1990

The Relationship Between School Integration and Student Attitude Toward Residential Racial Integration

David Allen Johnson

Portland State University

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THE RELATIONSHIP BETWEEN SCHOOL INTEGRATION AND

STUDENT ATTITUDE TOWARD

RESIDENTIAL RACIAL INTEGRATION

by

DAVID A. JOHNSON

A dissertation submitted in partial fulfillment of the
requirements for the degree of

DOCTOR OF PHILOSOPHY

in

URBAN STUDIES

Portland State University

1990
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ACKNOWLEDGEMENTS

Major life accomplishments involve more than individual effort. This dissertation is no exception. The completion of this project is the result of support and influence from a company of many. Of special mention is the Maurie Clark Fellowship. The Fellowship allowed me critical time away from work to complete this project. Such support is invaluable to an urban university where doctoral candidates have to balance work and academic demands.

On a personal level, my brother Bill set the academic standard, my mother set the expectation, and my rather encouraged me to go for it. My wife, Sue, deserves a chapter of acknowledgement for her support and assistance. She spent hours typing drafts and years giving me quiet support and encouragement. She was sensitive to the emotional burden of a project "in process" and her commitment to my work was as strong, if not stronger, than my own. Finally, I want to thank my father and mother-in-law, Milt and Janet, for being interested in my work. Their ability to vicariously share in the accomplishments of family is remarkable.

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in the area of school integration. That opportunity started me down a path that resulted in this study. Gerry Blake guided and encouraged me as I embarked upon and conducted the research for this dissertation. The other members of my dissertation committee: Dr. Toulan, Dr. Strathman, and Dr. Anderson, all made significant contributions to this study. Jim Strathman was particularly helpful with the statistical analysis. Dr. Toulan's critique of the premise and conclusion of earlier drafts enhanced the presentation of this research. Dr. Anderson was always there with helpful suggestions about how to strengthen the research design and analysis.

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In closing, I should also like to thank God for the opportunity to live and study in his creation.

David Allen Johnson
May 18, 1990
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</table>

Title: The Relationship Between School Integration and Student Attitude Toward Residential Racial Integration.

APPROVED BY THE MEMBERS OF THE DISSERTATION COMMITTEE:

Gerald F. Blake, Chair

James G. Strathman

Nohad A. Toulan

Barry F. Anderson

Darrell M. Milner

A generation has passed since the landmark, 1954, Supreme Court ruling in Brown V. Board of Education, Topeka, Kansas. As a result of this decision, school integration
became established as normative policy in school districts across the United States (Rist, 1979). However, after thirty-six years, the impact of school integration, particularly in the area of societal integration, remains unclear (Greeley, 1980; Hawley, 1983; Hochschild, 1984; Prager, et al., 1986). This dissertation examines the relationship between school integration experiences and attitudes towards residential racial integration.

High school seniors in the Portland Oregon Public School District comprised the data source for this study. A sample of 315 students were surveyed. School integration experience was measured in three ways: 1) classroom racial composition (CRC), 2) onset of school integration experiences (OSI), and 3) participation in racially integrated extracurricular activities (EA). Behavioral attitude toward residential racial integration (BA) was measured by responses to a hypothetical residential choice question. Potentially influential antecedent variables of race (RA), neighborhood racial composition (NRC), and parents' educational background (PEB), were also measured.

The results of a multiple regression analysis indicate the following model: \( BA = a + b_1 (RA) + b_2 (SCH) + b_3 (OSI) + b_4 (NRC) + b_5 (PEB) + e \). For this model \( R = .618 \) and \( R^2 = .382 \) (significant at .00 level). Of the three hypothesized school integration variables, only the onset of school integration experience demonstrated a significant, positive,
association with behavioral attitude toward residential racial integration. One un-hypothesized school integration variable, school racial composition (SCH), was negatively associated with BA. The higher the minority racial composition of the school, the lower the preference for a racially integrated neighborhood.

Two significant (.05 level) functional relationships were identified. The relationship between neighborhood racial composition and behavioral attitude toward residential racial integration was dependent on being in a school with a high Non-White composition. Also, the relationship between the onset of school integration experience and attitude toward residential racial integration was contingent on race. The relationship between OSI and BA was significant for Whites and insignificant for Non-Whites.

During the 1980s, Portland's School integration policy shifted from that of forcing interracial contact at the early grade levels to emphasizing voluntary integration. This shift in policy has resulted in increased racial isolation in some elementary schools. The present study indicates that a reduction in interracial contact at the early grade levels will weaken the relationship between school integration and positive attitudes toward societal integration in Portland, Oregon.
CHAPTER I

SCHOOL INTEGRATION AND SOCIETAL INTEGRATION

A generation has passed since the 1954 landmark Supreme Court ruling in Brown v. Board of Education, Topeka, Kansas. During the past thirty-five years, the effect of this decision has been visited upon many U.S. urban communities in the form of school desegregation. By 1976, the peak of the school integration movement, 615 public school districts were implementing racial integration plans and policies (Rist 1979). After thirty-five years the impact of school integration on societal integration, e.g., employment, leisure activity, and residential living, remains unclear (Greeley 1980; Hawley 1983; Hochschild 1984):

Thirty years after the Brown decision, in the wake of this flow and ebb of integrationist idealism, what are the contours of the American racial terrain? We have evidence to support claims ranging from "racism is as virulent and destructive as ever" to "race is no longer a useful category." (Hochschild 1984: 18)

This dissertation examines school integration in the context of public schooling's social change function. That is to say, is school integration related to differences in attitudes toward societal integration? More specifically, is there a relationship between school integration
experiences and attitudes toward residential racial integration? This question needs to be addressed in order to evaluate the social change function of school integration as it pertains to societal integration.

PUBLIC SCHOOLING AND SOCIAL CHANGE: CHANGING FUTURE GENERATIONS

Since its inception, public education has been viewed as a means to bring about social change. Katz (1971) notes that the mission of early public school movements was that of changing the intellectual and moral capabilities of poor children:

Established in 1805, the New York Free School Society stated its purpose as "extending the means of education to such poor children as do not belong to, or are not provided for by, any religious society." The society offered poor children training in the rudiments of literacy and in morality as it unabashedly tried "to counteract the disadvantages resulting from the situation of their parents." (Katz 1971: 7)

The contention that public education is a viable mechanism for bringing about social change remained strong throughout its development in this country. Thomas Jefferson believed that universal public education would "raise the mass of people to the high ground of moral responsibility," and Horace Mann advocated that public education would "eradicate ignorance and prejudice" (Hochschild 1984: xiii).
Today, public schools consume close to one-tenth of the U.S. gross national product (Hochschild 1984). Although the ability of public schools to bring about social change has come increasingly under attack, they are still looked upon as a means to effect positive social change in American society. Whether the goal is to reduce drug abuse, raise Black achievement, or to compete more effectively with the Japanese, public education is singled out as the primary means to achieve social outcomes. These social outcomes are the children or students who have gone through the public schooling experience and then exhibit the desired attitudes and behavior.

SCHOOL INTEGRATION AS A MEANS OF BRINGING ABOUT SOCIETAL INTEGRATION THROUGH CHANGING STUDENTS

No other event dramatizes more the extent to which public education has been used to bring about social change than the landmark Supreme Court decision in Brown v. Board of Education of Topeka, Kansas. In that case the court unanimously concluded that racial segregation in public school systems was unconstitutional because it denied Black children equal protection under the law by depriving them of equal educational opportunity:

We come then to the question presented: Does segregation of children in public school solely on the basis of race, even though the physical facilities and other tangible factors may be equal, deprive the children of the minority group
of equal educational opportunities? We believe that it does. (Brown v. Board of Education 1954: 483)

The Supreme Court's ruling in Brown v. Board of Education illuminated the role of public schools in determining social outcomes. By concluding that public schools were responsible for perpetuating unequal opportunity between Black and White children, the Court clearly implied that the same public schools could bring about equal opportunity through school integration. The Court thus made public schools the keystone of modern efforts to bring about racial equality.

As school integration policies became more prevalent in the 1960s, racial integration in public schools became viewed not only as a means to bring about equal educational opportunity for Blacks but also as a way to bring about an integrated society. This was vividly demonstrated by the conclusions of the Kerner Commission report on racial disorder in the sixties. After concluding that America was "moving toward two societies, one black, one white, separate and unequal," the commission cited school integration as a primary means of bringing about a more racially integrated society:

We support integration as the priority education strategy because it is essential to the future of American Society. We have seen in this last summer's disorders the consequences of racial isolation, at all levels, and of attitudes toward race, on both sides, produced by three centuries
of myth, ignorance and bias. It is indispensable that opportunities for interaction between the races be expanded. The problems of this society will not be solved unless and until our children are brought into a common encounter and are encouraged to forge a new and more viable design of life. (Report of the National Advisory Commission on Civil Disorders 1968: 438)

Thus, in addition to achieving equal educational opportunity, the policy of school integration became viewed as a means to reduce racial isolation "at all levels" of society. In order to accomplish this goal, school integration would have to affect the attitudes and behavior of students. This dissertation will examine the relationship between school integration experiences and student attitudes toward residential racial integration.

School Integration as a Means of Bringing About Long Term Residential Integration

There is a lack of research on the relationship between school integration and societal integration (Braddock 1985). Studies of school integration have primarily focused on student achievement and interracial conflict (Weinberg 1970; Mosteller and Moynihan 1972; St. John 1975; Crain, Manard, and Navot 1982). Consequently, the impact of school integration on housing integration is unclear (Orfield 1978).

The lack of research on the relationship between school desegregation and societal integration stems in large part
from a lack of clarity and consensus regarding the goal of societal racial integration:

If the integration ideology can be compared to a religion, school desegregation is the twentieth century equivalent of the Christian Crusades. Issues that were once clear are now hopelessly confused. (Bell 1980: viii)

Apart from the goal of equal educational opportunity, school integration policies lack consensus and clarity. This ambiguity has resulted in a wide variety of school integration plans and policies at the local level. Consequently, the relationship between school integration and societal integration, e.g., student attitudes toward residential racial integration, needs to be studied on a case by case basis in the context of local district policy.

School desegregation plans vary in many respects, e.g., racial composition of schools, voluntary versus mandatory school assignment, curriculum content, and racial composition of instructional staff (Johnson 1976). Perhaps the most distinguishing characteristic of any school integration plan is its voluntary/mandatory nature. This aspect of school integration can be measured in two ways. First, whether or not a school district is under court order to desegregate is a nominal measure of voluntary versus mandatory integration. Second, the extent to which a school integration plan requires students to attend racially mixed schools constitutes another measure of the
voluntary/mandatory nature of a given school integration plan.

In the case of Portland, Oregon, the site for this study, the Portland Public School District has a school integration plan which is, and has been, viewed as voluntary (U.S. Commission on Civil Rights, 1977). Portland has never been under court order to desegregate its schools. The Portland Public School District has refrained from the mandatory assignment of White students to racially mixed schools for the purpose of school integration. However, as described later in this chapter, non-White students have, on occasion, been mandatorily bused to schools outside their neighborhood area.

The goal of societal racial integration, i.e. housing integration, has been historically linked to the voluntary nature of Portland's school integration plans and policies. The call for school desegregation in Portland began in the early 1960s. During that time the National Association for the Advancement of Colored People (NAACP) was active in calling for Portland to integrate its public schools. NAACP efforts were reported in the Oregonian, October 22, 1962:

Earlier this year, two highly placed NAACP officials came from national headquarters to brief the local NAACP chapter on the drive for school integration in the northern states. Robert Carter, general counsel for The NAACP and Miss June Shagaloff, NAACP staff aide who works full time in northern school integration, suggested the following measures to obtain through school authorities a more even distribution of Negro children throughout the school system:
Where two adjacent school areas serve a Negro neighborhood and a white neighborhood, the two might be combined, with one building serving primary grades, the other the remainder of the elementary grades. Negro children might be transported by bus to schools with substantial white enrollment. New schools might be built on borders between Negro and White neighborhoods. (Oregonian 1962: 20)

In short, the NAACP was calling for the mandatory assignment of students to racially mixed schools and was thus advocating a mandatory school integration policy. In response to this proposal, the editorial board of the Oregonian urged caution. The newspaper expressed opposition to implementing the NAACP's school integration plan. In doing so the Oregonian emphasized that school integration should facilitate rather than "obstruct" housing integration:

The NAACP program may very well be just the thing for those northern cities in which school district policies discriminate against Negro children; but this is just not the case in Portland . . . .

The real danger, as we see it, is that if the NAACP persists in the assault it has launched on the school board, it will raise animosities that will obstruct progress in the solution of the basic issue of housing segregation. (Emphasis added) (Oregonian 1962: 20)

Thus, during the early stages of school integration policy evolution in Portland, there was a clear linkage to societal integration. The editorial board of the Oregonian felt that school desegregation should be carried out in a
manner that would foster rather than inhibit residential racial integration. The editorial board also felt that a mandatory policy would "raise animosities" between Whites and non-Whites.

In response to the call for school desegregation, the Portland School Board appointed a "Committee on Race and Education." This committee concluded that it was the job of the public schools to bring about an integrated society by "preparing all students for life in an integrated society". (Committee on Race and Education 1964: 194) The committee also specified that to accomplish this goal the "school system should create contacts among children of all races sufficient to accustom them one to another." However, the committee stopped short of recommending mandatory student school assignments to bring about this interracial contact:

In general the concept of the neighborhood school is sound and preferable to any other system which has been suggested for the organization of school student populations. Experience elsewhere has demonstrated that indiscriminate dispersal of children on a quota basis is questionable education policy as well as disruptive of school organization. However, opportunity for both Negro and White parents to transfer their children voluntarily from their neighborhood school to fill existing vacancies in other schools should produce favorable contact between children of different races or different backgrounds on an individual and personal basis. (Race and Equal Educational Opportunity in Portland's Public Schools 1964: 195-196)

From its inception, Portland's school integration policy has been voluntary. Based on the above
recommendations, Portland Public School District began a voluntary transfer program in 1964. Black families who wished to have their children bused to predominantly White schools outside their neighborhoods could do so provided there was space available at the receiving school. It was believed that this policy would "produce favorable contacts between children of different races." These favorable contacts would predispose students to live in an "integrated society."

In its early years, Portland's voluntary school integration policy was not widely publicized nor pursued. By 1968, only 600 students (less than 1 percent of the District's enrollment) were attending schools outside the students' immediate neighborhoods as a result of the school district's integration policy (Community Coalition for School Integration 1978: 43). While some schools in the Black community had become slightly less segregated, others had become noticeably more segregated (see Table I). As a result the relationship between this type of school desegregation approach and meaningful racial integration began to be questioned. The lack of clear progress toward school integration resulted in a public outcry for the school district to take stronger measures:

The Citizens' Committee for Better Schools believes that the time has come to embark on a vigorous public education program to acquaint the citizens of Portland with the existence of a large concentration of minority groups, particularly Negroes (sic), and a continuing trend toward
greater concentration. It is time Portland stated specific objectives for reducing racial imbalance and design program steps to accelerate movement toward desegregation. (The Citizens' Committee For Better Schools 1969: 1)

TABLE I

RACIAL SEGREGATION IN PORTLAND PUBLIC SCHOOLS: PERCENT BLACK ENROLLMENT IN SELECTED SCHOOLS

<table>
<thead>
<tr>
<th>School</th>
<th>1964</th>
<th>1968</th>
<th>Difference</th>
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<tbody>
<tr>
<td>Boise</td>
<td>96%</td>
<td>93%</td>
<td>-3%</td>
</tr>
<tr>
<td>Elliot</td>
<td>94%</td>
<td>92%</td>
<td>-2%</td>
</tr>
<tr>
<td>Humbolt</td>
<td>92%</td>
<td>94%</td>
<td>+2%</td>
</tr>
<tr>
<td>Irvington</td>
<td>48%</td>
<td>51%</td>
<td>+3%</td>
</tr>
<tr>
<td>King</td>
<td>87%</td>
<td>94%</td>
<td>+7%</td>
</tr>
<tr>
<td>Sabin</td>
<td>33%</td>
<td>53%</td>
<td>+20%</td>
</tr>
<tr>
<td>Woodlawn</td>
<td>27%</td>
<td>38%</td>
<td>+11%</td>
</tr>
<tr>
<td>AVERAGE</td>
<td>68%</td>
<td>74%</td>
<td>+5%</td>
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</tbody>
</table>


In response to public concern over the future of the Portland Public School system, including the persistence of racial segregation, the Portland School Board adopted a "Schools for the Seventies" plan in 1970. This plan supported the continuation of the voluntary school integration policy. However, two aspects of the new plan represented a significant change in the Portland Public School District's school integration approach. These aspects were the proposed creation of Early Childhood
Education centers in the Black community and a concerted effort to increase the number of Black students involved in the voluntary student transfer program.

