

DOCUMENT RESUME

ED 029 567

HE 000 623

By-Bayer, Alan W.; And Others

Users' Manual. ACE Higher Education Data Bank.

American Council on Education, Washington, D.C. Office of Research.

Report No-ACE-RR-Vol-4-No-1-1969

Pub Date 69

Note-88p.

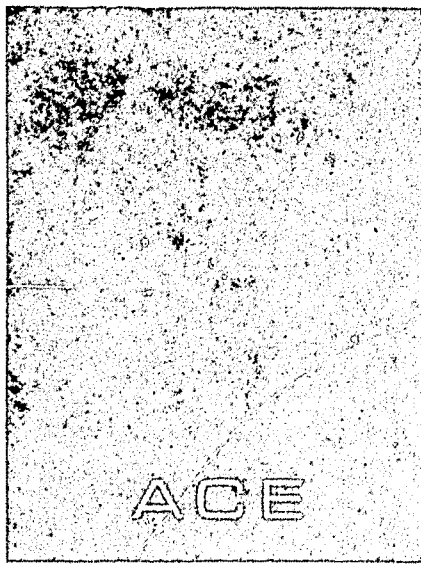
EDRS Price MF-\$0.50 HC-\$4.50

Descriptors- *Educational Research, Educational Trends, *Higher Education, Institutional Environment, *Institutional Research, *Research Methodology, Student Characteristics, Student Development, *Student Research

Identifiers- *American Council on Education Office of Research

The American Council on Education's Office of Research has instituted a large-scale data bank for research in American higher education. This cross-sectional and longitudinal data bank is available to the general community of scholars and administrators interested in student characteristics, student development, comparative institutional effects, educational trends and related research questions. The purpose of this manual is to provide a research and policy guide to those who wish to employ the resources of the data bank for their own research interests and objectives. The manual describes the sampling design of the data files, the types of information available, the computer hardware and the system software capabilities, and policy guidelines for using the data bank. On the basis of findings from 2 earlier studies, comprehensive full-scale studies of entering students attending a representative sample of more than 300 institutions were begun in 1966. Since then, new surveys of entering freshmen at these and additional institutions have been made annually, and periodic follow-ups of previous freshman classes have been undertaken. Supplemental information on these students has been obtained from several other sources. Copies of this manual may be obtained from The Office of Research, American Council on Education, 1785 Massachusetts Avenue, NW, Washington DC 20036. (Author/JS)

ED029567



ACE

RESEARCH
REPORTS

VOL 4 • NO. 1 1969

USERS' MANUAL

ACE Higher Education Data Bank

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
OFFICE OF EDUCATION

ALAN E. BAYER

ALEXANDER W. ASTIN

ROBERT F. BORUCH

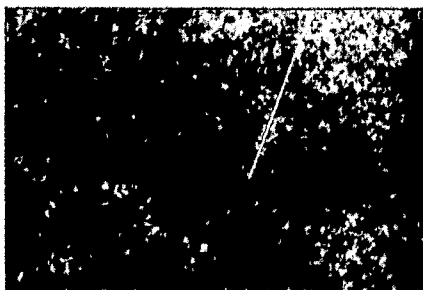
JOHN A. CREAGER

THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM THE PERSON OR ORGANIZATION ORIGINATING IT. POINTS OF VIEW OR OPINIONS STATED DO NOT NECESSARILY REPRESENT OFFICIAL OFFICE OF EDUCATION POSITION OR POLICY.

OFFICE OF RESEARCH



AMERICAN COUNCIL
ON EDUCATION



AE 000 623



American Council on Education

Logan Wilson, President

The American Council on Education, founded in 1918, is a *council* of educational organizations and institutions. Its purpose is to advance education and educational methods through comprehensive voluntary and cooperative action on the part of American educational associations, organizations, and institutions.

The Council's Office of Research was established in 1965 to assume responsibility for conducting research on questions of general concern to higher education. *ACE Research Reports* are designed to expedite communication of the Office's research findings to a limited number of educational researchers and other interested persons.

ACE RESEARCH ADVISORY COMMITTEE

Nicholas Hobbs, *Chairman*
Provost of Vanderbilt University
and Director of the Kennedy
Center, Peabody College

Allan M. Cartter
Chancellor
New York University

Richard C. Gilman
President
Occidental College

John G. Darley
Chairman
Department of Psychology
University of Minnesota

Ralph W. Tyler
Director Emeritus
Center for Advanced Study
in the Behavioral Sciences

N. L. Gage
Professor of Education and
Psychology
Stanford Center for Research
and Development in Training
Stanford University

Dael Wolfle
Executive Officer
American Association for the
Advancement of Science

Additional copies of this *Research Report* (Vol. 4, No. 1, 1969) may be obtained from The Office of Research, American Council on Education, 1785 Massachusetts Avenue, N.W., Washington, D.C. 20036.

ACKNOWLEDGEMENTS

The development of a data bank for the study of American college students and academic institutions has been a major goal of ACE's Office of Research for some time. The completion of this manual for users reflects the combined efforts of many people who have prepared a generalized computer program for data accessing, have processed and documented computer tape files for the system, and have given valuable assistance and suggestions for formulating guidelines for making specialized analyses available to the general community of research scholars and administrators concerned with the American system of higher education.

The generalized program for data accessing was adapted from the DATA-TEXT system developed at Harvard University by Arthur S. Couch, David J. Armor, David B. Peizer, and Hugh F. Cline. We are indebted to John M. Shiflett, who prepared a FORTRAN program for sections of the DATA-TEXT system, to Robert J. Panos, Gary Guardia, and Gerald T. Richardson, who reprogrammed this software system for ACE data accessing requirements, and to Penny L. Edgert, who prepared the summary guide to this system for Appendix D; to Gerald T. Richardson, Penny L. Edgert, William F. Mong, and Charles L. Sell, who assumed major roles in processing and documenting data files for the system; and to Janet R. Liechty who assisted in all phases of preparation of the guide. Finally, we should like to express our gratitude and thanks to the presidents, representatives, and students of the cooperating institutions. Without their interest and support this data bank would not have been possible.

AEB
AWA
RFB
JAC

TABLE OF CONTENTS

	<u>Page</u>
ACKNOWLEDGEMENTS	
I. Introduction.....	1
II. Sampling Design.....	2
A. Representative Sampling.....	2
B. Weighting.....	4
III. The Files.....	4
A. Student Files.....	6
B. Institutional Files.....	7
C. Future Files.....	8
IV. The Data.....	9
A. Student Information Form.....	12
B. Follow-up Information.....	12
C. Institutional Information.....	13
D. Data Specifications.....	13
V. ACE Software and Hardware Capability.....	15
A. Software.....	15
B. Hardware.....	16
VI. Data Accessing Policy.....	16
A. Procedures for a Request.....	17
B. Charges.....	19
VII. References.....	21
VIII. Appendix A: Sampling Design of ACE Surveys.....	23
IX. Appendix B: Freshman Student Information Forms...	29
X. Appendix C: Follow-up Questionnaires.....	49
XI. Appendix D: Guide to GROSS Data Accessing System.	71

USERS' MANUAL--ACE HIGHER EDUCATION DATA BANK

Alan E. Bayer
Alexander W. Astin
Robert F. Boruch
John A. Creager

American Council on Education

The Office of Research of the American Council on Education has instituted a large-scale data bank for research in higher education. Developed out of the ACE Cooperative Institutional Research Program (CIRP), this cross-sectional and longitudinal data bank is now available to the general community of research scholars and administrators interested in student characteristics, student development, comparative institutional effects, educational trends, and related research questions. The purpose of this manual is to provide a research and policy guide to those who might wish to employ the resources of the ACE data bank for their own research interests and objectives. The following sections describe the sampling design of the data files, the types of information available, the computer hardware and the system software capabilities, and policy guidelines for using the data bank.