The "Schools for the Seventies Plan" stipulated that all elementary schools in the Black community were to be converted to Early Childhood Education Centers (Portland Public Schools, 1978). These centers were to consist of pre-school to fourth grades. The schools were to have "exemplary" pre-school programs that would attract the attendance of children outside the Black community. Transportation would be provided to children residing outside the Black community.

The creation of Early Childhood Education Centers in the Black community resulted in the mandatory assignment of Black students in grades five to eight to schools outside the students' neighborhood. This constituted a shift in school integration policy from totally voluntary to partially mandatory. For the first time student school assignment would be restricted as part of an overall effort to bring about racial integration.

The "Schools for the Seventies Plan" also re-emphasized the District's existing voluntary desegregation policy. Part of this renewed emphasis involved putting pressure on Black families to assign their children to predominantly White schools outside the Black families' neighborhoods. Rist (1978) has documented that in the early 1970s, the
Portland Public School District hired a number of persons to go into the Black community and recruit Black children to be bused outside their neighborhood. Some of the "recruiters" reportedly told Black parents there was no longer room in neighborhood schools for their children. These recruiters generally extolled the benefits of attending schools outside the Black community.

In spite of these two policy changes, the Portland Public School District still maintained it had a "voluntary" school integration plan. Moreover, the district was viewed by the federal government as having a "voluntary" school integration policy: "The desegregation process in Portland, Oregon, is and has been voluntary" (U.S. Commission on Civil Rights, 1977). Portland continued its policy of avoiding the mandatory participation of Whites. This conformed to its policy of bringing about racial integration without "disrupting" (White) neighborhood schools and in a manner that would create "favorable contact" between races.

By 1980 the policy changes described above had achieved significant results. Racial segregation in predominantly Black schools had been reduced an average of 24 percent (see Table II). In one school the Black enrollment had gone from 92 percent in 1968 to 39 percent in 1980, a 53 percent decline!
TABLE II

RACIAL SEGREGATION IN PORTLAND PUBLIC SCHOOLS:
PERCENT BLACK ENROLLMENT IN SELECTED SCHOOLS

<table>
<thead>
<tr>
<th>School</th>
<th>1968</th>
<th>1980</th>
<th>Difference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boise*</td>
<td>93%</td>
<td>57%</td>
<td>-36%</td>
</tr>
<tr>
<td>Elliot</td>
<td>92%</td>
<td>39%</td>
<td>-53%</td>
</tr>
<tr>
<td>Humbolt</td>
<td>94%</td>
<td>57%</td>
<td>-37%</td>
</tr>
<tr>
<td>Irvington*</td>
<td>51%</td>
<td>38%</td>
<td>-13%</td>
</tr>
<tr>
<td>King</td>
<td>94%</td>
<td>59%</td>
<td>-35%</td>
</tr>
<tr>
<td>Sabin</td>
<td>53%</td>
<td>49%</td>
<td>-4%</td>
</tr>
<tr>
<td>Woodlawn</td>
<td>38%</td>
<td>46%</td>
<td>+8%</td>
</tr>
<tr>
<td>AVERAGE</td>
<td>74%</td>
<td>49%</td>
<td>-24%</td>
</tr>
</tbody>
</table>


*Non-Early Childhood Education Centers.

Progress toward racial desegregation, however, had "disrupted" neighborhoods in the Black community. The loss of fifth through eighth grade elementary school options and the heavy recruitment of Black students to attend schools outside the Black community resulted in the scattering of Black students throughout the school district. For example, Black students in the King School neighborhood were bused to 39 different schools within the Portland School District (Community Coalition For School Integration 1978). In some cases, these students were bused over 20 miles a day (see Table III).
TABLE III

ASSIGNMENT OF BLACK STUDENTS TO SCHOOLS OUTSIDE BLACK NEIGHBORHOODS BY SCHOOL NEIGHBORHOOD AREA

<table>
<thead>
<tr>
<th>Neighborhood</th>
<th>No. of Students Assigned to Other Schools</th>
<th>No. of Other Schools</th>
<th>Distance Traveled (Round-Trip)</th>
</tr>
</thead>
<tbody>
<tr>
<td>King</td>
<td>451</td>
<td>39</td>
<td>4.2-21.4 miles</td>
</tr>
<tr>
<td>Sabin</td>
<td>179</td>
<td>16</td>
<td>2.6-22 miles</td>
</tr>
<tr>
<td>Boise</td>
<td>154</td>
<td>22</td>
<td>4.8-18.2 miles</td>
</tr>
<tr>
<td>Elliot</td>
<td>44</td>
<td>20</td>
<td>4.2-19.4 miles</td>
</tr>
<tr>
<td>Woodlawn</td>
<td>238</td>
<td>21</td>
<td>4.6-23.4 miles</td>
</tr>
<tr>
<td>Humboldt</td>
<td>276</td>
<td>25</td>
<td>7.2-21.6 miles</td>
</tr>
</tbody>
</table>


The experience at the end of the bus ride for Black students transported out of their neighborhoods was often negative. The students and staff at the predominantly White schools to which the Black students were bused were insensitive to their unique cultural backgrounds. In short, their presence was largely ignored. Little or no effort was made to change instruction or curriculum to accommodate them. Furthermore, no effort was made to counteract the negative effects of being removed from one's neighborhood environment and, therefore, being subject to isolation both
at home and at the receiving school (Johnson, 1976; Rist, 1978).

Concern over the mandatory busing of Black students outside their neighborhood and community resulted in the formation of a Community Coalition For School Integration in the fall of 1977. This Coalition was a broad-based group consisting of representatives from 38 civic groups, e.g. NAACP, Portland Chamber of Commerce, and the National Conference of Christians and Jews. After a year of study the Coalition found the Portland Public School District's implementation of its school integration policy discriminatory:

The mandatory elimination of grade levels in all of the elementary schools (in the Black Community), except Boise, has not been carried out in any other community in the District. Students leaving the Black Community for the purpose of school desegregation have been scattered and isolated throughout the whole School District. For example, the 44 students having to leave the Elliot neighborhood in 1977 were bused to 28 different schools throughout the District. (Community Coalition For School Integration 1978: 61)

This finding, among others, lead the Community Coalition to recommend a "school pairing plan" as a better, more equitable way of implementing the District's school integration policy:

The School District should use school pairing as the major means to accomplish desegregation/integration. The District should pair each of the seven predominantly Minority schools in the District with one or two predominantly White schools in a manner that will
comply with state guidelines on racial balance. (Community Coalition For School Integration 1978: 87)

In essence, the Coalition was recommending that the Portland Public School District adopt a "mandatory" school integration policy. School pairing constitutes mandatory school integration in that both White and non-White students are mandated to attend assigned schools for desegregation purposes. Such a shift in policy met strong resistance from the Superintendent and the School Board.

In response to the Community Coalition's recommendations, the District Superintendent claimed that the Portland Public School District's voluntary school integration policy had "helped stabilize neighborhoods" and avoided "middle class flight from the city" (Portland Public Schools, 1978: 3). The District Superintendent also stated that "housing, not education, is the ultimate key to the racial integration of urban society" and that the "compulsory two-way transportation" recommendation of the Coalition would "accelerate" middle-class flight from the city (Portland Public Schools 1978: 20, 31).

The Portland School Board went on to reject the Community Coalition's school pairing plan, i.e., mandatory integration policy. In so doing, it reaffirmed its long-standing position of pursuing a "voluntary" school integration policy that would continue to "stabilize neighborhoods" and contribute to the ultimate solution or
"key" of housing integration.

In the aftermath of the School Board's rejection of the Coalition's mandatory, two-way, student assignment recommendation, a Black United Front Organization emerged. The Black United Front consisted mainly of organizations and neighborhood groups in the Black Community, many of whom had been members of the Community Coalition For School Integration. The Black United Front became primarily concerned with restoring elementary and middle school (grades four through eight) options within the Black community:

After fifteen years of transferring Black children to schools outside of their neighborhood, we find no academic or psychological reason for continuing this process. (Black United Front 1989)

The Black United Front was successful in getting the Portland School Board to establish a middle school (grades six through eight) in the Black community and to discontinue its practice of recruiting Black children for transfer to predominantly White schools outside the Black community. These changes were incorporated in a new Portland Public School District school integration plan adopted in 1980. This new plan underscored the voluntary nature of Portland's school integration policy:

The Desegregation Plan seeks to achieve its goals by encouraging Portland families to voluntarily choose integrated schools, either through their choices of residential neighborhoods
or through attendance at schools in other neighborhoods. Its twin features are (1) availability of quality education in an assigned school for all children; (2) well developed, attractive special programs in some schools. (Portland Public Schools 1988: 8)

In summary, from its beginning school integration policy in Portland has, with the exception of the mandatory busing of Black students, been voluntary in nature. In accordance with the tradition of using public schooling as a means of social change, Portland's school integration policy has also been viewed as having to contribute to the ultimate goal of societal integration, i.e., housing or residential integration. This was to be accomplished by bringing about "favorable contact" between races. It was felt that a school integration policy that was voluntary, at least for white students, would foster positive interracial contact in schools and create positive attitudes that would function as a precursor to residential racial integration.

This dissertation will examine the extent to which school integration experience is positively related to student attitudes toward residential racial integration.
CHAPTER II

REVIEW OF THE LITERATURE ON THE RELATIONSHIP
BETWEEN SCHOOL INTEGRATION
AND RESIDENTIAL RACIAL INTEGRATION

As explained in the first chapter, it has been thought that racial integration in the public schools would lead to a greater level of societal integration. This was to occur as the result of students acquiring positive interracial attitudes through their school integration experiences. In the case of Portland, Oregon residential racial integration was cited as a long-term objective of interracial contact in the schools. School integration policy and plans have now been in effect long enough to permit an examination of their relation to residential racial integration attitudes.

RESIDENTIAL INTEGRATION TRENDS

An examination of census data on racial composition of residential areas in the United States show that there has been little or no movement toward increased residential racial integration in recent years. Using an index of dissimilarity, i.e. the percentage of Blacks or Whites that would have to move in order for each census tract to have the same racial composition as the entire SMSA, Van Valey (1977) found that, for the 144 U.S. SMSAs for which
comparable data were available in both the 1960 and the 1970 census, there was no significant change in residential racial integration. Van Valey's results were supported by Schnare's (1980) analysis of the same data. Using the proportion of Whites present in the average Black's census tract, Schnare concluded that the average Black experienced an increase in segregation, i.e., 30 percent White census track composition versus 33 percent composition, between 1960 and 1970.


An examination of census data for the city of Portland, Oregon, indicates a slight decrease in the level of residential segregation between 1970 and 1980. Selected census tracks with high Black composition show an average decline of three percent in Black population between 1970 and 1980 (see Table IV).
### TABLE IV

**BLACK RESIDENTIAL SEGREGATION**

**COMPARISON OF CENSUS TRACKS**

**1970 - 1980**

<table>
<thead>
<tr>
<th>Census Track</th>
<th>1970</th>
<th>1980</th>
<th>Loss/Gain</th>
</tr>
</thead>
<tbody>
<tr>
<td>0022.01</td>
<td>58%</td>
<td>35%</td>
<td>-15%</td>
</tr>
<tr>
<td>0022.02</td>
<td>54%</td>
<td>43%</td>
<td>-11%</td>
</tr>
<tr>
<td>0023.01</td>
<td>77%</td>
<td>62%</td>
<td>-15%</td>
</tr>
<tr>
<td>0023.02</td>
<td>45%</td>
<td>28%</td>
<td>-17%</td>
</tr>
<tr>
<td>0024.01</td>
<td>43%</td>
<td>38%</td>
<td>-5%</td>
</tr>
<tr>
<td>0032</td>
<td>22%</td>
<td>37%</td>
<td>+15%</td>
</tr>
<tr>
<td>0033.01</td>
<td>61%</td>
<td>63%</td>
<td>+2%</td>
</tr>
<tr>
<td>0033.02</td>
<td>62%</td>
<td>64%</td>
<td>+2%</td>
</tr>
<tr>
<td>0034.01</td>
<td>65%</td>
<td>69%</td>
<td>+4%</td>
</tr>
<tr>
<td>0034.02</td>
<td>84%</td>
<td>73%</td>
<td>-11%</td>
</tr>
<tr>
<td>0036.01</td>
<td>36%</td>
<td>49%</td>
<td>+13%</td>
</tr>
</tbody>
</table>

**MEAN = 54%**

**MEAN = 51%**

**MEAN = -3%**

*Source: 1970 and 1980 U.S. Census*

The finding that residential racial segregation has continued during the initial fifteen years of school integration is not inconsistent with the public schooling as social change perspective. In order to impact residential segregation, school integration would first have to change the interracial attitudes of students. These students would then have to actualize these positive interracial attitudes.
in their residential choice behavior. Such an impact would evidence itself in the long-term, i.e. after students leave public schools and are in a position to exhibit residential choice behavior.

SCHOOL INTEGRATION AND RESIDENTIAL INTEGRATION

Although there is some evidence of slight reductions in residential racial segregation, the dominant pattern of residential racial segregation has persisted during the initial period of school integration policy, i.e., 1960 to 1980. Where slight reductions in residential segregation have occurred, school integration has been cited as a contributing factor:

Although the research on the school-busing relationship is weak, there is some data suggesting that the achievement of broad and stable school integration may foster housing integration . . . . A number of districts with broadly based school desegregation plans appear to be experiencing gains in residential integration. Sacramento, California, one of the earliest cities to desegregate has had a major decline in residential segregation. A study of Riverside, California, which desegregated in the mid-60s, reports a number of families moving to the attendance zone of the school to which their child was bused. In Evanston, Illinois, one school where black children were bused in has now become naturally integrated. Berkeley has stabilized enrollment and residential patterns for a decade though the schools had about half minority children. (Orfield 1978: 118-119)

Orfield (1978) fails to develop more than a circumstantial relationship between residential racial integration
and school desegregation. The examples of increased residential integration cited could be attributed to other factors besides school integration, e.g., re-gentrification. In a survey of persons residing in integrated neighborhoods, Bradburn, Sudman, and Gockel (1970) found that other factors such as convenience of work, features of the dwelling, and financial consideration were more important than schools in determining residential choice.

In an attempt to develop a direct relationship between school integration and residential integration, Pearce (1981) examined the behavior of real estate agents in school districts engaged in school integration. Seven pairs of school districts were matched in terms of size, region of the country, and minority racial composition. Pearce found that schools were mentioned as an important location factor more often by real estate agents in school districts not involved in desegregation. On the basis of this finding, Pearce concluded that school integration is positively related to residential integration in that real estate agents are less likely to steer customers to racially segregated neighborhoods in desegregated school districts. In support of Pearce's conclusion, Hawley (1983) maintains that school integration makes it impossible for White families to choose to live in neighborhoods with segregated schools; therefore, it reduces their propensity to reside in racially segregated neighborhoods.
The research cited above fails to confirm adequately a direct relationship between school integration and residential integration. Rather, the evidence presented merely suggests a relationship may exist. Furthermore, these findings fail to establish a relationship between the school integration experience and residential choice behavior. The first step in establishing such a relationship is to ascertain whether there is a relationship between school integration experience and attitudes toward living in an integrated neighborhood. Subsequently, an analysis could be made to determine the relative importance of these attitudes in residential choice behavior. This dissertation will focus on the first step. Ultimately, a relationship between school integration and residential integration will be substantiated or negated by the residential choice attitudes of students who have experienced school integration.

There is little research on the relationship between school integration and student attitudes toward residential choice. The most often cited study in this area was conducted by the National Opinion Research Center (NORC) in the 1960s (U.S. Commission on Civil Rights 1967). The source of data for this study was interviews with 1,624 Black adults from the metropolitan North and a national sample of 978 White adults. The results of the NORC study indicated that Blacks who attended integrated schools in the
North were more willing to move into predominantly White neighborhoods and Whites who attended integrated schools were more accepting of Blacks living in their neighborhood blocks (U.S. Commission on Civil Rights, 1967).

The NORC study failed in two ways to establish a clear relationship between school integration and attitudes toward residential integration. First, the school integration experience was not adequately measured. Nominal data on whether or not someone reports attending an integrated school lacks sufficient precision to substantiate a relationship. The NORC study failed to measure the amount or extent of interracial contact. Consequently, it is impossible to conclude that interracial contact in a school integration setting is directly related to the greater propensity toward residential racial integration among Blacks and Whites.

Second, the question on residential integration for Whites focused upon whether or not it would make any difference if a Black moved into their neighborhood, i.e., "If a Negro moved into your block, would it make any difference to you?" Responses to this question did not indicate the extent to which Whites were willing to locate in an integrated neighborhood. Rather, these responses yielded only nominal data on White tolerance for an in-migration of one Black into their neighborhood. As such, the NORC study failed to measure behavioral attitude toward
MEASURING THE SCHOOL INTEGRATION EXPERIENCE

School integration is a complex phenomenon that can be measured in many ways (Johnson 1976; Hawley, Russell, and Crain 1983). For example, the amount of interracial contact, grade level at which the school integration begins, and extent of participation in racially integrated extracurricular activities constitute different measures of the school integration experience. Moreover, these various aspects of school integration experience lend themselves to ordinal or interval measurement. Such measurement should provide better data on the relationship between school integration and student attitudes toward residential racial integration.

The literature suggests that certain aspects of school integration are salient in terms of its relationship to student attitudes toward housing integration. These factors are described below along with their hypothesized relationship to racial residential integration attitudes.

Amount of Interracial Contact and Attitudes Toward Residential Integration

It has long been held that interracial or majority-minority group contact is a necessary prerequisite to improved relations between races (Myrdal 1944; Allport 1954). It has also been held that the nature of contact is
important. Interracial contact under some circumstances, e.g., unequal status contact where the Black person is in an inferior role such as maid or laborer and the White person is in a superior role such as banker or lawyer, can reinforce racial stereotypes and thereby not improve interracial understanding or acceptance. Interracial contact of a positive nature, e.g. working on a team, may lessen racial stereotypes and consequently improve interracial understanding and acceptance.

Allport (1954) listed three conditions under which interracial contact would lessen stereotypes and improve race relations. The first is that the contact should occur in a setting in which the majority and minority groups have equal status. The second is that the contact should occur in an ordinary, purposeful pursuit. The third condition is that the interracial contact have institution and community sanction.

All three of Allport's conditions for positive interracial contact are potentially present in the school integration experience. Whites and Non-Whites are equal in their status as students; public school is an ordinary, purposeful pursuit; school integration has institutional (school district) and community (lawful) sanction. Consequently, based on Allport's theory, interracial contact occurring in an integrated school should reduce racial prejudice and improve race relations. Moreover, the amount
of interracial contact in a school integration setting should be positively related to attitudes toward residential racial integration.

The Onset of the School Integration Experience and Attitudes Toward Residential Integration.

Allport (1954) also found that the age at which a person is exposed to racial integration was important in determining whether or not an individual would have a positive attitude toward racial integration:

These findings clearly support the American studies we have reported, and make us feel doubly sure that early training is an important agent in slanting a child toward tolerance toward other groups. (Allport 1954: 428)

Allport's contention about the importance of early age exposure to racial integration in determining one's racial attitudes has been substantiated by a number of studies (St. John 1975; Goldstein et al. 1979; Hawley et al. 1983). The research of Allport and others leads to the hypothesis that early-age school integration experience, i.e. onset of contact, should be positively related to attitudes toward residential racial integration.

Participation in Integrated Extracurricular Activities and Attitudes Toward Residential Integration.

In his seminal work on the economic and social position of Blacks in American society, Gunner Myrdal (1944) theorized that cooperation and fellowship between Blacks and Whites would foster mutual acceptance and attraction:

Our general hypothesis is that everything which brings Negro and White workers to experience
intimate cooperation and fellowship will on the balance, breakdown race prejudice somewhat and raise Negro status. (Myrdal 1944: 654)

One measure of cooperation and fellowship in the public school system is involvement in extracurricular activities, e.g., athletic teams and school clubs. In a study of 200 racially integrated Southern high schools, Crain (1981) found a relationship between involvement in racially integrated extracurricular activities and positive interracial relations. Black and White students from "high (extracurricular) participation schools," i.e., schools in which four-fifths of the student body said they participated in extracurricular activities, more frequently had opposite race friends than students from "low (extracurricular) participation schools."

The above research suggests that participation in racially integrated extracurricular activities should be positively related to attitudes toward residential racial integration.

The Relationship Between School Integration and Attitudes Toward Residential Racial Integration: Consideration of Antecedent Variables.

In examining the relationship between school integration and student attitudes toward residential integration, it is important to take into account other influential factors independent of the school integration experience. This has been referred to as the process of "elaboration" by Rosenberg (1968).
There are a number of factors that are antecedent to the school integration experience which may influence the relationship between school integration and student attitudes toward residential integration. Race, family educational background, and neighborhood background are all characteristics the student brings to the school experience. These variables have been identified as having the potential to influence interracial attitudes significantly.

After reviewing 41 studies on the effects of school-age interracial contact on racial prejudice, St. John (1975) concluded that the results were inconsistent and in some cases differential for Blacks and Whites. "Sometimes desegregation is reported to have ameliorated the prejudice of whites but intensified that of blacks, sometimes the reverse" (St. John 1975: 67-68). Furthermore, St. John was unable to account for the differential results she found. Her general finding, however, suggests that school integration may have different outcomes depending on one's race. Consequently, race needs to be treated as a potentially significant antecedent variable when considering the relationship between school integration experience and student attitudes toward residential integration.

Another important factor which has long been considered important in determining one's attitude toward other races is educational background (Allport 1954). The more educated one is, the more accepting and less prejudiced one should be
toward other racial groups. This lends to the conjecture that students from families in which the parents are more highly educated may be predisposed to positive attitudes toward residential integration, irrespective of the students' school integration experience. The reverse may apply for students who have parents with poor educational background. Therefore, family educational background should be recognized as a potentially significant antecedent variable influencing the relationship between school integration experience and student attitudes toward residential integration.

A student's neighborhood environment may also influence or shape his/her racial attitudes prior to and independent of school experience. In a review of the literature on racial attitudes among Blacks and Whites, Darden and Parsen (1981) conclude that in order to understand interracial attitudes, one must take into account neighborhood racial composition. Consequently, neighborhood racial composition may have a significant impact on the relationship between school integration experience and student attitudes toward residential integration.

Ability grouping or educational tracking, one of the most common educational practices in American public schools (National Education Association 1968; Esposito 1973), may also influence the school integration experience. Ability grouping is the differentiation and instructional group
assignment of students based on their perceived aptitudes and potential. Ability grouping begins as early as the first grade with assignment to a particular reading group level and continues on through high school with placement of students into college and non-college curriculum tracks.

The prevalence of educational tracking has been cited as a significant factor in understanding the relationship between school integration and student racial attitudes (Simmons and Brady 1981). If, on the average, fewer minority students are assigned to the college track group in a particular high school, interracial contact for college track students would be minimized. On the other hand, interracial contact among non-college track students would be maximized.

Educational tracking, however, is important only to the extent that interracial contact is important. Consequently, it must first be established that the "amount" of interracial contact is significantly related to student attitudes toward residential integration. If this is the case, only then does educational tracking take on any significance as an intervening variable in the relationship between school integration and student attitudes toward housing integration.

In summary, there appears to have been little or no reduction in residential racial segregation during the initial period of school integration policy, i.e. 1965-1980.
This would be expected given the focus of social change, students. Students affected by school integration experiences would, for the most part, not have entered the housing market prior to 1980. In order to determine the impact of school integration on residential integration in the long-run, the relationship between school integration experiences and attitudes toward residential integration must first be explored.

In order to examine the relationship between school integration and student attitudes toward residential integration, school integration must be measured in a manner consistent with its complex nature. Three important ways in which school integration plans vary are the amount of interracial contact, the onset of interracial contact, and participation in integrated extracurricular activities. The relationship between school integration and attitudes toward residential integration must also be considered in the context of characteristics which the student brings to the integration experience. These characteristics include race, parents' educational background, and neighborhood racial composition. Finally, to the extent that the amount of interracial contact is important, educational tracking may be an important intervening variable influencing the relationship between school integration and student attitudes toward residential racial integration.
CHAPTER III

RESEARCH SETTING AND METHODOLOGY

Given the focus of this study, student attitudes toward residential racial integration, survey research was employed. Survey research allows the collection of information from many students in a manner that is feasible and acceptable within the confines of the public education system. It also provides a vehicle for gathering information on student integration experiences.

Survey research also lends itself to statistical analyses appropriate to the question at hand. Students' attitudes and experiences can be recorded in a manner that translates into interval measurement. Interval measures can, in turn, be used to determine the relationship between school integration and student attitudes toward residential integration. Such data can be analyzed by using various correlation and regression techniques.

RESEARCH SETTING

Portland, Oregon, was selected as the site for this study because its urban school district exhibits a large variation of school integration experiences. Non-White enrollment ranges from two percent to 90 percent among the
district's schools (Portland Public Schools, 1986). This led to an expectation that student experience would vary widely with regard to the amount of interracial contact and participation in integrated extracurricular activities.

As mentioned in Chapter One, a major feature of the Portland Public School District's integration policy has been the creation of Early Childhood Education Centers in the Black community. Students attending these centers experience school integration as early as the pre-kindergarten level. Given the large variations in non-White enrollment, students not attending Early Childhood Education Centers might not experience integration until much later in their public school careers. Thus, it was anticipated that students attending the Portland Public Schools would vary considerably in the onset of their school integration experience.

The racial composition of the Portland Public Schools is most comparable to moderate sized mid-western urban areas such as Omaha and Minneapolis. In general, the Portland Public Schools contain fewer non-White and Blacks than other U.S. cities (see Table V).
TABLE V

RACIAL COMPOSITION OF PORTLAND PUBLIC SCHOOLS

<table>
<thead>
<tr>
<th></th>
<th>Portland Public Schools</th>
<th>National SMSA Central Cities</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>73%</td>
<td>65%</td>
</tr>
<tr>
<td>Non-White</td>
<td>27%</td>
<td>35%</td>
</tr>
<tr>
<td>Black</td>
<td>15%</td>
<td>26%</td>
</tr>
<tr>
<td>Indian</td>
<td>2%</td>
<td>1%</td>
</tr>
<tr>
<td>Asian</td>
<td>8%</td>
<td>3%</td>
</tr>
<tr>
<td>Spanish Origin*</td>
<td>2%</td>
<td>12%</td>
</tr>
</tbody>
</table>

*Persons of Spanish origin may also be counted as a member of any other race.

The difference in minority composition, however, is not extreme (27 percent non-White versus 35 percent non-White), and Blacks are the largest non-White population group for Portland Public Schools as well as U.S. SMSA Central Cities, comprising 15 percent and 26 percent of the total population respectively. The Portland Public School Districts differs from that of other SMSA Central Cities in that Asians, not
Hispanics, are the second largest Non-White group.

The major theoretical models of majority/minority race relations are not specific to race (Allport, 1954). Consequently, differences in racial composition between the Portland Public Schools and other U.S. urban areas are not relevant to the theoretical hypotheses under consideration. That is to say, the amount, onset, and nature of majority/minority contact are thought to affect majority/minority race relations regardless of which race(s) constitute the minority or majority groups.

SURVEY INSTRUMENT: VARIABLES AND MEASURES

A survey instrument was constructed to measure school integration experiences, attitude toward residential racial integration, and the potentially influential antecedent variables identified in Chapter Two (See complete survey instrument in Appendix A). The survey instrument was constructed to include the following measurement scales.

Classroom Racial Composition Scale (CRC):

<table>
<thead>
<tr>
<th>White Student Response</th>
<th>Score</th>
<th>Non-White Student Response</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>100% White</td>
<td>1</td>
<td>100% Non-White</td>
<td>1</td>
</tr>
<tr>
<td>90% White</td>
<td>2</td>
<td>90% Non-White</td>
<td>2</td>
</tr>
<tr>
<td>80% White</td>
<td>3</td>
<td>80% Non-White</td>
<td>3</td>
</tr>
<tr>
<td>70% White</td>
<td>4</td>
<td>70% Non-White</td>
<td>4</td>
</tr>
<tr>
<td>60% White</td>
<td>5</td>
<td>60% Non-White</td>
<td>5</td>
</tr>
</tbody>
</table>
50% White 6
40% White 7
30% White 8
20% White 9
10% White 10
50% Non-White 6
40% Non-White 7
30% Non-White 8
20% Non-White 9
10% Non-White 10

This scale was designed to measure responses to the question, "On the average, the racial composition of the classrooms I attended was . . ." The scale assigns increasing values to the presence of the other group, i.e., White or non-White members present in the classroom. The range of racial composition averages used in the survey was based on two considerations. The first consideration was that the actual racial composition in the Portland School District ranged from two percent non-White to 90 percent non-White enrollment. The second consideration was to provide enough possible response options (ten) for students to approximate their perceived experiences.

The rationale for this scale is based on probability of interracial contact. It is assumed that the greater the proportion of other groups (White or Non-White) present in the classroom, the more likely interracial contact will occur. As described in Chapter II, values obtained by this measurement should be positively related to attitudes toward residential racial integration.
Onset of School Integration Experience Scale (OSI):

<table>
<thead>
<tr>
<th>Response</th>
<th>Score</th>
<th>Response</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-kindergarten</td>
<td>14</td>
<td>6th grade</td>
<td>7</td>
</tr>
<tr>
<td>Kindergarten</td>
<td>13</td>
<td>7th grade</td>
<td>6</td>
</tr>
<tr>
<td>1st grade</td>
<td>12</td>
<td>8th grade</td>
<td>5</td>
</tr>
<tr>
<td>2nd grade</td>
<td>11</td>
<td>9th grade</td>
<td>4</td>
</tr>
<tr>
<td>3rd grade</td>
<td>10</td>
<td>10th grade</td>
<td>3</td>
</tr>
<tr>
<td>4th grade</td>
<td>9</td>
<td>11th grade</td>
<td>2</td>
</tr>
<tr>
<td>5th grade</td>
<td>8</td>
<td>12th grade</td>
<td>1</td>
</tr>
</tbody>
</table>

Responses to the question, "I attended classrooms with both non-White and White students in the following grades ..." were converted into the above scale. This scale assigns decreasing values as the grade level of initial interracial contact increases. The range of responses begins at the pre-kindergarten level because of the existence of Early Childhood Education Centers in the Portland School District. These schools start at the pre-kindergarten level. As explained in Chapter II, measures recorded by this scale should be positively related to student attitudes toward residential racial integration.

Involvement In Integrated Extracurricular Activities Scale (EA):

<table>
<thead>
<tr>
<th>Response</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>One activity</td>
<td>1</td>
</tr>
<tr>
<td>Two activities</td>
<td>2</td>
</tr>
<tr>
<td>Three activities</td>
<td>3</td>
</tr>
</tbody>
</table>
This scale measures the extent of participation in integrated extracurricular activities as derived from responses to the question, "I participated in extracurricular school activities with both non-White and White students. If yes, list the extracurricular activities." This scale is based on the assumption that the more integrated extracurricular activities in which a student engages, the more likely he/she will have experienced positive interracial cooperation and teamwork. Thus, obtained values from this measurement should be positively related to attitudes toward residential racial integration.

Behavioral Attitude Scale (BA):

As discussed in Chapter II, a direct link between school integration experience and attitude toward residential racial integration has yet to be established. Attitudes are generally thought to have three components: affective, cognitive, and behavioral (Secord and Backman, 1964). How a person "feels" about something is referred to as affective attitude. A person's "thoughts" and "beliefs" are called cognitive attitude. An individual's predisposition to act is designated as his/her behavioral attitude. Since the focus of this study is on a student's
predisposition to reside in a racially integrated neighborhood, the latter attitudinal component was chosen for measurement.

The literature indicates that attitudes are related to behavior when they are measured in a manner that reveals a clear behavioral referent (Ajzen and Fishbein, 1977). Consequently, attitude toward racial residential integration needs to be measured in a manner that reflects a clear behavioral choice. For example, an individual may "feel" or "think" positively about residential racial integration but choose not to live in a racially integrated neighborhood. It is therefore important that a survey question regarding attitude toward residential racial integration have a behavioral context, e.g., "I would live in a racially integrated neighborhood block." In light of this reasoning, student attitude toward residential racial integration was measured by responses to the following question: "Assuming I could live anywhere I wanted to, I would live in a neighborhood block that is 100% White to 100% non-White." Responses were converted into the following scale.