On the basis of findings from two earlier studies,¹ comprehensive full-scale studies of entering students attending a representative sample of more than 300 institutions were begun in 1966. Since 1966, new surveys of entering freshmen at these and additional institutions have been made

¹The study prototype involved approximately 127,000 entering freshmen of 1961 at 248 colleges and universities (Astin, 1965). The pilot study involved 42,000 entering freshmen at 61 institutions in 1965 (Astin and Panos, 1966; Panos and Astin, 1967). The number of institutions originally reported as participating in the pilot study was 62; however two of these institutions merged.

annually, and periodic follow-ups of previous freshman classes have been undertaken. Supplemental information on these students is obtained from other sources, including follow-up data provided by college registrars. Other institutional data are acquired from college administrative questionnaires and other comprehensive periodic reports based on surveys by the U.S. Office of Education, the National Science Foundation, and the American Council on Education.

Sampling Design

The data files are of two basic types: student files and institutional files. The former include a data record for each participating student in the Cooperative Institutional Research Program; the latter, based on the institution as the unit of analysis, contain aggregated student body data as well as independently derived administrative and related data. In addition, each of the two basic types of files are divided into those which contain (1) single-year data (i.e., those data collected at one point in time), and (2) longitudinal data (i.e., those data collected at different times).

Representative Sampling

The primary sampling unit in the research program is the institution. All institutions of higher education listed by the U.S. Office of Education, including those which are nonaccredited, are defined as part of the population of eligible institutions. The only restrictions on eligibility for participation in the ACE Cooperative Institutional Research Program are that the institution be functioning at the time of the survey, that it admit students without requiring any prior college credits, and that it have the equivalent of an entering freshman class of at least 30 members. Under

these restrictions, the current eligible population consists of approximately 2,300 institutions listed in the U.S. Office of Education's Education Directory, Part 3.²

A representative sample of 307 institutions was drawn from the population in 1966 (Astin, Panos, and Creager, 1967). Sampling error was controlled through systematic sampling of institutions within the population strata. The stratification dimensions have included institutional type, control, size, selectivity, and affluence.³ Varying sampling ratios and random selection of institutions within different strata provided increased representativeness of the sampling units. The number of participating institutions was increased to 357 for the 1967 survey (Panos, Astin, and Creager, 1967), and to 435 for the 1968 survey (Creager, Astin, Boruch, and Bayer, 1968), in order to reflect changes in the population. Stratification cells, sampling ratios, and the number of participating institutions are shown in Appendix A for each yearly cohort of entering freshmen in the ACE data bank.

²The eligible population of institutions varies from year to year. In 1968, 2,303 institutions were included in the 'eligible' population. In the first year of the full-scale ACE Cooperative Institutional Research Program (1966) the eligible population consisted of 1,968 of the 2,281 institutions listed in the 1965-66 Education Directory, Part 3. In 1967, 2,187 institutions were eligible for inclusion. See Appendix A for further delineation of the 'eligible' population of institutions.

³The stratification dimensions have varied from year to year. The 1961 design included only four-year accredited institutions, stratified on the percentage of their baccalaureate recipients who later obtained the Ph.D. degree (Astin, 1965). The 1965, 1966, and 1967 stratification design included institutional type, undergraduate enrollment, and per-student operating budget (Astin and Panos, 1966; Astin, Panos, and Creager, 1967; Panos, Astin, and Creager, 1967). The 1968 design included institutional type, control, academic selectivity of the student body, and per-student expenditure (Creager, Astin, Boruch, and Bayer, 1968). It is planned that the 1968 institutional stratification design will be maintained for future freshmen surveys and that the 1966 and 1967 samples will be restratified to correspond with the subsequent survey designs.

Weighting

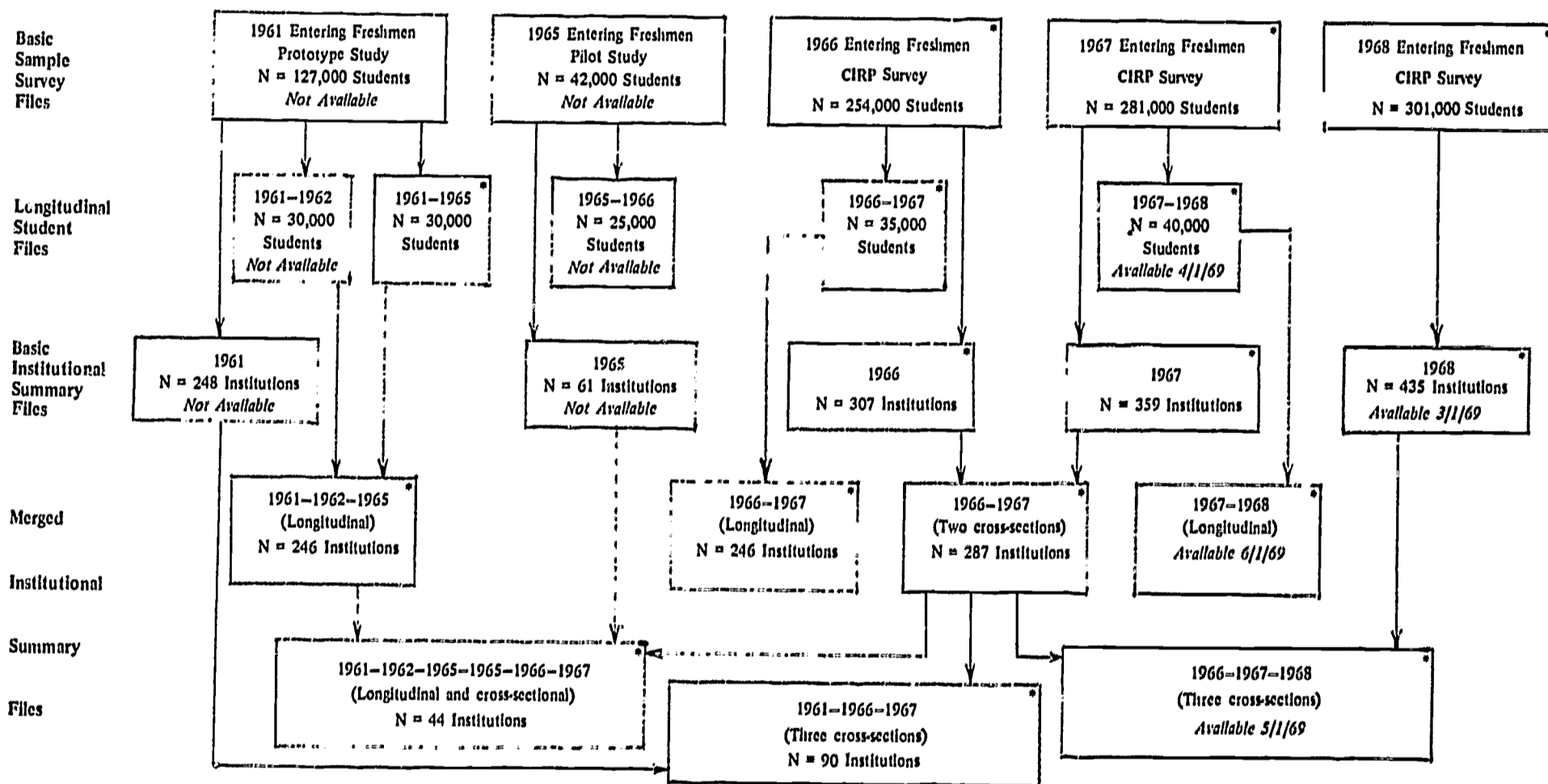
Sample weights, used to approximate population distributions, are available on all data files. Two basic types of weights are computed: (1) student weights, which are required to estimate student population parameters, and (2) institutional weights, which are required to estimate institutional distributions in the population. These weights are a function of: (1) the institutional sampling ratios employed in each stratification cell; (2) the proportion of sample institutions returning valid data on their entering students; (3) the ratio of the cell sample enrollment to the cell population enrollment (computed separately for each sex); and (4) the proportion of the total first-time, full-time entering freshman class in the sample institution who completed the freshman survey. Further description of these weighting procedures is reported by Creager (1968).