<table>
<thead>
<tr>
<th>White Student Response</th>
<th>Score</th>
<th>Non-White Student Response</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>100% White</td>
<td>1</td>
<td>100% Non-White</td>
<td>1</td>
</tr>
<tr>
<td>90% White</td>
<td>2</td>
<td>90% Non-White</td>
<td>2</td>
</tr>
<tr>
<td>80% White</td>
<td>3</td>
<td>80% Non-White</td>
<td>3</td>
</tr>
<tr>
<td>70% White</td>
<td>4</td>
<td>70% Non-White</td>
<td>4</td>
</tr>
</tbody>
</table>
The above scale is based on assigning increasing values in relation to the increasing proportion of the other group present in the neighborhood-block choice. Thus, this scale measures the extent to which the respondent would locate in a neighborhood that has members of another race, i.e., it measures behavioral attitude.

Antecedent Variables: Race (RA), Parents' Educational Background (PEB), and Neighborhood Racial Composition (NRC).

As mentioned in the previous chapter, the relationship between school integration and attitude toward residential integration needs to be examined in the context of potentially influential, antecedent variables. Such variables include race, family educational background, and neighborhood racial composition.

The race variable was measured by student responses to a question asking students if they were White or non-White. The White/non-White dichotomy was used to conform to the theoretical literature on majority/minority race relations (Allport, 1954). In this case "White" constitutes the
majority race, and "Non-White" constitutes the minority races. As described earlier, Blacks comprise the largest proportion of the Portland Public School's non-White population. The White/non-White classification was also used because Portland Public School research staff indicated they received more reliable survey information when using this racial classification than when they attempted to have students list their unique racial background.

As described in the previous chapter, educational background has been found to be related to interracial attitudes (Allport 1954). Higher education is thought to lead to increased interracial tolerance and acceptance. Thus students from highly educated families may be predisposed to have a positive attitude toward residential integration of their school integration experience. Likewise, students from less educated families may be predisposed to have negative or neutral attitudes toward residential racial mixing. In order to account for this variable in the analysis, students were asked whether or not their parents or parent graduated from college. Those answering "yes" were classified as having high educational background. Those answering "no" were designated as having low educational background.

Next to school and family, children spend most of their time in their neighborhood environment. They also experience their neighborhood before they experience school.
As pointed out in the last chapter, neighborhood racial composition has been found to be related to interracial attitudes (Darden and Parsen, 1981). Interracial contact in the "equal status" context of one's neighborhood environment may foster positive interracial attitudes prior to and independent of school integration experience. Neighborhood racial composition was measured by the same scale used to measure classroom racial composition and behavioral attitude toward residential racial integration:

<table>
<thead>
<tr>
<th>White Student Response</th>
<th>Score</th>
<th>Non-White Student Response</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>100% White</td>
<td>1</td>
<td>100% Non-White</td>
<td>1</td>
</tr>
<tr>
<td>90% White</td>
<td>2</td>
<td>90% Non-White</td>
<td>2</td>
</tr>
<tr>
<td>80% White</td>
<td>3</td>
<td>80% Non-White</td>
<td>3</td>
</tr>
<tr>
<td>70% White</td>
<td>4</td>
<td>70% Non-White</td>
<td>4</td>
</tr>
<tr>
<td>60% White</td>
<td>5</td>
<td>60% Non-White</td>
<td>5</td>
</tr>
<tr>
<td>50% White</td>
<td>6</td>
<td>50% Non-White</td>
<td>6</td>
</tr>
<tr>
<td>40% White</td>
<td>7</td>
<td>40% Non-White</td>
<td>7</td>
</tr>
<tr>
<td>30% White</td>
<td>8</td>
<td>30% Non-White</td>
<td>8</td>
</tr>
<tr>
<td>20% White</td>
<td>9</td>
<td>20% Non-White</td>
<td>9</td>
</tr>
<tr>
<td>10% White</td>
<td>10</td>
<td>10% Non-White</td>
<td>10</td>
</tr>
</tbody>
</table>

As with previous scales, this one assigns increasing values commensurate with the increasing proportion of other racial group members present. With this information, the relationship between school integration and attitudes toward residential racial integration can be observed while
controlling for the influence of neighborhood racial composition.

DATA COLLECTION AND SAMPLE

It took two years to obtain student attitudinal data for this study. The chronicle of gaining entrance into Portland Public Schools to collect these data is elaborated in Appendix B. High school seniors in the graduating class of 1987 were the sample universe for this study. Seniors were chosen because they had experienced school integration the longest, and they were closer to having to make actual residential choices than were other students. A question on residential racial integration thus would be more meaningful to seniors than to their underclass counterparts.

Four high schools were included in the survey: Benson, Grant, Lincoln and Madison. As explained in Appendix B, these were the high schools where the principals allowed access. The District administration would not allow access in cases where the principal did not want his/her students surveyed. Although self-selected, these four high schools have a minority student composition similar to the district's total high school minority composition, i.e. 28% vs. 27%, respectively. The four high schools included in the sample also represent both the west and east areas of the Portland School District.

In surveying each high school, an effort was made to
survey a representative sample of seniors. School personnel in each high school vouched that classes selected for the survey contained a mix of academic achievement levels for that high school. The classes surveyed at each high school were as follows:

- **Benson:** Economics classes, 1st - 4th periods.
- **Grant:** Government classes, 1st and 2nd periods; Economics class, 3rd period; Psychology classes, 4th and 6th periods.
- **Lincoln:** Writers workshop, 4th and 7th periods; Humanities class, 7th period.
- **Madison:** Government class, 1st period.

As per conditions set forth by the Portland State University Human Subjects Review Committee, the survey instrument with an instruction sheet was handed out by the classroom teacher. The instruction sheet explained the nature of the survey and emphasized the voluntary nature of student participation (see Appendix C). The Human Subjects Review Committee felt that the presence of the investigator in the classroom would be too coercive toward the students. Thus, the investigator remained outside the classroom during the administration of the survey. It was decided that the inclusion of a cover sheet and absence of the investigator would provide anonymity and make completing the questionnaire less coercive.

A total of 372 questionnaires were returned to the
investigator. Teachers reported that no students refusing to complete the questionnaire. Out of the total, fifty-five questionnaires were dropped from the sample because they were missing critical responses, i.e., failure to answer questions regarding attitude towards residential integration.

One problem with using survey data is that of knowing whether or not the respondent was sincere in his/her responses. Thurstone (1929) developed the test of response consistency to alleviate this problem. Thurstone's approach was to include multiple questions on the same topic. If a subject responded consistently to re-phrased forms of the same question, his/her response could be viewed as reliable. If a subject responded markedly differently to paraphrased forms of the same question, his/her response would be viewed as non-reliable and would be thrown out of the analysis.

Using Thurstone's technique, a second question regarding attitude toward residential racial integration was added to the survey. Two returned questionnaires were thrown out of the analysis for extremely contradictory responses to the two questions on residential racial integration, i.e., the respondents strongly disagreed that Whites and non-Whites should live in the same neighborhood.

The following question was added: "Non-Whites and Whites should live in the same neighborhood-blocks: strongly disagree, disagree, slightly disagree, slightly agree, agree, strongly agree."
while expressing a preference to live in an extremely integrated neighborhood block.

The final sample contained 315 completed questionnaires (See Table VI). This sample represented 25 percent of the senior class enrollment in the four high schools surveyed. The final sample also constituted ten percent of the total 1986-87 senior class population of the Portland Public Schools.

**TABLE VI**

**SAMPLE POPULATION COMPOSITION**

<table>
<thead>
<tr>
<th>High School</th>
<th>Sample</th>
<th>Percent of Senior Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>Madison</td>
<td>38</td>
<td>16%</td>
</tr>
<tr>
<td>Grant</td>
<td>98(^1)</td>
<td>29%</td>
</tr>
<tr>
<td>Lincoln</td>
<td>77(^2)</td>
<td>23%</td>
</tr>
<tr>
<td>Benson</td>
<td>102</td>
<td>30%</td>
</tr>
<tr>
<td>TOTALS</td>
<td>315</td>
<td>25%</td>
</tr>
</tbody>
</table>

Percent of senior class population represented by high schools surveyed: 41%
Percent of senior class population represented by sample population: 16%

\(^1\)Contains 3 junior class students.

\(^2\)Contains 15 junior class students.


Non-Whites appear to be under-represented in the final sample (see Table VII). It is impossible to tell if this is
actually the case since the School District does not report minority student composition by grade level within high schools. Therefore, it is not possible to compare the minority composition of the sample population with the sample universe of twelfth grade students in the four high schools selected for study.

Another reason for the disparity in minority composition may be due to the fact that the student population changes from the beginning to the end of the school year. Enrollment statistics are gathered in September, and the data for this study was collected in May. Between these dates, the student population at a given school can change markedly. For example, during the school year 1985-86, only 61% of students enrolled at Madison High School in the fall were still there in June (Portland Public Schools, 1986).

TABLE VII
SAMPLE POPULATION COMPARED TO SAMPLE UNIVERSE

<table>
<thead>
<tr>
<th></th>
<th>Sample</th>
<th>School District (All High School Seniors)</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>263 (83%)</td>
<td>2,420 (75%)</td>
</tr>
<tr>
<td>Non-White</td>
<td>52 (17%)</td>
<td>891 (25%)</td>
</tr>
<tr>
<td>TOTAL</td>
<td>315</td>
<td>3,221</td>
</tr>
</tbody>
</table>

CHAPTER IV

DATA ANALYSIS AND RESULTS

As previously stated, this dissertation concerns the social change potential of public education. School integration policies have been linked to the goal of bringing about a more integrated society. This study seeks to determine if there is a relationship between school integration experiences and student attitudes toward residential racial integration. If such a relationship exists, it would offer support for the contention that school integration can contribute to movement toward a more integrated society in the long-run. Specifically, three hypotheses are to be tested:

1) Classroom racial composition (CRC) is positively related to behavioral attitude (BA) toward residential racial integration.

2) The onset of school integration (OSI) is positively related to behavioral attitude toward residential integration.

3) Involvement in racially integrated extracurricular activities (EA) is positively related to behavioral attitude toward residential racial integration.

All three aspects of the school integration experience,
listed above, i.e. CRC, OSI, and EA are thought to be positively related to attitude toward residential racial integration. In order to test these hypotheses, the following regression model was employed: \[ BA = a + b_1 \text{CRC} + b_2 \text{OSI} + b_3 \text{EA} + b_4 \text{RA} + b_5 \text{NRC} + b_6 \text{PEB} \]

In addition to the hypothesized predictors, the potentially influential variables of race (RA), neighborhood racial composition (NRC), and parents' education background (PEB), are included to identify their relative effects on behavioral attitude toward residential racial integration (BA).

Stepwise regression will be run to identify significant predictors included in the above regression model. The stepwise procedure will identify the variable that has the strongest linear association with attitude toward residential integration. This regression technique also identifies subsequent variables that have a significant association with BA while the effects of the other variables are controlled. This will allow a determination of the unique association of each predictor with attitude toward residential integration.

Significant predictor variables will be analyzed for multi-collinearity and functionality in their association with attitude toward residential racial integration. The analysis will begin with an examination of the descriptive statistics for each hypothesized variable.
DESCRIPTIVE STATISTICS

Classroom Racial Composition (CRC)

Nearly the entire sample of students surveyed, 98 percent, reported having attended racially integrated classrooms at some time during their public school years (see Table VIII). This is a higher percentage than was expected given the diversity of PPS's racial composition. Less than two percent, all White students, reported having attended racially segregated classrooms throughout their public school career. A good variation in responses was obtained with this measure. All response categories except one had ten or more students.

Table VIII
CLASSROOM RACIAL COMPOSITION

<table>
<thead>
<tr>
<th>Response</th>
<th>Value</th>
<th>Frequency</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attended segregated</td>
<td>1</td>
<td>5</td>
<td>1.6%</td>
</tr>
<tr>
<td>classrooms</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Attended classrooms</td>
<td>2</td>
<td>79</td>
<td>25.1%</td>
</tr>
<tr>
<td>with 10% other race*</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Attended classrooms</td>
<td>3</td>
<td>61</td>
<td>19.4%</td>
</tr>
<tr>
<td>with 20% other race</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Attended classrooms</td>
<td>4</td>
<td>69</td>
<td>21.9%</td>
</tr>
<tr>
<td>with 30% other race</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Attended classrooms</td>
<td>5</td>
<td>32</td>
<td>10.2%</td>
</tr>
<tr>
<td>with 40% other race</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Attended classrooms</td>
<td>6</td>
<td>16</td>
<td>5.1%</td>
</tr>
<tr>
<td>with 50% other race</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
TABLE VIII
CLASSROOM RACIAL COMPOSITION  
(continued)

<table>
<thead>
<tr>
<th>Attended classrooms</th>
<th>7</th>
<th>16</th>
<th>5.1%</th>
</tr>
</thead>
<tbody>
<tr>
<td>with 60% other race</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Attended classrooms</td>
<td>8</td>
<td>16</td>
<td>5.1%</td>
</tr>
<tr>
<td>with 70% other race</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Attended classrooms</td>
<td>9</td>
<td>11</td>
<td>3.5%</td>
</tr>
<tr>
<td>with 80% other race</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Attended classrooms</td>
<td>10</td>
<td>10</td>
<td>3.2%</td>
</tr>
<tr>
<td>with 90% other race</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTALS</td>
<td>315</td>
<td></td>
<td>100.0%</td>
</tr>
</tbody>
</table>

Mean = 4.18 or 31.8 percent of the other race—non-White for Whites and White for non-Whites—present in the classroom.

*Other race equals non-White for White students and White for non-White students.

Broken down by race, the mean classroom racial composition was 76 percent own group and 24 percent other group for White students; 31 percent own group and 69 percent other group for Non-Whites (see Table IX). Both of these ratios are close to Portland Public School Districts' actual racial composition, i.e. 73 percent White; 27 percent Non-White. As would be expected, Non-Whites scored significantly higher than Whites on this variable, with a mean score of 7.92 versus 3.44.
**TABLE IX**

**CLASSROOM RACIAL COMPOSITION:**
**FREQUENCY DISTRIBUTION BY RACE**

<table>
<thead>
<tr>
<th>Response</th>
<th>White</th>
<th></th>
<th>Non-White</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Frequency</td>
<td>Percent</td>
<td>Frequency</td>
<td>Percent</td>
</tr>
<tr>
<td>Attended segregated classrooms</td>
<td>5</td>
<td>(2%)</td>
<td>0</td>
<td>(0%)</td>
</tr>
<tr>
<td>Attended classrooms 78</td>
<td>(29%)</td>
<td></td>
<td>1</td>
<td>(2%)</td>
</tr>
<tr>
<td>with 10% other race*</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Attended classrooms 60</td>
<td>(23%)</td>
<td></td>
<td>1</td>
<td>(2%)</td>
</tr>
<tr>
<td>with 20% other race</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Attended classrooms 69</td>
<td>(25%)</td>
<td></td>
<td>0</td>
<td>(0%)</td>
</tr>
<tr>
<td>with 30% other race</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Attended classrooms 29</td>
<td>(11%)</td>
<td></td>
<td>3</td>
<td>(6%)</td>
</tr>
<tr>
<td>with 40% other race</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Attended classrooms 13</td>
<td>(5%)</td>
<td></td>
<td>3</td>
<td>(6%)</td>
</tr>
<tr>
<td>with 50% other race</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Attended classrooms 8</td>
<td>(3%)</td>
<td></td>
<td>8</td>
<td>(15%)</td>
</tr>
<tr>
<td>with 60% other race</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Attended classrooms 0</td>
<td>(0%)</td>
<td></td>
<td>16</td>
<td>(31%)</td>
</tr>
<tr>
<td>with 70% other race</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Attended classrooms 1</td>
<td>(1%)</td>
<td></td>
<td>10</td>
<td>(19%)</td>
</tr>
<tr>
<td>with 80% other race</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Attended classrooms 0</td>
<td>(0%)</td>
<td></td>
<td>10</td>
<td>(19%)</td>
</tr>
<tr>
<td>with 90% other race</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTALS</td>
<td>263</td>
<td>100%</td>
<td>52</td>
<td>100%</td>
</tr>
</tbody>
</table>

Mean = 3.44  
(75.6% own group;  
24.4% other group)  
Mean = 7.92  
(38.8% own group;  
69.2% other group)
Onset of School Integration Experience (OSI)

Almost two-thirds, 66 percent, of the students surveyed reported being enrolled in integrated classrooms as early as kindergarten (see Table X). This is a remarkably high figure given the fact that 50 percent of Portland Public School's elementary schools had five percent or less non-White enrollment at the time the students surveyed were in the first grade in 1974 (Portland Public Schools, 1974).

The high percentage of students experiencing school integration at the early grade levels indicates that non-White students were not segregated or grouped by classroom at the early grade levels. Johnson (1976) reported that Portland Public School District policy supported a conscious effort not to group Non-White students within classrooms during the early 1970s. This would account for the fact that, although many elementary schools had few Non-White students, they were spread out over many classrooms, thereby maximizing interracial contact.

Although most of the students reported experiencing school integration at the early grade levels, there was wide variation in reported onset of school integration. Onset of school integration was reported at every grade level except eleventh. More than ten students reported experiencing school integration for the first time at grades three, four and nine.
TABLE X
ONSET OF SCHOOL INTEGRATION

<table>
<thead>
<tr>
<th>Response</th>
<th>Value</th>
<th>Frequency</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-kindergarten</td>
<td>14</td>
<td>122</td>
<td>38.7%</td>
</tr>
<tr>
<td>Kindergarten</td>
<td>13</td>
<td>85</td>
<td>27.0%</td>
</tr>
<tr>
<td>First grade</td>
<td>12</td>
<td>29</td>
<td>9.2%</td>
</tr>
<tr>
<td>Second grade</td>
<td>11</td>
<td>6</td>
<td>1.9%</td>
</tr>
<tr>
<td>Third grade</td>
<td>10</td>
<td>13</td>
<td>4.1%</td>
</tr>
<tr>
<td>Fourth grade</td>
<td>9</td>
<td>13</td>
<td>4.1%</td>
</tr>
<tr>
<td>Fifth grade</td>
<td>8</td>
<td>8</td>
<td>2.5%</td>
</tr>
<tr>
<td>Sixth grade</td>
<td>7</td>
<td>11</td>
<td>3.5%</td>
</tr>
<tr>
<td>Seventh grade</td>
<td>6</td>
<td>3</td>
<td>1.0%</td>
</tr>
<tr>
<td>Eighth grade</td>
<td>5</td>
<td>5</td>
<td>1.6%</td>
</tr>
<tr>
<td>Ninth grade</td>
<td>4</td>
<td>15</td>
<td>4.8%</td>
</tr>
<tr>
<td>Tenth grade</td>
<td>3</td>
<td>2</td>
<td>0.6%</td>
</tr>
<tr>
<td>Eleventh grade</td>
<td>2</td>
<td>0</td>
<td>0.0%</td>
</tr>
<tr>
<td>Twelfth grade</td>
<td>1</td>
<td>2</td>
<td>0.6%</td>
</tr>
<tr>
<td>No Integration</td>
<td>0</td>
<td>1</td>
<td>0.3%</td>
</tr>
<tr>
<td>Experience</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTALS</td>
<td></td>
<td>315</td>
<td>100%</td>
</tr>
</tbody>
</table>

Mean = 11.83: Between First and Second Grade.

Involvement in Racially Integrated Extracurricular Activities (EA)

A very high percentage of the students surveyed, 86 percent, reported involvement in racially integrated extracurricular activities. Most students participated in
one or two activities while a few participated in as many as six or seven extracurricular activities (see Table XI). The fact that only six percent of students did not participate in integrated extracurricular activities suggests that this behavior is somewhat normative. That is to say, participation in integrated extracurricular activities may be a non-differentiating factor with minor variations in the case of the survey sample.

TABLE XI
IN VolVEMENT IN INTEGRATED EXTRACURRICULAR ACTIVITIES

<table>
<thead>
<tr>
<th>Response</th>
<th>Frequency</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Did not participate</td>
<td>19</td>
<td>6.0%</td>
</tr>
<tr>
<td>Did participate</td>
<td>270</td>
<td>85.7%</td>
</tr>
<tr>
<td>No response</td>
<td>26</td>
<td>8.3%</td>
</tr>
<tr>
<td>TOTALS</td>
<td>315</td>
<td>100.0%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Response</th>
<th>Frequency</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Participated in one activity</td>
<td>70</td>
<td>22.2%</td>
</tr>
<tr>
<td>Participated in two activities</td>
<td>86</td>
<td>27.3%</td>
</tr>
<tr>
<td>Participated in three activities</td>
<td>57</td>
<td>18.1%</td>
</tr>
<tr>
<td>Participated in four activities</td>
<td>48</td>
<td>12.7%</td>
</tr>
<tr>
<td>Participated in five activities</td>
<td>11</td>
<td>3.5%</td>
</tr>
<tr>
<td>Participated in six activities</td>
<td>2</td>
<td>0.6%</td>
</tr>
<tr>
<td>Participated in seven activities</td>
<td>1</td>
<td>0.3%</td>
</tr>
<tr>
<td>No response</td>
<td>48</td>
<td>15.2%</td>
</tr>
<tr>
<td>TOTALS</td>
<td>315</td>
<td>100.0%</td>
</tr>
</tbody>
</table>
To summarize, the average student surveyed experienced racially integrated classrooms with racial compositions close to that of the District's racial composition. The average student also experienced school integration at an early grade level, i.e., by the second grade, and participated in one or two racially integrated extracurricular activities. Wide variation was obtained in classroom racial composition (CRC) and onset of school integration (OSI). On the other hand, relatively few students did not report participation in integrated extracurricular activities (EA) thus limiting variation on this measurement.

**Behavioral Attitude Toward Residential Racial Integration (BA)**

A remarkably high proportion of students surveyed, 93 percent, chose a racially integrated neighborhood in response to the residential choice question. Over half of the students, 64 percent, chose a neighborhood with 70 percent or less of their own race (see Table XII). This indicates a very high level of tolerance toward residential racial integration compared to prior survey results.
### TABLE XII

**BEHAVIORAL ATTITUDE TOWARD RESIDENTIAL RACIAL INTEGRATION**

<table>
<thead>
<tr>
<th>Response</th>
<th>Value</th>
<th>Frequency</th>
<th>Percent</th>
<th>Cumulative Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chose segregated neighborhood</td>
<td>1</td>
<td>23</td>
<td>7.3%</td>
<td>7.3%</td>
</tr>
<tr>
<td>Chose neighborhood with 90% own race</td>
<td>2</td>
<td>47</td>
<td>14.9%</td>
<td>22.2%</td>
</tr>
<tr>
<td>Chose neighborhood with 80% own race</td>
<td>3</td>
<td>43</td>
<td>13.7%</td>
<td>35.9%</td>
</tr>
<tr>
<td>Chose neighborhood with 70% own race</td>
<td>4</td>
<td>34</td>
<td>10.8%</td>
<td>46.7%</td>
</tr>
<tr>
<td>Chose neighborhood with 60% own race</td>
<td>5</td>
<td>25</td>
<td>7.9%</td>
<td>54.6%</td>
</tr>
<tr>
<td>Chose neighborhood with 50% own race</td>
<td>6</td>
<td>116</td>
<td>36.8%</td>
<td>91.4%</td>
</tr>
<tr>
<td>Chose neighborhood with 40% own race</td>
<td>7</td>
<td>4</td>
<td>1.3%</td>
<td>92.7%</td>
</tr>
<tr>
<td>Chose neighborhood with 30% own race</td>
<td>8</td>
<td>11</td>
<td>3.5%</td>
<td>96.2%</td>
</tr>
<tr>
<td>Chose neighborhood with 20% own race</td>
<td>9</td>
<td>4</td>
<td>1.3%</td>
<td>97.5%</td>
</tr>
<tr>
<td>Chose neighborhood with 10% own race</td>
<td>10</td>
<td>8</td>
<td>2.5%</td>
<td>100.0%</td>
</tr>
<tr>
<td><strong>TOTALS</strong></td>
<td></td>
<td>315</td>
<td>100.0%</td>
<td></td>
</tr>
</tbody>
</table>

In 1968, DeBerry and Agger surveyed 310 White and 62 Black adults in Portland as part of the Portland Public School District's study on "Race and Education." While 91 percent of the Blacks surveyed felt they (Blacks) ought to
live in racially integrated neighborhoods, only 45 percent of the Whites surveyed felt that Blacks should live in integrated neighborhoods. Forty-five percent of the Whites felt that Blacks should live in segregated neighborhoods; the remaining ten percent were undecided.

A more recent survey conducted by the Portland Housing Integration Task Force (1983) revealed that 56 percent of Portland's adult population would prefer to live in an "integrated neighborhood containing both Blacks and Whites." This survey was based on a sample of 269 Whites and 63 Blacks randomly selected from the phone book. Both of these earlier surveys indicate attitudes less favorable toward residential racial integration than those of students in this study. This suggests that students graduating from high school may be more prone to live in integrated neighborhoods than their parents.

The positive attitude toward racially integrated neighborhoods was strong for both White and non-White students surveyed. Ninety-one percent of the White students chose a racially integrated neighborhood as their neighborhood of preference. All the non-White students in the sample chose an integrated neighborhood (see Table XIII).
TABLE XIII

BEHAVIORAL ATTITUDE TOWARD
RESIDENTIAL RACIAL INTEGRATION
FREQUENCY DISTRIBUTION BY RACE

<table>
<thead>
<tr>
<th>Value</th>
<th>White Frequency</th>
<th>White Percent</th>
<th>Non-White Frequency</th>
<th>Non-White Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 (Segregated)</td>
<td>23</td>
<td>9%</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>2 (90% own group)</td>
<td>47</td>
<td>18%</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>3 (80% own group)</td>
<td>41</td>
<td>16%</td>
<td>2</td>
<td>4%</td>
</tr>
<tr>
<td>4 (70% own group)</td>
<td>34</td>
<td>13%</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>5 (60% own group)</td>
<td>24</td>
<td>9%</td>
<td>1</td>
<td>2%</td>
</tr>
<tr>
<td>6 (50% own group)</td>
<td>89</td>
<td>33%</td>
<td>27</td>
<td>52%</td>
</tr>
<tr>
<td>7 (40% own group)</td>
<td>1</td>
<td>&lt;1%</td>
<td>3</td>
<td>6%</td>
</tr>
<tr>
<td>8 (30% own group)</td>
<td>2</td>
<td>1%</td>
<td>9</td>
<td>17%</td>
</tr>
<tr>
<td>9 (20% own group)</td>
<td>1</td>
<td>&lt;1%</td>
<td>3</td>
<td>6%</td>
</tr>
<tr>
<td>10 (10% own group)</td>
<td>1</td>
<td>&lt;1%</td>
<td>7</td>
<td>13%</td>
</tr>
<tr>
<td>TOTALS</td>
<td>263</td>
<td>100%</td>
<td>52</td>
<td>100%</td>
</tr>
</tbody>
</table>

Mean = 4.88
(69.2% own group; 30.8% other group)

Mean = 6.98
(40.2% own group; 59.8% other group)

The most frequent response on the neighborhood choice question was 50 percent own race/50 percent other race. This was true for Whites and non-Whites. This may indicate that students surveyed viewed real residential integration as consisting of neighborhoods with an equal proportion of Whites and Non-Whites.
Non-Whites scored significantly higher on the behavioral attitude scale than Whites. That is to say, Non-Whites consistently chose more racially integrated neighborhoods than Whites in response to the residential choice question. The average non-White chose a neighborhood with 60 percent other race (White) present while the average White chose a neighborhood with 31 percent of the other race (non-White) present. This finding is consistent with the earlier survey conducted in Portland by DeBerry and Agger (1968) in that non-Whites are more tolerant and accepting of Whites in their neighborhoods than are Whites of non-Whites. On the other hand, it appears that Whites have experienced greater attitudinal change since the DeBerry and Agger Survey, i.e. 91 vs. 45 percent in favor of racially integrated neighborhoods.

MULTIPLE REGRESSION ANALYSIS

As stated earlier, the regression model used for testing hypotheses on the linear association between school integration experiences and attitude toward residential integration is

$$ BA = a + b_1 CRC + b_2 OSI + b_3 EA + b_4 RA + b_5 NRC + b_6 PEB + e. $$

A stepwise multiple regression analysis was conducted to determine significant predictors contained in this model. In this procedure, the first variable considered for entry into the equation is the one with the
largest positive or negative linear correlation with the dependent variable, i.e. behavior attitude toward residential racial integration. Subsequent predictors are then selected for entry based on their partial correlation with the dependent variable, i.e. highest partial correlation to statistically significant (.05 level) lowest correlation coefficient. The results of this analysis are depicted in Table XIX.

**TABLE XIV**

MULTIPLE REGRESSION ANALYSIS OF VARIATION IN ATTITUDE TOWARD RESIDENTIAL INTEGRATION: STEPWISE REGRESSION

Variable entered on step one: Race

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple R</td>
<td>.4951</td>
</tr>
<tr>
<td>R Squared</td>
<td>.2452</td>
</tr>
</tbody>
</table>

Variable entered on step two: Racial composition of school

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple R</td>
<td>.5570</td>
</tr>
<tr>
<td>R Squared</td>
<td>.3103</td>
</tr>
</tbody>
</table>

Variable entered on step three: Onset of school integration

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple R</td>
<td>.5933</td>
</tr>
<tr>
<td>R Squared</td>
<td>.3520</td>
</tr>
</tbody>
</table>

Variable entered on step four: Neighborhood racial composition

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple R</td>
<td>.6068</td>
</tr>
<tr>
<td>R Squared</td>
<td>.3681</td>
</tr>
</tbody>
</table>

Variable entered on step five: Parents' educational background

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple R</td>
<td>.6156</td>
</tr>
<tr>
<td>R Squared</td>
<td>.3790</td>
</tr>
</tbody>
</table>

Multiple R .61848 Standard Error 1.6656
R Square .38252 F = 24.51 (Significant at .00 level)
The stepwise multiple regression showed race as having the strongest association with behavioral attitude toward residential racial integration (BA), i.e. $r^2 = .25$. The second and third strongest predictors of BA were racial composition of the school (SCH), $r^2$ increased to .31, and onset of school integration experience (OSI), $r^2$ increased to .35. Neighborhood racial composition (NRC) and parents' education background (PEB) rounded out the group of variables that added to the overall variation in BA accounted for through statistically significant associations. Total variance in BA scores accounted for by this regression model is 38 percent.

An examination of partial correlations and beta weights generally supports the results of the regression coefficients (See Table XV). Race (RA) and School racial composition (SCH) show up as having the strongest association with BA when the linear effects of the other predictors are removed: partial $r = -.29$ and -.31 respectively. The onset of school integration (OSI), neighborhood racial composition (NRC), and parents' educational background (PEB) follow in significance with partial rs of .25, .16, and -.13 respectively.
TABLE XV
MULTIPLE REGRESSION ANALYSIS OF VARIATION
IN ATTITUDE TOWARD RESIDENTIAL INTEGRATION:
PARTIAL CORRELATIONS AND BETA WEIGHTS

<table>
<thead>
<tr>
<th>PREDICTOR</th>
<th>PARTIAL CORRELATION</th>
<th>SIGNIFICANCE LEVEL</th>
<th>BETA</th>
<th>SIGNIFICANCE LEVEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>NRC (Neigh. Racial Comp.)</td>
<td>.16</td>
<td>.0073</td>
<td>.1887</td>
<td>.0073</td>
</tr>
<tr>
<td>EA (Invol. in Racial Int. Extra Curic. Act.)</td>
<td>-.07</td>
<td>.2320</td>
<td>-.0567</td>
<td>.2320</td>
</tr>
<tr>
<td>SCH (Sch. Racial Composition)</td>
<td>-.31</td>
<td>.0000</td>
<td>-.2612</td>
<td>.0000</td>
</tr>
<tr>
<td>OSI (Onset Sch. Int.)</td>
<td>.25</td>
<td>.0000</td>
<td>-.2020</td>
<td>.0000</td>
</tr>
<tr>
<td>PEB (Parents Ed. Background)</td>
<td>-.13</td>
<td>.0317</td>
<td>-.1042</td>
<td>.0317</td>
</tr>
<tr>
<td>CRC (Classroom Ra Composition)</td>
<td>-.02</td>
<td>.7345</td>
<td>-.0260</td>
<td>.7345</td>
</tr>
<tr>
<td>RA (Race)</td>
<td>-.29</td>
<td>.0000</td>
<td>-.3926</td>
<td>.0000</td>
</tr>
</tbody>
</table>

The standardized partial slope estimates, or beta weights, also confirm the regression analysis with change in RA being associated with the largest change in BA followed by SCH, OSI, NRC, and PEB respectively.

Only one of the hypothesized linear associations appears to be significant. The onset of school integration (OSI) is significantly associated with behavioral attitude (BA) toward residential racial integration. Classroom racial composition (CRC) and involvement in integrated extracurricular activities (EA) do not appear to have
significant linear associations with BA.