The Files

All the files are stored on magnetic tapes in the form of either BCD characters or binary words. As resources permit, all BCD files are being converted to binary in order to minimize computer time and processing costs. Twelve separate tape files, described below, have been selected for the data accessing system and are currently available. It is anticipated that four additional files will be available in the system by mid-1969. A flow chart of all ACE files (Figure 1) indicates the basic characteristics of each and its "creation path."

FIGURE 1

Flow Chart of the Relationships of ACE Student and Institutional Files, Including All Files Available Through the ACE Data Accessing System



NOTE: An asterisk (*) indicates file currently available, or available by mid-1969, for use through the ACE Data Accessing System.

Student Files

The following three single-year student files are currently available through the ACE data bank for research purposes:⁴

1966 entering freshmen (N = 254,000)

1967 entering freshmen (N = 281,000)

1968 entering freshmen (N = 301,000)

Self-weighted subfiles of 10,000 cases are also available for these files.

These subfiles are created by selecting every Nth case, where N is a function of the individual weight. These subfiles are thus designed to approximate a simple random sample of the total population of entering freshmen in the United States. Consequently, analyses of variables from these 10,000 cases approximate population parameters without the need for differential weighting of cases.⁵

Longitudinal files on selected subsamples of students are also available. The follow-up data were obtained from questionnaires mailed to samples of students, including all students from institutions enrolling fewer than 300 freshmen yearly, and to random samples of approximately 300 students

⁴The numbers of subjects and institutions reported here differ from the number reported in the annual ACE national norms reports for 1966, 1967, and 1968 entering freshmen. These discrepancies exist because institutions were omitted from the norms group if (a) a low proportion of entering freshmen in the institution completed the survey and the institution did not adhere to stringent criteria for administration of the survey forms, or (b) in the 1966 and 1967 reports, the institution requested to cooperate in the survey but was not part of the original "draw" in the sample strata.

⁵Further description of the 10K subfiles and precision estimates for analyses based on the files are presented in Creager (1968). It is recommended that these 10K subfiles be generally used for most analyses in order to minimize machine costs and to circumvent the necessity of repeatedly weighting student response data.

from each institution annually enrolling a greater number of freshmen. Weights are also available in these files to adjust for these sampling biases and to compensate for response bias to the follow-up questionnaires. Longitudinal data are currently available in the following student files:

1961 freshmen - 1965 follow-up (N = 30,000)⁶

1966 freshmen - 1967 follow-up (N = 35,000)

A one-eighth sample BCD subfile (based on every eighth subject) is also available for the 1966-1967 longitudinal student file.

Institutional Files

All institutional files contain extensive information aggregated from the student files. In addition, administrative and related data from other sources are available on these files (see the description in the following section, "The Data," for the types of information contained on each file). The following two single-year institutional files are currently available:

1966 (N = 307 institutions)

1967 (N = 359 institutions)

There is some consistent overlap of institutions in all of the files. However, as the number of points in time for which institutional data are required increases, the number of institutions in common decreases. The longitudinal institutional files currently available are:

1961-1962- 1965	(N = 246 four-year accredited institutions only; aggregated data for the same students at three different time points. Administrative data and measures from the Inventory of College Activities (Astin, 1968) are also included.)
--------------------	--

⁶Sample is from four-year accredited institutions only. The follow-up survey was supported by a grant from the National Science Foundation.

1961-1962- 1965-1965- 1966-1967	(N = 44 institutions; subsample of above institutions plus freshmen data from 1965, 1966, and 1967 entering classes.)
1961-1966- 1967	(N = 90 four-year accredited institutions; aggregated data from three separate entering freshman classes.)
1966-1967	(N = 287 institutions; entering freshmen aggregate data from two entering classes plus administrative data.)
1966-1967	(N = 246 institutions; aggregate data from same students at two points in time, plus ICA data (Astin, 1968). Records are reiterated (in proportion to the institutional weights) to correspond with the population distribution of 1,968 institutions so that there are, in fact, 1,968 records instead of 246.)

Future Files

By mid-1969, four additional files will be available through the ACE data bank. These include: (1) the 1968 follow-up of 1967 entering freshmen; (2) the 1968 institutional summary; (3) the 1967-1968 institutional longitudinal file; and (4) the 1966-1967-1968 institutional cross-sectional file.

Other files are also planned. In the 1969-70 academic year, a common follow-up instrument will be administered to the former entering freshmen in 1969, 1968, 1967, and 1966.⁷ This comprehensive survey will provide one-, two-, three-, and four-year longitudinal data respectively for these undergraduate classes in the ACE sample of institutions. These data will also provide additional student information that will be used to expand institutional files. Tape files will be available in the summer of 1970.

⁷ This follow-up of four classes is sponsored by the Carnegie Commission on the Future of Higher Education as part of a collaborative research project.

Other surveys planned for 1969 will involve representative samples of faculty, staff, and graduate students from each of the sample institutions.⁸ The survey instruments for each of these groups will differ, but the items on each, and on the student follow-up questionnaire, will overlap considerably. These data will be available late in 1969.

A comprehensive file on the population of American institutions of higher education is in the process of being developed. This file, consolidating the data available from a large number of organizations which collect and report information relating to higher education, will cover curriculum, enrollment, degrees conferred, endowment, support by government agencies, operating budget, administrative practices, faculty characteristics, control, and community demographic characteristics. It is anticipated that this file will be available by March 1, 1969.

The Data

The data collected in the ACE Cooperative Institutional Research Program are primarily obtained from students through the annual administration of the Freshman Information Form and subsequent follow-up instruments. Figure 2 shows the types of information collected through these instruments which are available for each of the CIRP samples (1966, 1967, and 1968). Some student and institutional data are, however, also obtained from other sources. While response rates are excellent, there is generally a small amount (less than 2 percent) of missing data for any particular item.

⁸ Supported by the Carnegie Commission on the Future of Higher Education as part of a collaborative research project.

Figure 2
Check-List of Items Collected in CIRP
Student Information Forms and Follow-up Instruments

Items	Student Sample Entering College in:		
	1966	1967	1968
Sex	X*	X	X
Age	X	X	X
Racial background	X	X	X
Religious background & preference	X	X	X
State of residence, birthplace of student & parents	X	X	X
Urban--rural background	X**	X**	X
Family size & ordinal position	X	-	-
Being a twin	X	X	X
Parents' educational level	X	X	X
Family income ^a	X	X	X
Parents' occupation	X**	X	X
Type of secondary school	X	-	-
Rating of high school standards	-	-	X
Rank in high school class	-	-	X
Accomplishments in high school	X	X	X
High school dating practices	-	X	-
Degree of high school friendships	-	X	-
Average secondary school grade	X	X	X
Activities and behaviors ^b	X*	X*	X
Pre-college study habits	-	-	X
Competencies currently have or would like	-	X*	-
Chances certain events will occur in future ^c	X	X	X
Values (life goals) ^d	X*	X	X
Self-rating on selected traits	X*	-	-
Attitudes on controversial issues ^b	-	X*	X
Influences on college choice ^e	X	X	X
Other college applications & acceptances	-	X	X
Degree aspiration	X*	X	X
Concern for financing college	X	X	X
Financial source for first year of college ^f	X*	X*	X
Field choices ^g	X	X*	X
Career choices ^h	X*	X	X
Assessment of college psychological climate	X*	-	-
Assessment of college environment	X*	-	-
Transfer or drop-out status	X**	X*	X
Average first-year college grade	X**	X**	-

Figure 2 (continued)
 Check-List of Items Collected in CIRP
 Student Information Forms and Follow-up Instruments

Items	Student Sample Entering College in:		
	1966	1967	1968
Amount of college completed after one year	X**	X**	-
If not full-time second year student, reason for status	X**	X**	-
Place of residence at college	X**	X**	-
Distance from college residence to class	-	X**	-
Presence of college roommate	-	X**	-
Field of study of acquaintances	-	X**	-
Earned income in college	X**	-	-
Amount of opportunity for specified activities in college ⁱ	X**	X**	-
Accomplishments and experiences in college ^b	X**	X**	-
Evaluation of classroom experiences in major field ^j	X**	X**	-
Membership in college organizations	X**	X**	-
Frequency of use of college counselors ^b	X**	X**	-
College policy in various activities	X**	-	-
Overall evaluation of college	X**	X**	-

*Item also repeated in the same or modified form at time of one-year follow-up. Thus, these data are basically test-retest items.

**Item collected at time of one-year follow-up; available only on longitudinal files currently in data accessing system. It is also planned to repeat most of these same items in the 1969 follow-up of the 1968 sample.

^aIncludes nine categories each year, and an additional category, "I have no idea," in 1967.

^bMajor variations in lists for each sample.

^cIncludes 15 items in 1967 and 1968; only item on chances for marriage in 1966.

^dSeventeen items on importance of achievements common to all three samples; item on "developing a meaningful philosophy of life" only in 1967 and 1968.

^eThirteen common influential sources listed in 1967 and 1968; 1966 form is different and lists 7 response categories.

^fLists level of support from each of 4 sources in 1967 and 1968; 1966 form lists 9 sources.

^gList of 66 major fields; responses indicate first, second, and least appealing choices.

^h1966 form includes first, second, and least appealing choices; 1967 and 1968 form only has the "probable career occupation."

ⁱTen items common to both 1966 and 1967 follow-up surveys; four additional items relating to course offerings included for 1967 sample.

^jFourteen items common to both 1966 and 1967 follow-up surveys; seven additional items included for 1967 sample.

Student Information Form

The Freshman Information Form has two functions: first, to obtain standard data for immediate informational purposes; and, second, to obtain student input data for research purposes. Thus, the form contains relatively standard biographic and demographic items which are repeated with each new entering class (sex, race, religion, state of birth, parents' income and occupation, high school record, and so on), but it also includes items relating to educational and vocational plans, self-ratings, achievements, skills, values, interests, preferences, competencies, aspirations, and behavior. A number of these last items are more research-oriented ones which can be modified periodically to satisfy a wide range of research concerns. This controlled variation of the questionnaires in successive years represents a compromise between the requirements of standardization and comparability of obtained information, on the one hand, and, on the other, the desirability of maintaining flexibility to accommodate changing research interests and tactics. Copies of the Freshman Information Forms for each freshman class in the ACE data bank are shown in Appendix B.

Follow-up Information

Follow-up information on representative samples of the surveyed freshmen are obtained from two sources: (1) directly from the students, and (2) from registrars' report forms. Specifically, the registrar reports the student's SAT and ACT scores (if available), his cumulative grade point average for the freshman year, and on whether he has re-enrolled at the institution for his second year of study.

Student follow-up information consists largely of post-tests on the items administered previously in the Freshman Information Form. Additional

items cover the student's experience at his institution during the freshman year, including his perception of the college environment. Information collected in the follow-up forms can also be used to determine and monitor trends in student attrition, rates of transfer, career choices, and plans for pursuing further training. Copies of the three follow-up forms which have already been administered to former freshmen are shown in Appendix C.⁹

Institutional Information

The institutional files are based on aggregated data from the entering student questionnaires, the student follow-up items relevant to institutional experiences, and college data derived from independent sources. Thus, each institution is characterized by its demographic and administrative traits, the characteristics of its students, and its environmental milieu. A fairly complete array of the types of institutional environmental variables available on these files is shown in Figure 3.

Additional descriptions of the data collection procedures and item specification can be found in the ACE Research Reports listed on the back of this booklet.

Data Specifications

File specifications, including file layout, variable identification, and distributions on each variable, are available for each file in the ACE data bank.¹⁰ The researcher who anticipates using these data should verify that the information he requires is available by checking the items shown in Figures 2 and 3 and in the appropriate questionnaires shown in the appendices. Once the researcher has determined which file he requires,

⁹The 1962 follow-up data for the 1961 freshmen and the 1966 follow-up data for the 1965 freshmen were obtained only from the registrars' report form.

¹⁰It is anticipated that the documentation of GROSS binary tapes for all files in the ACE data bank will be published by April, 1969.

Figure 3
Environmental Variables Used in the ACE Program of Longitudinal Research

- I Administrative Characteristics
 - A. Sex (men's, women's, or coed)
 - B. Type (university, liberal arts college, teachers college, or technical institution)
 - C. Control (private, private-nonsectarian, Protestant, or Catholic)
 - D. Geographic region
 - E. Size
 - F. Affluence or wealth
 - G. Selectivity

- II Environmental Stimulus Factors*
 - A. The Peer Environment
 - 1. Competitiveness versus cooperativeness
 - 2. Organized dating
 - 3. Independence
 - 4. Cohesiveness
 - 5. Informal dating
 - 6. Femininity
 - 7. Drinking versus religiousness
 - 8. Musical-artistic activities
 - 9. Leisure time
 - 10. Career indecision
 - 11. Regularity of sleeping habits
 - 12. Use of the library
 - 13. Conflict with regulations
 - 14. Student employment
 - 15. Use of automobiles
 - B. The Classroom Environment
 - 16. Involvement in the class
 - 17. Verbal aggressiveness
 - 18. Extroversion of the instructor
 - 19. Familiarity with instructor
 - 20. Organization in the classroom
 - 21. Severity of grading
 - C. The Administrative Environment
 - 22. Severity of administrative policy against drinking
 - 23. Severity of administrative policy against aggression
 - 24. Severity of administrative policy against heterosexual activity
 - 25. Severity of administrative policy against cheating
 - D. The Geographic Environment and Living Quarters
 - 26. Spread of campus
 - 27. Friendliness of the dorm counselor or housemother

- III The College Image*
 - 1. Academic competitiveness
 - 2. Concern for the individual student
 - 3. School spirit
 - 4. Permissiveness
 - 5. Snobbishness
 - 6. Emphasis on athletics
 - 7. Flexibility of the curriculum
 - 8. Emphasis on social activities

*From the Inventory of College Activities (ICA) reported by Astin (1968).

he should write to the Office of Research, requesting a copy of the documentation of the file and specifying the particular file type (student or institution) and cohort (year). Such documentation is necessary in order to prepare the "set-up" (control) cards which must be submitted with each request for analyses (see below).

ACE Software and Hardware Capability

The Office of Research of the American Council on Education has developed a highly generalized computer program "package" for data processing and analyses. This software system is designed to run on some of the most advanced computing machinery now available. Both the software and hardware capabilities will be subject to future modification and up-grading to accommodate more complex requests for analyses and more rapid processing of data files.

Software

The ACE computer programmed data accessing system (GROSS) is currently operational for limited research strategies. The present capabilities of this software "package" involve three major operations: (1) recoding and redefinition of variables; (2) n-dimensional cross-tabulations (including frequencies and percentage distributions); and (3) summary statistics and nonparametric statistics based on distributional results. An overview of the capabilities and limitations of GROSS, together with a description of the necessary control card set-up for simple problems, is given in Appendix D. Although an automated data accessing system such as this one requires the potential user to fit his special requests to the available file arrangement and software, it has the advantage of permitting easy and rapid access to the files and of requiring the user to define his requests in very explicit terms.