Although it was not one of the hypothesized predictors, the racial composition of the school (SCH) turned out to have a significant linear relationship with BA. Racial composition of the school was measured by the proportion of Non-White students. The higher the percentage of Non-White students, the more negative were student attitudes toward residential integration. This result needs to be interpreted with caution since only four cases (or schools) were included in the analysis. Variation on this measure was limited with values of 16, 30, 34, and 35 percent Non-White students.

All three antecedent variables were significantly associated with behavioral attitude toward residential integration. As mentioned above, race had the strongest linear association of all the predictors considered. This result was suggested by the analysis of descriptive statistics. Earlier in this chapter it was reported that the average behavioral attitude score for Whites was 4.88 while the same score for Non-Whites was 6.98. This is a rather large discrepancy given the range of measurement, i.e. one to ten scale. The results of both the descriptive and regression analysis indicate that behavioral attitude toward residential racial integration is significantly different for Whites and Non-Whites.

Neighborhood racial composition (NRC) also had a
significant association with attitude toward residential integration. The higher the level of neighborhood integration, the more positive the attitude toward residential integration. The direction of this relationship was predicted by prior research discussed in Chapter Two.

Finally, the antecedent variable of parents' educational background (PEB) was found to have a significant association with BA. Although this relationship was anticipated from prior research, its direction was the opposite of what was expected. A negative relationship was found to exist between PEB, as measured by whether or not a student's parent(s) graduated from college, and BA. Prior studies suggested a positive association. The observed association was not strong, i.e. significant at .03 level. Also, the variation in PEB was limited to a nominal categorization.

The negative association obtained on the relationship between PEB and BA somewhat strengthens the finding of a positive relationship between OSI and BA. That is to say, a positive relationship between school integration experience, i.e. OSI, and attitude toward residential integration was found with the absence of positive support for more highly educated, liberal family backgrounds.

One of the major problems with multiple regression analysis is that of multi-collinearity. When the independent variables or predictors in a given model are
highly correlated, it is difficult to arrive at a judgment of their relative strength of association with the variable being predicted. In the case of the present regression model, it could be surmised that multi-collinearity is a problem. The school integration variables, as well the antecedent factors, could be intercorrelated. For example, it is reasonable to assume that race, onset of school integration, and parents' educational background might be correlated. In Portland, Oregon, if a student is Non-White, he/she is likely to encounter school integration early and have parents with a lower educational background than if he/she is White.

Perhaps the best way to detect multi-collinearity is to regress each independent variable on all the other independent variables (Lewis-Beck, 1980). When any of the $R^2$s from these equations is near 1.0, high multi-collinearity is indicated. Using the SPSSPC statistical package, tolerance coefficients ($1-R^2$) were calculated for each predictor variable in the model (See Table XVI).

### TABLE XVI

**MULTI-COLLINEARITY AMONG PREDICTORS:**

<table>
<thead>
<tr>
<th>PREDICTOR</th>
<th>TOLERANCE COEFFICIENT</th>
<th>COEFFICIENT OF MULTI-DETERMINATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>NRC (Neighborhood Racial Composition)</td>
<td>.499</td>
<td>.501</td>
</tr>
</tbody>
</table>
### TABLE XVI
MULTI-COLLINEARITY AMONG PREDICTORS: TOLERANCE COEFFICIENTS (Continued)

<table>
<thead>
<tr>
<th>PREDICTOR</th>
<th>TOLERANCE COEFFICIENT</th>
<th>COEFFICIENT OF MULTI-DETERMINATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>EA (Involvement in Racial Integration Extracurricular Activities)</td>
<td>.992</td>
<td>.888</td>
</tr>
<tr>
<td>SCH (School Racial Composition)</td>
<td>.979</td>
<td>.021</td>
</tr>
<tr>
<td>OSI (Onset School Integration)</td>
<td>.976</td>
<td>.024</td>
</tr>
<tr>
<td>PEB (Parents' Educational Background)</td>
<td>.958</td>
<td>.042</td>
</tr>
<tr>
<td>CRC (Classroom Racial Composition)</td>
<td>.379</td>
<td>.621</td>
</tr>
<tr>
<td>RA (Race)</td>
<td>.356</td>
<td>.644</td>
</tr>
</tbody>
</table>

Most of the tolerance coefficients were very high, i.e. over .9, indicating little, if any, multi-collinearity. The largest coefficient of multiple determination, $R^2 = .64$, was obtained for race. As mentioned above, this was to be expected. With regard to the hypothesized school integration variables, i.e. CRC, OSI, and EA, none were found to have high multi-collinearity with other predictors.

Thus far, the additive effects of the predictor variables have been considered. The question now arises, "Is the association of any predictor variable with behavioral attitude toward residential integration dependent..."
on the value of another predictor variable?" In order to determine interaction effects, the values of significant predictor variables were multiplied with each other to create ten new "interaction" variables. A forced multiple regression analysis was then run with all the interaction variables in addition to the significant predictors obtained from the stepwise regression (See Table XVII).

### TABLE XVII

**INTERACTION EFFECTS OF PREDICTORS ON BEHAVIORAL ATTITUDE**

<table>
<thead>
<tr>
<th>PREDICTOR</th>
<th>BETA</th>
<th>SIGNIFICANCE LEVEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>RA</td>
<td>-1.29</td>
<td>.0024</td>
</tr>
<tr>
<td>SCH</td>
<td>-.67</td>
<td>.0173</td>
</tr>
<tr>
<td>SCH X NRC*</td>
<td>.75</td>
<td>.0114</td>
</tr>
<tr>
<td>RA X OSI*</td>
<td>.66</td>
<td>.0223</td>
</tr>
<tr>
<td>NRC</td>
<td>-.78</td>
<td>.0584</td>
</tr>
<tr>
<td>RA X PEB</td>
<td>.29</td>
<td>.1476</td>
</tr>
<tr>
<td>OSI</td>
<td>-.34</td>
<td>.2899</td>
</tr>
<tr>
<td>NRC X PEB</td>
<td>.11</td>
<td>.2753</td>
</tr>
<tr>
<td>SCH X OSI</td>
<td>.27</td>
<td>.3122</td>
</tr>
<tr>
<td>SCH X PEB</td>
<td>-.24</td>
<td>.3478</td>
</tr>
<tr>
<td>OSI X PEB</td>
<td>-.17</td>
<td>.4397</td>
</tr>
<tr>
<td>RA X NRC</td>
<td>.08</td>
<td>.4636</td>
</tr>
<tr>
<td>OSI X NRC</td>
<td>.16</td>
<td>.5256</td>
</tr>
<tr>
<td>RA X SCH</td>
<td>.23</td>
<td>.5437</td>
</tr>
</tbody>
</table>
TABLE XVII

INTERACTION EFFECTS OF PREDICTORS ON BEHAVIORAL ATTITUDE
(Continued)

PED  Tolerance level exceeded, NOT entered into equation.

Multiple R = .65726  Standard Error = 1.65
R Squared = .4321

*Significant Interaction Effects

The results of the interaction analysis indicate two significant (.05 level) functional relationships. The relationship between the onset of school integration experience and behavioral attitude toward residential racial integration is a function of race. The relationship between OSI and BA is significant for White students and insignificant for Non-White students. This finding is further depicted in Figure 1.

The other significant functional relationship was that between neighborhood racial composition and school racial composition. The relationship between neighborhood racial composition and behavioral attitude toward residential racial integration appears to be dependent on school racial composition. The relationship between NRC and BA is significant for schools with higher Non-White compositions and not significant for schools with lower Non-White compositions. This finding is further illuminated in Figure 2. It should be noted, however, that the variation in
school racial composition is restricted to four cases.

The results of the multiple regression analyses suggest the following model: \[ BA = a + b_{2}\text{RA} + b_{3}\text{SCH} + b_{3}\text{OSI} + b_{4}\text{NRC} + b_{5}\text{PEB} + e. \]
Of the three hypothesized school integration factors, only the onset of school integration demonstrated a significant linear association with attitude toward residential racial integration. The relationships between BA and the other school integration measures, i.e. CRC and
Figure 1. OSI X BA BY RA (Frequency Scatter Gram)
Figure 2. NRC X BA BY SCH (Frequency Scatter Gram)
EA were not strong enough to reject the null hypotheses. Onset of school integration, however, appears to account for a significant, unique amount of the overall variation in student attitude toward residential racial integration.
CHAPTER V

THEORETICAL AND POLICY IMPLICATIONS

The results of this study are both consistent and inconsistent with previous theory and research. First of all, this study establishes a direct association between school integration experience and student attitudes toward residential racial integration. This finding is consistent with previous research discussed in Chapter One that suggests there exists a positive relationship between school integration and an increase in residential racial integration (U.S. Commission on Civil Rights, 1967; Taeber, 1978; Orfield, 1978; Pearce, 1981; and Hawley, 1983). The present findings go beyond earlier studies and establish a direct relationship between the school integration experience and residential choice attitudes of graduating high-school students. Furthermore, this study reveals that the onset of school integration is the one aspect of school integration experience that is significantly related to attitudes toward residential racial integration.

The results of the present research are inconsistent with previous theory and research that suggest the amount of interracial contact and involvement in racially integrated extra-curricular activities would be positively related to
attitudes toward residential racial integration. Furthermore, the results indicate the relationship between school integration and attitude toward residential racial integration is different for minority and majority group members. These findings will now be considered as to their theoretical and policy implications.

THE ONSET OF SCHOOL INTEGRATION AND STUDENT ATTITUDE TOWARD RESIDENTIAL RACIAL INTEGRATION

The results of this study establish a direct relationship between school integration and residential racial integration. Prior research (U.S. Commission on Civil Rights, 1967; Orfield, 1978; and Pearce, 1981) had asserted a direct linkage based on circumstantial evidence, e.g. school districts with desegregation plans appear to be experiencing gains in residential integration or persons that attended an integrated school report a higher tolerance toward racially integrated neighborhoods. However, the school integration experience had not been defined and directly linked to a propensity toward residential integration. The results of this study establish such a direct relationship. Furthermore, early onset of the school integration experience appears to be central to this relationship.

The positive association between the onset of school integration and student attitudes toward residential
integration is consistent with earlier research indicating that interracial contact at an early age will lead to greater interracial acceptance and social preference (Allport, 1954, Goldstein et al., 1979). Moreover, the present study indicates this effect endures into young adulthood and leads to positive attitudes toward residential racial integration. Other studies have not reported on such longitudinal effects. Rather, previous research measured attitude differences between children in segregated and integrated situations at the early grade levels, i.e. kindergarten and first grade.

The relationship between the onset of school integration and attitude toward residential integration appears to be significant for the majority group only. Allport (1954) theorized that intergroup contact at an early age would lead to increased interracial tolerance among both minority and majority groups. The results of the present study suggest this is the case for the majority group but not the minority group. The relationship between the onset of school integration and attitude toward residential integration among non-whites was negative and statistically insignificant (Table XVIII).

Since Allport's work, research on early-age interracial contact has focused on the reduction in negative stigma or stereotype associated with minority group membership. In summarizing this research, Goldstein (1979) notes a more
positive attitude toward the minority group on both the part
of majority and minority group members:

To varying degrees, then, all children in
 interracial classes exhibit more preference for
 and acceptance of blacks, the traditionally
devalued race, and less preference for whites
than did children in segregated classrooms.
(Goldstein, 1979:93)

<table>
<thead>
<tr>
<th>Relationship</th>
<th>Number of Cases</th>
<th>Pearson r</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSI and BA</td>
<td>315</td>
<td>.22**</td>
</tr>
<tr>
<td>OSI and BA among White students</td>
<td>263</td>
<td>.30**</td>
</tr>
<tr>
<td>OSI and BA among non-White students</td>
<td>52</td>
<td>-.14</td>
</tr>
<tr>
<td>OSI and BA among high education¹ background students</td>
<td>205</td>
<td>.29**</td>
</tr>
<tr>
<td>OSI and BA among low education¹ background students</td>
<td>109</td>
<td>.13</td>
</tr>
<tr>
<td>OSI and BA among students from integrated neighborhoods²</td>
<td>227</td>
<td>.15*</td>
</tr>
<tr>
<td>OSI and BA among students from segregated neighborhoods²</td>
<td>84</td>
<td>.30*</td>
</tr>
</tbody>
</table>

* .01 level of significance
** .001 level of significance
¹ High = 178 White students, 27 non-white students
² Low = 84 White students, 25 non-white students
² Integrated = 175 White students, 52 non-white students
Segregated = 84 White students, 0 non-White students

The present study confirms Goldstein's finding in that early school integration experience is associated with a greater residential preference for Non-White neighbors among both the white and Non-White groups. This helps explain the negative correlation found between the onset of school integration and attitude toward residential racial integration found among the Non-White group. By expressing a residential preference toward their own group, Non-Whites recorded lower scores on the residential integration behavioral attitude scale. This contributed to a negative association between OSI and BA for Non-Whites.

The relationship between the onset of school integration and attitude toward residential integration was robust when taking into account the antecedent influences of family educational background and neighborhood racial composition. This correlation remained positive for students with college and non-college educated parents. Most noteworthy was the finding that this positive relationship was statistically significant for students from both integrated and segregated neighborhoods (See Table XVIII).
Previous research has indicated that neighborhood racial composition is a significant determinant of racial attitudes (Darden and Parsons, 1981). This research has reported that White students from all-White neighborhoods have more negative attitudes toward racial integration than White students from racially integrated neighborhoods. The results of the present study suggest that school integration at the early grade levels may counteract the lack of interracial contact at the neighborhood level. Such contact may foster a positive attitude toward residential racial integration in the absence of interracial contact at the neighborhood level.

Perhaps the most significant extrapolation from the finding that the onset of school integration is the key factor associated with student attitude toward residential integration is an explanation of why residential racial segregation has persisted despite widespread school integration. If early exposure to interracial contact is the main factor related to behavioral attitude toward residential racial integration, it would require an extended period of time for this relationship to impact residential choice patterns. Early exposure to school integration at the kindergarten or first grade levels would take at least 12 years to influence residential choice, i.e. when the student graduates from high school. If college or the military is involved in a student's career plans, it would
take over 16 years for early school integration experience to affect residential choice behavior. These estimates are probably conservative given the current climate of deferred home buying due to the high cost of housing. Given the fact that school integration policies were not widely prevalent until the mid-1960's, the impact of early grade level school integration experience on residential choice would not be evident until the 1980s. The 1980 census data do not reflect this impact.

As pointed out in Chapter Two, the primary determinants of residential choice are proximity to work, features of the dwelling, and financial considerations. Before school integration experience could be a factor in residential choice, these other determinants must be somewhat constant. That is to say, one's preference for an integrated neighborhood might come into play after his/her preference for work proximity, dwelling features, and financial attractiveness are met. If these conditions are not present in an integrated neighborhood, the influence of school integration experience is not likely to be a factor in residential choice.

The findings of the present study also suggest that school integration plans that do not involve the early grade levels may have a negligible impact on student attitudes toward residential integration and, thus, also have an insignificant impact on subsequent residential racial
patterns.

With regard to the site for this study, Portland, Oregon, a concerted effort was initially made to integrate early grade levels through the creation of Early Childhood Centers in the Black community. As discussed in Chapter One, this policy, along with the recruitment of Black students to attend predominately White schools outside their neighborhoods, resulted in a significant increase in racial integration at the early grade levels (See Table XIX).

**TABLE XIX**

MINORITY ENROLLMENT TRENDS: PERCENT MINORITY ENROLLMENT

<table>
<thead>
<tr>
<th>SCHOOL*</th>
<th>1968</th>
<th>1984</th>
<th>1986</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUMBOLT</td>
<td>92%</td>
<td>39%</td>
<td>89%</td>
</tr>
<tr>
<td>KING</td>
<td>94%</td>
<td>59%</td>
<td>71%</td>
</tr>
<tr>
<td>SABIN</td>
<td>53%</td>
<td>49%</td>
<td>57%</td>
</tr>
<tr>
<td>AVERAGE</td>
<td>79%</td>
<td>49%</td>
<td>72%</td>
</tr>
</tbody>
</table>

*These schools were chosen because they have consistently remained designated as Early Childhood Centers throughout the period of Portland's School Integration Policy.