The researcher intending to use the ACE data bank should provide the appropriate GROSS control cards required for his particular objectives. The complete GROSS manual, which specifies control card set-up, is available on request from the ACE Office of Research. The summary description and instructions provided in Appendix D should, however, be sufficient for most data accessing needs.

Modifications of the GROSS system, including preparation of subprograms and subroutines, is now underway. By late 1969, the ACE data accessing system should be able to accommodate requests for match/merge of ACE files, correlation matrices, stepwise regression analysis, factor analysis, and other related statistical calculations.

Hardware

All analyses are performed on equipment available through a subcontractual arrangement with Control Data Corporation (Rockville, Maryland, Data Center). All computer analyses are coordinated by ACE, and the hardware used in fulfilling a particular request is determined by ACE staff, commensurate with the objectives of providing expedited turn-around time for completion of work requests and of keeping computer costs at a minimum. The following hardware configurations are utilized: CDC 160A, 3200, 3600, 6600 computers, and related peripheral equipment.

Data Accessing Policy

Once the researcher has determined which file in the ACE data accessing system he wishes to use, he should write to the ACE Office of Research for the appropriate file documentation. This information is necessary in order to prepare the materials needed in submitting a data accessing request. This section describes these materials and the ACE procedures for determining

time and cost estimates for completion of the request. Only requests which meet these specifications will be considered; and each request must involve only one tape file and one machine pass. All analyses will be in the form of computer print-out; no punch cards or magnetic tapes are provided as a final output mode.

Procedures for a Request

Because the personnel resources of the ACE Office of Research are limited, only those research problems which demand minimal staff involvement can be accepted. REQUESTS FOR ANALYSES SHOULD CONFORM TO THE LIMITATIONS OF THE EXISTING AVAILABLE FILES AND TO THE GROSS SYSTEM. ALL REQUESTS SHOULD BE ACCOMPANIED BY GROSS CONTROL CARDS.

In addition to the GROSS control cards, the user should provide 25 copies of a one-page summary of his research plans. This abstract should contain: (1) name and address of the investigator; (2) an outline of the proposed analyses, including a listing of all variables; (3) an enumeration of the hypotheses (if any); and (4) a statement of the research objectives. These abstracts will be periodically added as an appendix to future issues of this manual in order to reduce duplication of efforts by subsequent users. A copy of any computer print-out which is provided by ACE will be maintained by the data library of the Office of Research. Users should also provide the data library of the Office of Research with four reference copies of any written document which is based, wholly or in part, on data derived from the ACE data bank.

A completed copy of the User Request Form (Figure 4) must also accompany the abstract and GROSS control cards. The request will be checked for consistency and, if no discrepancies are apparent, ACE will proceed with debug-

Figure 4

ACE DATA BANK USER REQUEST FORM

Date: _____

Name of Responsible Investigator: _____
(please print or type)

Institutional Affiliation: _____

Address: _____

(City) (State) (zip)

Institutional Phone Number: _____
(area code) (number) (ext.)

Tentative Title of Study: _____

Name of ACE Tape File To Be Analyzed
(one file only): _____

Number of Gross Control Cards Submitted (one run only): _____

Estimated Number of Separate Tables of Print-Out: _____

(To be filled out by ACE after debugging of GROSS control cards)

Control Card Information Agrees with Estimate of Number of Tables: Yes No

Estimated Number of Pages of Print-Out: _____

Cost of Debugging: (Fee) \$100 _____

(Machine Charges) _____

(Total Due) _____

Estimated Total Cost of Analyses: _____

Estimated Completion Date: _____

Return this form, with a one page abstract of intended analyses (25 copies) and a set of GROSS control cards to: Director, Data Bank Services, Office of Research, American Council on Education, 1785 Massachusetts Avenue, N.W., Washington, D.C. 20036.

ging of the GROSS control cards. Charges for debugging will then be made (see the following section, "Charges," for estimated costs) and ACE will submit to the investigator estimates of the number of pages of print-out, the cost of analyses, and the estimated completion date. Upon receipt of authorization by the investigator to proceed, ACE will complete the analyses.

Without exception, all data analyses will be provided as print-out and only in statistical form. ACE practice is to maintain institutional and student identifying information in completely separate, bonded files. These files are not available for analyses; they are unlocked only to print mailing labels for follow-up studies. Follow-up information is linked with prior information by means of an arbitrary student I.D. number which is coded on the follow-up questionnaire. In the event that data additional to that already available on tape file is desired, researchers are encouraged to provide the Staff of the Office of Research with suggested items which will be considered for inclusion in a future follow-up or freshman survey form.

Charges

Upon receipt of the User Request Form, the GROSS control cards, and 25 copies of the abstract, ACE will check for discrepancies and, if there are no inconsistencies, proceed with the GROSS control card debug. A standard setup fee of \$100 is charged to defray administrative and personnel costs for this service. The costs for computer time in debug will be added to this fee. Machine time for each separate debug run is approximately \$30. The number of runs will depend upon the complexity of the request and the care with which the GROSS control cards are prepared. For relatively simple problems one debug run should normally suffice.

The charges for the analyses are based on the amount of machine time used. These charges will be billed on a machine-time cost-reimbursable basis, plus a 25 percent fee added to help defray the costs of improvements in file management, file development, and data accessing capabilities. Costs for machine time are directly related to the type of computer used, the number of calculations requested, the sample size on file (record length and number of records), and the form of the tape file.

Please address all inquiries to:

DIRECTOR, DATA BANK SERVICES
OFFICE OF RESEARCH
AMERICAN COUNCIL ON EDUCATION
1785 MASSACHUSETTS AVENUE, N.W.
WASHINGTON, D.C. 20036

References

Astin, Alexander W. Who Goes Where to College? Chicago: Science Research Associates, 1965.

_____. The College Environment. Washington: American Council on Education, 1968.

_____; and Panos, Robert J. "A National Research Data Bank for Higher Education," The Educational Record, 47: 5-17; 1966.

_____; and _____; and Creager, John A. "National Norms for Entering College Freshmen--Fall 1966," ACE Research Reports, Vol. 2, No. 1, American Council on Education, 1967.

Creager, John A. "General Purpose Sampling in the Domain of Higher Education," ACE Research Reports, Vol. 3, No. 2, American Council on Education, 1968.

_____; Astin, Alexander W.; Boruch, Robert F.; and Bayer, Alan E. "National Norms for Entering College Freshmen--Fall 1968," ACE Research Reports, Vol. 3, No. 1, American Council on Education, 1968.

Panos, Robert J.; and Astin, Alexander W. "A Profile of Entering 1965 College Freshmen," College and University, 42: 160-174; 1967.

_____; _____; and Creager, John A. "National Norms for Entering College Freshmen--Fall 1967," ACE Research Reports, Vol. 2, No. 7, American Council on Education, 1967.

Appendix A

Sampling Design for Institutions in the ACE
Cooperative Institutional Research Program

Appendix A-1 1966 Freshman Sampling Design

Appendix A-2 1967 Freshman Sampling Design

Appendix A-3 1968 Freshman Sampling Design

Appendix A-1

1966 Stratification and Sampling Design

Stratification Cell For Sampling	Number of Institutions Participants	Used In		Cell Weights* Applied To Data Collected from	
		Popu- lation	Total	Norms	Men
<u>2-Year Public Colleges</u>					
Enrollment:					
1. less than 500	111	6	3	25.7	23.5
2. 500-999	99	3	3	36.8	32.5
3. 1000-2499	108	6	5	22.1	21.8
4. 2500-4999	40	4	4	8.8	9.3
5. 5000 or more	35	5	4	7.3	7.0
<u>2-Year Private Colleges</u>					
Enrollment:					
6,7. less than 1000	173	6	5	45.4	25.1
8,9. 1000 or more	27	5	5	4.6	6.3
<u>4-year Colleges</u>					
Expenditures:**					
10. Unknown	254	9	9	3.0	3.2
11. less than \$750	109	23	21	7.5	7.4
12. \$750-999	234	20	15	16.7	15.4
13. \$1000-1249	236	23	19	13.8	14.9
14. \$1250-1499	160	26	23	6.2	8.0
15. \$1500-1749	78	19	19	3.9	5.5
16. \$1750-1999	51	24	21	4.0	2.6
17. \$2000-2249	21	9	5	8.9	5.8
18. \$2250-2499	20	10	8	8.9	5.8
19. \$2500 or more	39	21	18	2.0	2.4
<u>Universities</u>					
Expenditures:**					
20. Unknown	14	3	2	8.1	7.4
21. less than \$750	10	4	4	2.1	2.4
22. \$750-999	7	4	3	1.7	2.2
23. \$1000-1249	18	6	5	2.6	3.5
24. \$1250-1499	24	11	9	2.6	2.6
25. \$1500-1749	11	5	5	2.9	2.5
26. \$1750-1999	24	15	10	2.4	2.2
27. \$2000-2249	20	17	12	1.7	1.7
28. \$2250-2499	13	5	4	2.4	3.5
29. \$2500 or more	32	18	10	3.3	3.5

* Ratio between the number of 1965 first-time students enrolled in all colleges and the number of 1965 first-time students enrolled at colleges in the ACE sample.

**Per student expenditures for educational and general purposes.

Appendix A-2

1967 Stratification and Sampling Design

Stratification Cell for Sampling	Number of Institutions Participants			Cell Weights* Applied to Data Collected From	
	Popu- lation	Total	Used in Norms	Men	Women
<u>2-Year Public Colleges</u>					
Enrollment:					
1. Less than 500	146	5	3	53.4	33.2
2. 500-999	124	9	5	27.8	39.5
3. 1000-2499	156	20	13	13.2	12.6
4,5. 2500 or more	58	8	6	8.5	8.0
<u>2-Year Private Colleges</u>					
Enrollment:					
6,7. Less than 1000	221	15	14	16.5	12.2
8,9. 1000 or more	25	5	5	3.7	6.0
<u>4-Year Colleges</u>					
Expenditures:**					
10. Unknown	263	10	7	87.4	37.6
11. Less than \$750	119	25	20	8.1	9.0
12. \$750-999	233	28	19	14.6	13.2
13. \$1000-1249	239	28	19	15.3	14.5
14. \$1250-1499	156	26	22	6.3	8.7
15. \$1500-1749	77	22	19	4.7	5.8
16. \$1750-1999	50	23	17	3.7	2.4
17. \$2000-2249	22	13	6	10.3	4.0
18. \$2250-2499	20	13	8	3.7	1.9
19. \$2500 or more	39	22	18	2.0	2.5
<u>Universities</u>					
Expenditures:**					
20. Unknown ***	----	----	----	----	----
21. Less than \$750	9	3	3	2.9	2.8
22. \$750-999	9	4	3	2.0	2.9
23. \$1000-1249	27	9	4	3.3	4.0
24. \$1250-1499	33	11	7	3.7	4.2
25. \$1500-1749	12	5	4	3.0	3.2
26. \$1750-1999	39	13	7	3.4	3.1
27. \$2000-2249	36	20	13	2.8	2.8
28. \$2250-2499	31	6	4	4.1	3.8
29. \$2500 or more	43	16	6	8.3	8.4

* Ratio between the number of 1966 first-time students enrolled in all colleges and the number of 1966 first-time students enrolled at colleges in the ACE sample. These weights were further adjusted to correct for nonparticipation of individuals within colleges.

** Per-student expenditures for educational and general purposes.

*** For the 1967 survey, data for this stratification cell were available for all universities in the population.

Appendix A-3

1968 Stratification and Sampling Design

Stratification Cell for Sampling	Number of Institutions Participants			Cell Weights* Applied to Data Collected From	
	Popu- lation	Total	Used in Norms	Men	Women
<u>Universities</u>					
Selectivity:					
1. Less than 500	30	12	10	2.6	2.7
2. 500-549	39	19	15	2.6	2.7
3. 550-599	45	20	15	3.7	3.3
4. 600 or more	50	30	25	2.2	2.2
5. Unknown	130	26	11	8.0	8.9
<u>4-Year Public Colleges</u>					
Selectivity:					
6,9. Less than 450 and unknown	154	12	10	20.2	18.2
7. 450-499	67	11	9	8.9	7.4
8. 500 or more	73	17	14	4.1	6.5
<u>4-Year Private Non-sectarian</u>					
Selectivity:					
10,14. Less than 500 and unknown	197	30	24	8.4	5.8
11. 500-574	44	9	7	6.0	6.2
12. 575-649	54	18	18	3.0	2.9
13. 650 or more	48	29	27	1.6	1.9
<u>4-Year Roman Catholic</u>					
Selectivity:					
15,18. Less than 500 and unknown	111	19	15	9.8	6.3
16. 500-574	75	14	13	5.3	6.7
17. 575 or more	42	16	15	5.8	3.3
<u>4-Year Protestant</u>					
Selectivity:					
19,23. Less than 450 and unknown	119	16	14	7.2	9.7
20. 450-499	54	7	7	6.7	9.1
21. 500-574	68	13	13	6.2	6.4
22. 575 or more	48	14	14	2.9	2.8
<u>2-Year Colleges</u>					
24,25. Selectivity less than 400	87	7	4	32.9	33.6
26. Selectivity 400-499	63	13	11	6.9	5.9
27. Selectivity 450 or more	57	9	8	6.0	6.9
28,29. Expenditures**/less than \$1000	192	19	12	24.6	22.6
30. Expenditures**/\$1000-\$1249	39	5	4	3.3	4.3
31. Expenditures**/\$1250 or more	52	7	7	6.7	5.4
32,33. Selectivity or Expenditures unknown	272	22	17	12.4	13.7
<u>Predominantly Negro Colleges</u>					
34. Public	38	7	7	7.7	6.9
35. Private	55	14	12	4.4	4.4

* Ratio between the number of 1967 first-time students enrolled in all colleges and the number of 1967 first-time students enrolled at colleges in the ACE sample. These weights were further adjusted to correct for nonparticipation of individuals within colleges.

** Per-student expenditures for educational and general purposes.

Appendix B

Entering Freshman Student Information Forms

Appendix B-1 1961 Freshman Form

Appendix B-2 1965 Freshman Form

Appendix B-3 1966 Freshman Form

Appendix B-4 1967 Freshman Form

Appendix B-5 1968 Freshman Form

63/61

Appendix B-1

1961 Student Information Form

FRESHMAN INFORMATION FORM Fall 1961										201274	7-12
Name:	Last	First	Middle	Circle one:							13
				Male 1	Fem. 2						
Home Address:	Number and Street			City	Zone	State					
Size of your high school graduating class (circle one):	Less than 50 (1)	50-99 (2)	100-199 (3)	200-299 (4)	300-399 (5)	400-499 (6)	500-599 (7)	600+ (8)		14	
Your high school average (circle one):	D (1)	C (2)	C+ (3)	B- (4)	B (5)	B+ (6)	A- (7)	A (8)	A+ (9)	15	
Probable major field in college:										16-17	
Highest degree planned (circle one):	Less than BA or BS (1)	BA (2)	MA (3)	PhD (4)	MD (4)	LLB (4)	Other: _____ (5)			18	
Probable future occupation:										19-20	
Father's education (circle one):	Grammar school (1)	Some high school (2)	H. S. grad. (3)	Some college (4)	College degree (5)	Post-grad. degree (6)			21		
Father's occupation:										22-23	
Indicate whether you have achieved any of the following by underlining the appropriate words. On the line before any item you underline, indicate the number of times you have achieved it.											
First, second, or third place in:school science contest;regional or state science contest;national science contest										24	
.....leads in high school or church sponsored plays;first, second, or third in regional or state speech or debate contest;first, second, or third in national speech or debate contest										25	
.....elected to one or more student offices;elected president of my class;received award or special recognition for leadership of any kind										26	
.....participated in national music contest; received a rating of "good" or "excellent" in:state music contest;national music contest										27	
.....won a prize or award in art competition (sculpture, ceramics, painting, etc.); exhibited or performed a work of art (painting, musical composition, sculpture) at: my school;place other than my school										28	
.....edited school paper or literary magazine;had poems, short stories, or articles published in public newspaper or magazine (not school paper) or in state or national high school anthology;won literary award or prize for creative writing										29	

Appendix B-2

1965 STUDENT INFORMATION FORM

Note: The information in this questionnaire is being collected as part of a study of the characteristics of this year's entering class. Please complete all items. Your responses will be kept *entirely confidential* and used only in group comparisons for research purposes.