However, as also mentioned in Chapter One, the Portland School District's emphasis on a voluntary school integration approach resulted in an end to the policy of recruiting minority students to leave their neighborhoods and attend
elementary schools elsewhere in the district. A new middle school was opened in the Black Community in 1982 to allow Black residents the opportunity to attend school closer to home. A concomitant increase in effort to recruit White students into the elementary schools in the Black Community did not occur or did not offset the re-segregation caused by the discontinuance of minority recruitment to predominantly White elementary schools (See Table XIX).

As documented in Chapter One, Portland's school integration policy has included residential racial integration as both an implicit and an explicit policy goal. The results of the present study suggest this policy is being undermined by a concurrent policy of maximizing individual choice and a de-emphasis of minority recruitment from home neighborhood schools. This latter policy has resulted in a reduction of interracial contact at the early grade levels. The current study indicates that reduced interracial contact at the early grade levels will weaken the relationship between school integration and residential racial integration in Portland, Oregon.

In addition to OSI, the racial composition of the school (SCH) was found to be significantly associated with attitude toward residential racial integration. Although the variability on this predictor was limited, the finding merits discussion. Allport (1954) theorized that the larger the ratio of "incoming minority" to resident population, the
greater the probability for conflict. Subsequently, Douglas (1982) has speculated that when racial compositions of schools are over 40% minority, Whites develop negative attitudes toward racial integration. While no school in the present study had a minority composition of over 40%, minority racial composition was negatively associated with attitude toward residential integration among white students. Studies that include more cases and variability on the school racial composition factor are needed to clarify this relationship and more precisely determine its effects relative to OSI.

OTHER ASPECTS OF SCHOOL INTEGRATION EXPERIENCE
AND STUDENT ATTITUDE TOWARD
RESIDENTIAL RACIAL INTEGRATION

Interracial contact as measured by classroom racial composition does not appear to be significantly associated with behavioral attitude toward residential racial integration. This finding is contrary to Allport's (1954) theory that interracial contact under certain conditions is positively associated with interracial sociometric preference. All of Allport's conditions for a positive relationship appear to be met by the school integration setting, i.e. equal status: 1) both groups have student status; 2) schooling is an ordinary purposeful pursuit; and 3) school integration has institution sanction. However, in the present study, these conditions did not
produce a positive relationship between interracial contact as measured by classroom racial composition and attitude toward residential racial integration.

Since Allport's work, studies on the relationship between school integration and interracial attitudes have revealed mixed results. After reviewing research on the results of the first fourteen years of school integration policy, 1954-1970, Carithers (1970) concluded that interracial contact did not consistently bring about increased tolerance or acceptance of Blacks by Whites. St. John (1975) reviewed 41 studies on the effects of school-age interracial (Black/White) contact on racial prejudice and noted that:

Sometimes desegregation is reported to have ameliorated the prejudice of whites but intensified that of blacks, sometimes the reverse (St. John, 1975: 67-68).

More recently, Patchen (1982), Rossell and Hawley (1983), and Prager et. al. (1986), have confirmed that interracial contact in schools is a varied and complex phenomenon that does not render any consistent social outcomes. Consequently, the fact that interracial contact, as measured by classroom racial composition, was not significantly related to attitude toward residential integration in this study is not surprising. Rather, it supports an emerging consensus that interracial contact per-se does not, and will not, increase interracial social preference.
Thus, the current study as well as the reviews of literature cited above, indicate that the policy goal of societal racial integration will not be achieved by school integration as measured by the extent of interracial contact. The assumption that bringing majority and minority children together in schools will change the negative racial attitudes they acquire from family and community is not supported. If school integration has, or will have, a positive relationship to societal integration, i.e. residential integration, such a relationship has, or will, be founded on experiences other than the amount of interracial contact.

Contrary to previous theory and research, data from the present study did not reveal a significant relationship between participation in racially integrated extracurricular activities and behavior attitudes toward residential integration. Both Allport (1954) and Myrdal (1944) theorized that interracial contact in the context of "team work" and "cooperative endeavors" would reduce prejudice and improve attitudes toward the other race. The present study hypothesized that such contact occurs when White and Non-White students participate in extracurricular activities together, e.g. athletics, school clubs. If this supposition was correct, the results of this study did not confirm previous theory.

Failure to obtain a significant relationship between
participation in racially integrated extracurricular activities and attitude toward residential racial integration also casts doubt on previous research that supports such a relationship. Crain (1981) reported that Black and White students in high schools with a high extracurricular activity participation rate, i.e. 80% or more of student body are participants, were more likely to have opposite-race friends than students attending schools with a low participation rate, i.e. less than 50% of students participate in extracurricular activities. Crain interpreted these results as supporting the existence of a relationship between participation in racially integrated extracurricular activities and positive interracial attitudes.

Crain's study, however, has two major weaknesses. First, other potentially significant factors, i.e. onset of school integration, family background, and neighborhood racial composition, were not controlled for between high and low extracurricular participation schools. Second, the racial composition of extracurricular activity groups was not taken into account. Both of these weaknesses limit Crain's ability to assert a relationship between participation in racially integrated extracurricular activities and racial attitudes.

The relationship between participation in racially integrated extracurricular activities and racial attitudes
remains unclear. The present study fails to offer support for this relationship. If such a relationship exists, it is likely to be based on the nature of interracial contact that takes place in the extracurricular activity. Like the research on interracial contact in a school setting, interracial contact in an extracurricular activity setting may have widely varying effects on racial attitudes. These effects are based on something other than mere interracial contact in a generally similar environment.

In summary, the present study clearly indicates that interracial contact at the early grade levels can contribute to the policy goal of societal racial integration. On the other hand, mere interracial contact, at any grade level in a school environment, appears not to be associated with racial attitudes and, therefore, is probably not related to societal racial integration, i.e. attitude toward residential racial integration. This latter finding was extended to include the sub-school environment of extracurricular activities.

THE RELATIONSHIP BETWEEN SCHOOL INTEGRATION AND ATTITUDE TOWARD RESIDENTIAL RACIAL INTEGRATION: DIFFERENTIAL RESULTS FOR MINORITY AND MAJORITY GROUPS

The results of this study indicate a differential effect of school integration on the minority and majority groups. Table XXI suggests that increased exposure to Non-Whites among Whites, through school integration, increases
the preference for Non-Whites in a residential setting. On the other hand, this table also reveals that such exposure seems to have little or no affect on Non-White preference for Whites in a neighborhood setting.

In general, the present study reveals that White students were exposed to more Non-Whites in school than their neighborhoods and desired to live in neighborhoods that have proportionately more Non-White than do either their current neighborhoods or school classrooms. On the other hand, Non-White students were exposed to a slightly higher proportion of Whites in school than in their neighborhoods, and they seek to live in neighborhoods with slightly fewer Whites than either their current neighborhoods or classrooms.

<table>
<thead>
<tr>
<th>RACIAL GROUP</th>
<th>MEAN NEIGHBORHOOD RACIAL COMPOSITION SCORE</th>
<th>MEAN CLASSROOM COMPOSITION SCORE</th>
<th>MEAN BEHAVIORAL ATTITUDE SCORE</th>
</tr>
</thead>
<tbody>
<tr>
<td>WHITE</td>
<td>2.5</td>
<td>3.4</td>
<td>4.1</td>
</tr>
<tr>
<td></td>
<td>(Equals 85% White; 15% Non-White)</td>
<td>(Equals 75% White; 25% Non-White)</td>
<td>(Equals 69% White; 31% Non-White)</td>
</tr>
<tr>
<td>NON-WHITE</td>
<td>7.6</td>
<td>7.9</td>
<td>7.0</td>
</tr>
<tr>
<td></td>
<td>(Equals 66% White; 34% Non-White)</td>
<td>(Equals 63% White; 31% Non-White)</td>
<td>(Equals 60% White 40% Non-White)</td>
</tr>
</tbody>
</table>
TABLE XXI

COMPARISON OF WHITE AND NON-WHITE MEAN NRC, CRC, AND BA SCORES

(Continued)

*Racial Composition of the City: 87% White; 13% Non-White.
**Racial Composition of School District: 75% White; 25% Non-White.

The differential results for minority and majority groups obtained in this study have interesting policy implications. As described earlier, the policy of school integration originated with the landmark Supreme Court decision of Brown v. Board of Education. The focus of this decision and subsequent school integration policy has been that of improving educational opportunity for minority students. Thus, the policy goals of school integration have centered on changes in minority students, e.g. improved academic performance, higher self-esteem. The results of the present study suggest that the impact of school integration policy, at least in the area of interracial relations, is more significant for the majority group. Specifically, school integration appears to have an impact on majority, as opposed to minority group attitudes toward residential racial integration.

The big question of, "To what extent will school integration bring about a more integrated society?", remains largely unanswered. The present study clearly indicates that early school integration experience is related to
positive attitude toward residential racial integration among White students. To this extent, school integration can be viewed as contributing to the "accommodation" of minorities by the majority group. Allport (1954) theorized that minority-majority group relations pass through four successive stages: 1) sheer contact, 2) competition, 3) accommodation, and 4) assimilation. In relation to Allport's scheme, it would appear that school integration may contribute to minority assimilation by positively affecting accommodation on the part of Whites. This accommodation may, in turn, lead to a more racially integrated society.

The present study also indicates that school integration is neutral with regard to Non-White attitudes toward societal integration. Non-White preference for living in racially integrated neighborhoods appears unrelated to their school integrated experience as measured in this study. This is not surprising given the fact that Non-White tolerance for the presence of the other race is consistently higher than is the case for Whites, i.e. Non-Whites preferred neighborhoods that are 60% White, while Whites prefer neighborhoods that are 31% Non-White. Given their high preference for racially integrated neighborhoods, school integration would have to excerpt a very powerful influence to affect a positive change in Non-White attitudes toward residential racial integration.
The results of this study, when compared to previous surveys of White attitudes toward residential racial integration in Portland, Oregon, indicate a continuing trend toward increased acceptance or "accommodation" of Non-Whites by Whites (DeBerry and Agger, 1968; Portland Housing Integration Task Force, 1983). However, Non-Whites may be unable, in many cases, to take advantage of this increased acceptance because of continued disparity in economic status. For example, according to the 1980 census, Oregon's Black families had an average household income that was 34% less than the average household income for Whites i.e., $13,409 v. $20,210. Consequently, although Whites may be becoming more accommodating toward Non-Whites, Non-Whites may lack the income necessary to move into predominantly White neighborhoods.

SCHOOL INTEGRATION POLICY AND SOCIETAL INTEGRATION

As suggested earlier, the school integration policy in Portland, Oregon has been perceived as necessary in reaching the goal of societal integration. This study confirms the existence of a relationship between school integration experience and attitude toward residential racial integration. Specifically, the onset of school integration experience is positively related to attitude toward housing integration. To this extent, school integration in
Portland, Oregon can be viewed as being related to attitudes that may contribute to increased societal integration.

During the 1980s, Portland's school integration policy shifted from that of forcing interracial contact at the early grade levels, i.e. creation of Early Child Education Centers and elimination of middle grades in the Black Community, to restoring and maximizing individual choice. This shift in policy has resulted in the resegregation of elementary schools in the Black Community. This re-segregation, in turn, reduces the incidence of interracial contact at the early grade levels. The present study indicates that a reduction in this type of interracial contact will weaken the relationship between school integration and positive attitudes towards societal integration in Portland.

**STUDENT ATTITUDE TOWARD RESIDENTIAL RACIAL INTEGRATION AND SUBSEQUENT BEHAVIOR**

The obvious problem with attitudinal studies is the difficulty of assuming a relationship with future behavior. Reviews of the literature, however, indicate that relationships between attitude and behavior are consistent when accurately paired (Ajzen and Fishbein, 1977). This research reveals that behavioral attitudes or attitudes expressed in terms of behavioral acts do, in fact, correspond to subsequent behavior. In this study, the
survey was designed to measure "behavioral" attitude, e.g. "I would live in a neighborhood block..." Consequently, the general finding that attitude and actual behavior are related suggests that the attitudes measured in this study will be related to subsequent actions.

Whether or not positive attitude toward residential racial integration will result in increased residential racial integration is another matter. As noted in Chapter Two, factors other than interracial attitude are the primary determinants of residential choice behavior, e.g. proximity to work, dwelling features, and cost. Thus, for racial attitude to have an influence on residential choice, these other factors would have to be held constant. That is to say, the desired attributes of proximity to work, dwelling features, and cost would have to be available in both an integrated and segregated neighborhood in order for preference toward racially integrated neighborhoods to express itself in residential choice.

The extent to which attitudes measured in this study will remain constant over time is open to speculation. As mentioned earlier, Allport (1954) theorized that minority-majority relations go through successive developmental stages. This line of thinking postulates that accommodation leads to assimilation. If this is the case, positive attitude toward residential racial integration, i.e. accommodation on the part of Whites, should lead to residential
racial integration or assimilation in the long run.

On the other hand, Allport (1954:261) warned that the successive stages of minority-majority race relations are not irreversible:

Nor is the sequence irreversible. We know that where accommodation once existed, retrogression to stage of competition and conflict may often occur. Race riots represent such a throwback, so too do periodic outbreaks against Jews. In Germany, as we have noted, all existing anti-Semitic legislation was repealed in 1869. For the next sixty years, a period of peaceful accommodation seemed to have set in. Then, under Hitler, the tide was reversed. The Nurnberg laws and programs exceeded in ferocity any anti-Semitism that had ever previously existed in Germany.

Thus, positive attitudes toward racial integration expressed by high school seniors may not persist throughout their adult lives.

Kelman (1961) theorizes that attitude permanence is a function of how the attitude is obtained. He lists three types of attitude acquisition: compliance, identification, and internalization. Compliance occurs when a person adopts an attitude to obtain a reward or favorable reaction. For example, an employee may express a certain attitude in order to please his or her employer. Attitudes of this type are generally expressed only in the presence of a rewarding agent and are short lived. Identification pertains to attitudes derived from groups or persons one is trying to emulate. Thus, a child may adopt the attitudes of his/her parents or peer group. Finally, internalization relates to
attitudes formed as an extension of values. For example, one may have a negative attitude toward oil companies because he/she values the environment and oil companies create pollution.

Given the finding that the relationship between school integration experience and attitude toward residential racial integration is based on early age interracial contact, it may be postulated that the racial attitudes expressed in this study were mainly of the internalized variety. If these attitudes were compliance or identification acquired, they would not necessarily be related to early age contact. Compliance derived attitudes should be expressed to obtain favorable reaction regardless of past experience. Likewise, racial attitudes obtained through identification should be expressed irrespective of early age contact. On the other hand, attitudes acquired through an internalized value system would be related to early age experiences that tend to shape a person's value system.