Your name (please print) _____
Last First Middle or Maiden

Home street address _____
City State

Social Security Number:
 (leave blank if you have no number)

--	--	--	--	--	--	--	--

In case you should move from the above address, please give the name and address of a close friend or relative who would be likely to know your whereabouts:

Name of friend or relative (please print) _____

Street address _____
City State

1. What occupation do you plan to pursue as a career? _____

2. What is your probable major field of study? _____

3. The following activities cut across a number of jobs. Which ones do you anticipate will be part of your long-run career work? (Circle one answer for each activity)

Activity	A Major Part of My Job	A Minor Part of My Job	Not a Part of My Job
Teaching.....	1	2	3
Research and development.....	1	2	3
Administration or management.....	1	2	3
Service to patients or clients.....	1	2	3
Personal service to an organization or employer.....	1	2	3

4. Answer if female:

In the long run which one of the following do you really prefer and which one do you realistically expect? (Circle only one choice in each column)

	Prefer	Expect
Housewife only.....	1	1
Housewife with occasional employment.....	2	2
Housewife for a few years, employment later.....	3	3
Housewife with regular employment.....	4	4
Employment only.....	5	5

5. What is the highest academic degree that you intend to obtain? (Circle one)

- None..... 1
- Associate (or equivalent)..... 2
- Bachelor's degree (B.A., B.S., etc.)..... 3
- Master's degree (M.A., M.S., etc.)..... 4
- Ph.D. or Ed.D..... 5
- M.D., D.D.S., or D.V.M..... 6
- LL.B. or J.D..... 7
- B.D..... 8
- Other..... 9

(specify)

6. To how many colleges other than this one did you actually apply for admission? From how many did you receive acceptances? (Circle one number in each column)

	Number of Applications	Number of Acceptances
No other.....	0	0
One.....	1	1
Two.....	2	2
Three.....	3	3
Four.....	4	4
Five.....	5	5
Six or more.....	6	6

7. Of the other colleges to which you applied, are there any which you would have preferred to attend? (Circle one)

- Yes, one other..... 1
- Yes, two others..... 2
- Yes, three (or more) others..... 3
- No..... 4

8. From what kind of secondary school did you graduate? (Circle one)

- Public..... 1
- Roman Catholic..... 2
- Protestant denominational..... 3
- Jewish..... 4
- Military..... 5
- Private (nondenominational, nonmilitary)..... 6
- Other (specify)..... 7

Name of above school:

Located in:

City

State

9. What was your average grade in secondary school? (Circle one)

- A or A+..... 1
- A-..... 2
- B+..... 3
- B..... 4
- B-..... 5
- C+..... 6
- C..... 7
- D..... 8

10. How old will you be on December 31 of this year?

--	--

11. What is your racial background? (Circle one)

- Caucasian..... 1
- Negro..... 2
- American Indian..... 3
- Oriental..... 4
- Other..... 5

12. (If you are married, skip the following question) What is your best guess as to the chances that you will marry

	While in College?	Within a Year after College?
Very good chance.....	1	1
Some chance.....	2	2
Very little chance.....	3	3
No chance.....	4	4

13. Circle one in each column below:

	Religion in Which You Were Reared	Your Present Religious Preference
Protestant.....	1	1
Roman Catholic.....	2	2
Jewish.....	3	3
Other.....	4	4
None.....	5	5

14. What is the highest level of formal education obtained by your parents? (Circle one in each column)

	Father	Mother
Grammar school or less.....	1	1
Some high school.....	2	2
High school graduate.....	3	3
Some college.....	4	4
College degree.....	5	5
Postgraduate degree.....	6	6

15. Are you:
- The first-born (or only) child? 1
 - The second-born? 2
 - The third-born? 3
 - Fourth- (or later) born? 4

17. Please indicate the state (or foreign country) in which your parents were born:

Father _____

Mother _____

16. How many brothers and sisters do (did) you have?
(If ten or more, write "9.")

18. What is your best estimate of the total income last year of your parental family (not your own family if you are married)? Consider annual income from all sources before taxes.

Less than \$4,000.....	1	\$15,000-\$19,999.....	6
\$4,000-\$5,999.....	2	\$20,000-\$24,999.....	7
\$6,000-\$7,999.....	3	\$25,000-\$29,999.....	8
\$8,000-\$9,999.....	4	\$30,000 or more.....	9
\$10,000-\$14,999.....	5		

19. Do you have any concern about your ability to finance your college education?

- None (I am confident that I will have sufficient funds)..... 1
- Some concern (but I will probably have enough funds)..... 2
- Major concern (not sure I will be able to complete college)..... 3

20. The following questions deal with accomplishments that might possibly apply to your high school years. Do not be discouraged by this list; it covers many areas of interest and few students will be able to say "yes" to many items. (Circle items that apply)

- Was elected president of one or more student organizations (recognized by the school)..... 1
- Received a high rating (Good, Excellent) in a **state** music contest..... 1
- Participated in a **state** or **regional** speech or debate contest..... 1
- Had a major part in a play..... 1
- Won a varsity letter (sports)..... 1
- Won a prize or award in an art competition..... 1
- Edited the school paper, yearbook, or literary magazine..... 1
- Had poems, stories, essays, or articles published..... 1
- Participated in a National Science Foundation summer program..... 1
- Placed (first, second, or third) in a **regional** or **state** science contest..... 1
- Was a member of a scholastic honor society..... 1
- Won a Certificate of Merit or Letter of Commendation in the National Merit Program..... 1

21. While attending high school, did you:

- Date one steady girl friend (boy friend)..... 1
- Have a series of steady girl friends (boy friends)..... 2
- Date a few different girls (boys), but none steadily.... 3
- Pretty much play the field..... 4
- Seldom or never date..... 5

22. What was the frequency of your dates during the **past year**? Indicate the average number of dates of each type that you had **per month**. If less than one every two months, write in "00." (If married, indicate the number of times you and your spouse went out together to these events.) Write in preceding zeros (e.g., "four" would be "04").