In conclusion, it must be remembered that only a small, albeit significant, part of the variation in attitude toward residential racial integration was accounted for by school integration experience. Consequently, the persistence of racial attitudes into adult life and subsequent behavior of student surveyed will be the result of many other factors outside the school integration experience.
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SENIOR SURVEY

1. I currently attend ____________________________ school.

2. My parent(s) graduated from college. Yes______ No______

3. I have attended the following schools while I've been a student in the Portland Public School system:

<table>
<thead>
<tr>
<th>Name of School</th>
<th>Grades Attended</th>
</tr>
</thead>
</table>

4. My national origin or race is White______ Non-White______

5. On the average, the racial composition of the classrooms I attended was: (circle the X that best approximates your experience)

<table>
<thead>
<tr>
<th>Non-White</th>
<th>Non-White</th>
<th>Non-White</th>
<th>Non-White</th>
<th>Non-White</th>
<th>Non-White</th>
<th>Non-White</th>
<th>Non-White</th>
<th>Non-White</th>
<th>Non-White</th>
<th>Non-White</th>
<th>Non-White</th>
</tr>
</thead>
<tbody>
<tr>
<td>100%</td>
<td>90%</td>
<td>80%</td>
<td>70%</td>
<td>60%</td>
<td>50%</td>
<td>40%</td>
<td>30%</td>
<td>20%</td>
<td>10%</td>
<td>0%</td>
<td></td>
</tr>
</tbody>
</table>

6. Non-Whites and Whites should live in the same neighborhoods-blocks (circle one)

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strongly Disagree</td>
<td>Slightly Disagree</td>
<td>Slightly Agree</td>
<td>Agree</td>
<td>Strongly Agree</td>
<td></td>
</tr>
</tbody>
</table>

7. I attended classrooms with both Non-White and White students in the following grades: (circle each grade)

- Pre-kindergarten
- Kindergarten
- 1st grade
- 2nd grade
- 3rd grade
- 4th grade
- 5th grade
- 6th grade
- 7th grade
- 8th grade
- 9th grade
- 10th grade
- 11th grade
- 12th grade, none
8. I participated in extracurricular school activities with both Non-White and White students. Yes____ No____

8.a. If yes, list the extracurricular activities (for example: football, track, drama, chess club).____________________

8.b. If yes, on the average, the racial composition of my
extracurricular activity groups were:

<table>
<thead>
<tr>
<th></th>
<th>100%</th>
<th>90%</th>
<th>80%</th>
<th>70%</th>
<th>60%</th>
<th>50%</th>
<th>40%</th>
<th>30%</th>
<th>20%</th>
<th>10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-</td>
<td>White</td>
<td>Non-</td>
<td>White</td>
<td>Non-</td>
<td>White</td>
<td>Non-</td>
<td>White</td>
<td>Non-</td>
<td>White</td>
<td>Non-</td>
</tr>
<tr>
<td>White</td>
<td>White</td>
<td>White</td>
<td>White</td>
<td>White</td>
<td>White</td>
<td>White</td>
<td>White</td>
<td>White</td>
<td>White</td>
<td>White</td>
</tr>
</tbody>
</table>

9. Assuming I could live anywhere I wanted to, I would live in
a neighborhood-block that is:

<table>
<thead>
<tr>
<th></th>
<th>100%</th>
<th>90%</th>
<th>80%</th>
<th>70%</th>
<th>60%</th>
<th>50%</th>
<th>40%</th>
<th>30%</th>
<th>20%</th>
<th>10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-</td>
<td>White</td>
<td>Non-</td>
<td>White</td>
<td>Non-</td>
<td>White</td>
<td>Non-</td>
<td>White</td>
<td>Non-</td>
<td>White</td>
<td>Non-</td>
</tr>
<tr>
<td>White</td>
<td>White</td>
<td>White</td>
<td>White</td>
<td>White</td>
<td>White</td>
<td>White</td>
<td>White</td>
<td>White</td>
<td>White</td>
<td>White</td>
</tr>
</tbody>
</table>

10. I have lived at my current address for ________ years.

10. a. The racial composition of my neighborhood-block is approximately

<table>
<thead>
<tr>
<th></th>
<th>100%</th>
<th>90%</th>
<th>80%</th>
<th>70%</th>
<th>60%</th>
<th>50%</th>
<th>40%</th>
<th>30%</th>
<th>20%</th>
<th>10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-</td>
<td>White</td>
<td>Non-</td>
<td>White</td>
<td>Non-</td>
<td>White</td>
<td>Non-</td>
<td>White</td>
<td>Non-</td>
<td>White</td>
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11. After graduating from high school, I plan on (please check one),

A. Attending a 4 year college or university
B. Attending a 2 year college
C. Attending a vocational or technical training program
D. Working full-time
E. Entering the military
F. Undecided / Other
APPENDIX B

CHRONOLOGY OF DATA COLLECTION
CHRONOLOGY OF DATA COLLECTION

It took two years to obtain student attitudinal data for this study. What transpired over the course of those two years is important to note for two reasons. First, it illustrates the process of obtaining student attitudinal data. Second, it accounts for how the sample population was derived for this study.

Portland School District policy 320.23 governs external research. This policy requires interested parties to submit a written proposal describing the scope and significance of their proposed study. PSD reserves the right to reject any proposed study if it does not "focus on matters of high concern and potential usefulness to the District." Consequently, prior to submitting a research proposal, appropriate PPS personnel were queried about the acceptability of this dissertation study. A generally receptive response was obtained. In addition, certain PPS personnel suggested using the District’s Senior Survey as a vehicle for obtaining data.

The Senior Survey consists of one question regarding future school and/or career plans. From time to time, the district adds additional questions. This was considered to be an excellent mechanism for data collection in that the response rate was approximately 80%. District personnel were familiar with administering the survey on an annual
basis i.e., spring, so data collection was thought to be easy and non-disruptive. A survey of high school seniors would provide a sample of students who have been exposed to school integration for the longest period of time i.e., potentially 12 or more years.

An External Research Proposal was submitted to the Evaluation Department of PPS in December, 1985. The proposal was reviewed by the PPS Evaluation Department and a request for more information was made (See Appendix E for copies of correspondence). Their request for more information was responded to and preliminary approval was obtained by May, 1986.

On July 29, 1986, the Evaluation Department of PPS approved the proposed research based on two conditions. The first condition was that all student data be kept anonymous and confidential. The second condition was that a pilot test of the survey questionnaire be conducted.

The survey questionnaire was pilot tested in November, 1986. The survey instrument proved to be reliable in yielding meaningful results i.e., out of 85 completed questionnaires only six were incompletely filled out. Consequently, PPS was convinced that the questionnaire was understandable and would yield reliable information. On January 15, 1987, PPS instructed this investigator to make arrangements for including the proposed survey questions in the 1987 Senior Survey.
In February, 1987, the PPS personnel in charge of the Senior Survey were consulted regarding the inclusion of the dissertation survey in the district's Senior Survey. The initial meeting was very favorable. District personnel even indicated that PPS would code and tabulate the data on its own computer. However, subsequent to the meeting, this investigator was told over the phone that the person in charge of all the high school counselors was against adding questions the Senior Survey. Their reasons were: 1) the added questions would make the Senior Survey too time consuming and, 2) additional questions would reduce the overall response rate thereby jeopardizing the validity of the Senior Survey. In addition, this investigator was told that the head counselor's position would not be overruled!

An appeal was made to the Evaluation Department to follow-up on its prior approval for including the dissertation questions in the School District's Senior survey. This appeal was unsuccessful. However, approval was given to contact each high school principal to obtain permission for conducting a separate survey of their senior class. Letters were immediately sent out to all high school principals requesting such permission.

The Portland School District has ten high schools. Out of the ten high school principals, three agreed to allow their students to be surveyed, three rejected the request, and four did not respond at all. This created an obvious
concern about the representativeness of the sample, particularly since the three high schools willing to participate were all in the east part of the school district, leaving the predominantly white west side unrepresented.

Another effort was made to have PPS officials bring about greater participation in the dissertation survey. This effort resulted in a letter being sent to the principals who had not responded to the first inquiry. The investigator focused his energy on accessing a high school on the predominantly white west side of the district. Approval was finally obtained to include an additional high school from the west region of the district in April, 1987. Thus, the sample population for this study was comprised of high school students from four of PPS's ten high schools.
APPENDIX C

SENIOR SURVEY INSTRUCTIONS
THE ATTACHED SURVEY IS PART OF A DOCTORAL RESEARCH PROJECT IN URBAN STUDIES. THE RESEARCH IS ABOUT THE RELATIONSHIP BETWEEN SCHOOL EXPERIENCES AND YOUR ATTITUDES TOWARDS LIVING IN A Racially INTEGRATED NEIGHBORHOOD.

YOU ARE NOT TO PUT YOUR NAME ON THE QUESTIONNAIRE. THIS IS NOT A TEST OF ANY KIND. THERE ARE NO RIGHT OR WRONG ANSWERS.

FINALLY, YOU DO NOT HAVE TO FILL OUT THE QUESTIONNAIRE IF YOU DON'T WANT TO.
APPENDIX D

CORRESPONDENCE WITH SCHOOL DISTRICT
January 24, 1986

Mr. Rocky Johnson
Executive Director
Community Action Team, Inc.
351 Columbia Blvd.
St. Helens, OR 97051

Dear Mr. Johnson:

Your request for permission to conduct a study of the relationship between school integration and neighborhood integration in the Portland Public Schools has been referred to me by Walter Hathaway, Director of Research and Evaluation, for response. Our departmental management team has reviewed your proposal and found that we need further information before we can recommend approval. Specifically, we need answers to the following questions:

1. How will the results of the study be useful to Portland Public Schools or to the advancement of education?
2. How large a student sample will be required and at what grade levels?
   - What is the sampling plan, e.g., random, stratified random, etc.?
   - Who will administer the survey and how? Will this require principal or teacher involvement? If so, how much and in what way?
   - Will data be collected from any other school district sources, e.g., teachers, principals, computer files?

For your information, I have enclosed a copy of Portland Public Schools Policy 320.3 concerning the review of external researchers' studies. Familiarity with this policy should help you as you formulate answers to these questions.

Once we have received your responses, our management team will act promptly to review and act on them. The Portland Public Schools is always willing to cooperate with researchers engaged in meaningful and significant educational research. We must,
however, have the necessary information to enable us to adequately determine the value of the research, its technical adequacy and the potential burden it imposes on the students and the staff.

If you have any questions, please call. I look forward to receiving your responses.

Sincerely,

Joe B. Hansen
Assistant Director
Program Evaluation

JBH:db
2013
Enclosure

c: Walter Hathaway
POLICIES AND REGULATIONS

320.23
School Building Administration Servs 320.0
 FACILITIES AND GROUNDS

RESEARCH STUDIES - INTERNAL

Requests for surveys and research studies from individuals and or departments within the District shall follow the same procedures established for requesting research studies. Please see the Regulation Number 320.23
Administrative Regulation Issued 7/19 Amended 9/19

320.23
School Building Administration Servs 320.0
 FACILITIES AND GROUNDS

RESEARCH STUDIES - EXTERNAL

The Portland Public Schools Board of Education recognizes the importance of research and recommends that the superintendent and/or other appropriate agency of the District support research studies designed to provide information useful to the District. Such support may include the use of internal resources for research of an educational nature.

1 CRITERIA
The criteria that will be used in the evaluation of requests are as follows:

A Significance
Focus on areas of high concern and potential usefulness to the School District

B Relevance and Technical Adequacy
The research question, design of methodology, data collection and analysis, and interpretation procedures should be appropriate to the degree of knowledge desired for education

C Design
The design of the conceptual framework, research questions, and the data collection, data analysis, and inference procedures should be appropriate to the needs and purposes of the study, and should be appropriate to the degree of technical knowledge desired for education

D Budget
Adequate budget for the completion of the study

E Adequate facilities and personnel
Adequate facilities and personnel required for the completion of the study

F Adequate time
Adequate time for the completion of the study

G Procedures
A written proposal of the project and the expected results

H Criteria
Criteria for evaluation of the success of the project

I Costs
The costs of the project

2 PROCEDURES

A The superintendent will receive the application for a research study and submit it to the research committee. The application will be reviewed by the committee in accordance with the criteria established. If the request is approved, the superintendent will prepare a letter of approval.

B A study that has the approval of the research committee will be submitted to the Portland Public Schools Board of Education for review and approval

C If the request is approved by the Portland Public Schools Board of Education, the superintendent will issue a letter of permission for the study to be conducted within the District. The letter of permission will be forwarded to the superintendent of the school district in which the study will be conducted.

D The superintendent may issue a letter of approval to the research committee meeting to the request. The letter of permission will be forwarded to the superintendent of the school district in which the study will be conducted.

E Requests for information from the Board of Education of Individual School Districts will be submitted to the Superintendent. The Superintendent may seek advice from the Information Services for assistance on the request. The Superintendent may seek advice from the Information Services for assistance on the request. The Superintendent may seek advice from the Information Services for assistance on the request. The Superintendent may seek advice from the Information Services for assistance on the request.

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February 17, 1986

Joe B. Hansen
Assistant Director, Program Evaluation
Portland Public Schools
501 North Dixon St.
P.O. Box 2187
Portland, Or. 97208-3107

RE: Response to January 24, 1986 letter regarding proposed research: "The Relationship Between School Integration and Attitudes Toward Residential Integration"

Dear Mr. Hansen:

As we discussed on the phone, I will focus my response to your first question i.e., "how will the results of the study be useful to Portland Public Schools?"

Racial integration of our public schools continues to be a goal inspite of the lack of enthusiasm at the federal level. Racial integration of schools is still a goal of the Portland Public School District. Given this reality, it seems obvious that educators and community leaders would be interested in the relationship between school integration and attitudes toward residential integration. A better understanding of this relationship will help maximize the potential of the school integration experience to foster an integrated society i.e., residential integration. An integrated society would eliminate the need for school districts to spend an inordinate amount of resources to bring about racial integration in the schools.

As I indicated to you both in my written proposal and over the phone, I would like to use the annual "Senior Survey" as my vehicle for obtaining data. This should answer questions two through four.
Finally, I do not intend to gather primary data from any other school district.

Thank you for your time and interest in my research. I look forward to hearing from you soon.

Sincerely,

Rocky Johnson,
Executive Director

cc Bill Scott
May 8, 1986

Rocky Johnson, Executive Director
Community Action Team, Inc.
351 Columbia Blvd.
St. Helens, Oregon 97051

Dear Rocky:

As I promised in our telephone conversation this morning, here is the response of our Research, Evaluation, and Testing Department's management team to your proposed questionnaire to be appended to the Senior Survey.

We found the questions (7, 8, and 9) dealing with bigotry, rigidity, and conservatism to be objectionable and unsuitable for use with a school population. Unfortunately, we cannot approve their use. We are concerned about the possible inflammatory and divisive effect such items may have on the respondents. We are further concerned that items such as these would arouse a negative public reaction against which we would have no reasonable defense. We found the rationale for these items to be weak and could not link them satisfactorily to the original research proposal enclosed with your letter of December 6th, 1985.

We would like to see a draft of your survey pilot tested on some other population before it is used in the Portland Schools. Such a pilot test would enable you to revise any items that are not yielding the data you need to answer your key research questions.

Since it is already too late to include this questionnaire in the Senior Survey for the 1986 graduating class, we suggest that you make the suggested changes, pilot test and revise the instrument as needed and plan to administer it in the spring of 1987.

We wish you success in your research efforts and remain ready to assist you, provided that the above stated concerns can be dealt with satisfactorily.

Sincerely,

Joe Hansen,
Assistant Director

cc: Walter Hathaway
    Dean Forbes
    Ron Houser
July 29, 1986

Mr. Rocky Johnson, Executive Director
Community Action Team, Inc.
351 Columbia Blvd.
St. Helens, Oregon 97051

Dear Rocky,

The Research and Evaluation Department management team has reviewed the revised questionnaire you submitted for inclusion with the 1987 senior survey and has approved it for use, contingent upon the following conditions.

1. All student data must be kept anonymous and confidential.

2. A pilot test of the questionnaire will be conducted with a volunteer group of juniors this fall.

You have our permission to contact High School principals to seek a suitable group for a pilot test. Please keep this office informed of your progress.

Sincerely,

Joe Hansen,
Assistant Director
Program Evaluation

cc: Walter Hathaway
Porter Sexton
January 15, 1997

Mr. Rocky Johnson, Director
Community Action Team, Inc.
351 Columbia Blvd.
St. Helens, OR 97051

Dear Rocky,

Thank you for the letter updating us on the progress you have made with your integration survey. I'm pleased to hear that Dr. Rosa and her staff were helpful. As you know, Porter Sexton has responsibility for the Senior Survey, therefore you should contact him to arrange to have your questionnaire included with that survey. Please continue to keep us informed of your progress.

Sincerely,

Joe T. Hansen
Assistant Director

cc: Porter Sexton
Walter Hathaway
February 12, 1987

Mr. Rocky Johnson, Executive Director
Community Action Team, Inc.
351 Columbia Blvd.
St. Helens, Oregon 97051

Dear Rocky,

The Research and Evaluation Department management team is pleased to hear that you have successfully completed the pilot testing, at Grant High School, of your survey on attitudes toward neighborhood integration. We have thoroughly reviewed your survey and approved it for use, contingent upon the success of the pilot study and with the further stipulation that all student data must be kept anonymous and confidential.

You have our permission to contact High School principals to seek their voluntary participation in your study. Please keep us informed of your progress.

Sincerely,

[Signature]

Joe D. Ashton,
Assistant Director
Research Evaluation

cc: Walter Hathaway
Porter Sexton
April 7, 1987

MEMORANDUM

TO: Judy Lachenmeier
    Principal Lincoln High

FR: Walter Hathaway

You were recently contacted in writing by Mr. Rocky Johnson, Executive Director of The Community Action Team, inviting you to participate in a district approved research study on The Relationship Between School Integration and Student Attitudes Toward Residential Integration. (Please see attached correspondence.) Mr. Johnson will be calling you soon to see whether you are willing to cooperate in surveying your seniors with the attached instrument. Thus far, three of our high schools have agreed to participate.

As you prepare to respond to Mr. Johnson's request, please be aware that the Superintendent and members of the Board are interested in seeing that we obtain a representative sample of responses to this study which promises to provide the district information of use in evaluating and planning our district Comprehensive Desegregation/Integration Plan. While the final decision to participate in this study or not remains yours, this is one that we believe deserves your careful evaluation.

Thank you for your consideration.

Walt Hathaway
Attachment
APPENDIX E

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