Casual coke,
coffee, or
study dates
(No. per month)

Informal dates to
movies, student
gatherings, etc.
(No. per month)

Formal dates
to dances and
big parties
(No. per month)

23. Below is a general list of things that high school students sometimes do. Indicate which of these things you did during the past year in school. If you engaged in an activity frequently, circle "1." If you engaged in an activity one or more times, but not frequently, circle "2" (occasionally). Circle "3" (not at all) if you have not performed the activity during the past year. (Circle one for each item)

	Frequently	Occasionally	Not at all		Frequently	Occasionally	Not at all
Voted in a student election.....	1	2	3	Checked out a book or journal from the school library..	1	2	3
Came late to class.....	1	2	3	Went to the movies.....	1	2	3
Listened to New Orlean's (Dixieland) jazz.....	1	2	3	Discussed how to make money with other students.....	1	2	3
Gambled with cards or dice.....	1	2	3	Said grace before meals.....	1	2	3
Played a musical instrument.....	1	2	3	Prayed (not including grace before meals).....	1	2	3
Took a nap or rest during the day.....	1	2	3	Listened to folk music.....	1	2	3
Drove a car.....	1	2	3	Attended a public recital or concert.....	1	2	3
Stayed up all night.....	1	2	3	Made wisecracks in class.....	1	2	3
Studied in the library.....	1	2	3	Arranged a date for another student.....	1	2	3
Attended a ballet performance.....	1	2	3	Went to an over-night or week-end party.....	1	2	3
Participated on the speech or debate team.....	1	2	3	Took weight-reducing or dietary formula.....	1	2	3
Acted in plays.....	1	2	3	Drank beer.....	1	2	3
Sang in a choir or glee club.....	1	2	3	Overslept and missed a class or appointment.....	1	2	3
Argued with other students.....	1	2	3	Typed a homework assignment.....	1	2	3
Called a teacher by his or her first name.....	1	2	3	Participated in an informal group sing.....	1	2	3
Wrote an article for the school paper or literary magazine.	1	2	3	Drank wine.....	1	2	3
Had a blind date.....	1	2	3	Cribbed on an examination.....	1	2	3
Wrote a short story or poem (not for a class).....	1	2	3	Turned in a paper or theme late.....	1	2	3
Played in a school band.....	1	2	3	Tried on clothes in a store without buying anything.....	1	2	3
Played in a school orchestra.....	1	2	3	Asked questions in class.....	1	2	3

24. Rate yourself on each of the following traits as you really think you are when compared with the average student of your own age. We want the most accurate estimate of how you see yourself. (Circle the number in the appropriate column)

Trait	Highest 10 Percent	Above Average	Average	Below Average	Lowest 10 Percent
Academic ability.....	5	4	3	2	1
Athletic ability.....	5	4	3	2	1
Artistic ability.....	5	4	3	2	1
Cheerfulness.....	5	4	3	2	1
Defensiveness.....	5	4	3	2	1
Drive to achieve.....	5	4	3	2	1
Leadership ability.....	5	4	3	2	1
Mathematical ability.....	5	4	3	2	1
Mechanical ability.....	5	4	3	2	1
Originality.....	5	4	3	2	1
Political conservatism.....	5	4	3	2	1
Political liberalism.....	5	4	3	2	1
Popularity.....	5	4	3	2	1
Popularity with the opposite sex.....	5	4	3	2	1
Public speaking ability.....	5	4	3	2	1
Self-confidence (intellectual).....	5	4	3	2	1
Self-confidence (social).....	5	4	3	2	1
Sensitivity to criticism.....	5	4	3	2	1
Stubbornness.....	5	4	3	2	1
Understanding of others.....	5	4	3	2	1
Writing ability.....	5	4	3	2	1

Prepared by American Council on Education
1785 Massachusetts Ave., N.W.
Washington, D.C.

Appendix B-3

1966 STUDENT INFORMATION FORM

YOUR NAME (please print) _____
First Middle or Maiden Last

HOME STREET ADDRESS _____

CITY _____ STATE _____ ZIP CODE (if known) _____

513206										
0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9	9

Note: The information in this report is being collected through the American Council on Education as part of a study of this year's entering class. Please complete all items. Your name and address has been requested in order to facilitate mail follow-up studies. Your responses will be used only in group summaries for research purposes, and will not be identified with you individually.

Social Security Number
(if known)

--	--	--	--	--	--	--	--	--

If you recently took any of the national achievement tests and happen to remember your score, fill in the appropriate information:

	Score		Score
SAT Verbal	<input type="text"/>	ACT Composite	<input type="text"/>

Date of Birth _____
Month Day Year

SAT Math	<input type="text"/>	NMSC Selection Score	<input type="text"/>
----------	----------------------	----------------------	----------------------

DIRECTIONS: Your responses will be read by an automatic scanning device. Your careful observance of these few simple rules will be most appreciated.

Use only black lead pencil (No. 2½ or softer).
 Make heavy black marks that fill the circle.
 Erase cleanly any answer you wish to change.
 Make no stray markings of any kind.

Example: Will marks made with ball pen or fountain pen be properly read?
 Yes No

1. Your Sex: Male Female

2. From what kind of secondary school did you graduate?
 (Mark one)
 Public
 Private (denominational)
 Private (nondenominational)
 Other

3. What was your average grade in secondary school?
 (Mark one)
 A or A+ B-
 A- C+
 B+ C
 B D

4. What is the highest academic degree that you intend to obtain? (Mark one)

- None
- Associate (or equivalent)
- Bachelor's degree (B.A., B.S., etc.)
- Master's degree (M.A., M.S., etc.)
- Ph.D. or Ed.D.
- M.D., D.D.S., or D.V.M.
- LL.B. or J.D.
- B.D.
- Other

5. The following questions deal with accomplishments that might possibly apply to your high school years. Do not be discouraged by this list: it covers many areas of interest and few students will be able to say "yes" to many items.

(Mark all that apply)

- Was elected president of one or more student organizations (recognized by the school)
- Received a high rating (Good, Excellent) in a state or regional music contest
- Participated in a state or regional speech or debate contest
- Had a major part in a play
- Won a varsity letter (sports)
- Won a prize or award in an art competition
- Edited the school paper, yearbook, or literary magazine
- Had poems, stories, essays, or articles published
- Participated in a National Science Foundation summer program
- Placed (first, second, or third) in a state or regional science contest
- Was a member of a scholastic honor society
- Won a Certificate of Merit or Letter of Commendation in the National Merit Program

6. Do you have any concern about your ability to finance your college education? (Mark one)

- None (I am confident that I will have sufficient funds).....
- Some concern (but I will probably have enough funds).....
- Major concern (not sure I will be able to complete college).....

7. Through what source do you intend to finance the first year of your undergraduate education?

(Mark one for each item)

- | | | | |
|---|-----------------------|-----------------------|-----------------------|
| | <i>Major Source</i> | <i>Minor Source</i> | <i>Not a Source</i> |
| Employment during college | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Employment during summer | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Scholarship | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| G. I. Bill | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Personal savings | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Tuition deferment loan from college | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Parental aid | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Federal government | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Commercial loan | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

8. What is your racial background? (Mark one)

- Caucasian
- Negro
- American Indian
- Oriental
- Other

9. What is the highest level of formal education obtained by your parents? (Mark one in each column)

- | | | |
|---------------------------|-----------------------|-----------------------|
| | Father | Mother |
| Grammar school or less .. | <input type="radio"/> | <input type="radio"/> |
| Some high school..... | <input type="radio"/> | <input type="radio"/> |
| High school graduate.... | <input type="radio"/> | <input type="radio"/> |
| Some college..... | <input type="radio"/> | <input type="radio"/> |
| College degree | <input type="radio"/> | <input type="radio"/> |
| Postgraduate degree | <input type="radio"/> | <input type="radio"/> |

10. What is your best estimate of the total income last year of your parental family (not your own family if you are married)? Consider annual income from all sources before taxes.

- | | |
|--|--|
| Less than \$4,000. <input type="radio"/> | \$15,000-\$19,999. <input type="radio"/> |
| \$4,000-\$5,999. <input type="radio"/> | \$20,000-\$24,999. <input type="radio"/> |
| \$6,000-\$7,999. <input type="radio"/> | \$25,000-\$29,999. <input type="radio"/> |
| \$8,000-\$9,999. <input type="radio"/> | \$30,000 or more <input type="radio"/> |
| \$10,000-\$14,999. <input type="radio"/> | |

11. Mark one in each column below:

- | | | |
|---------------------|-----------------------------------|-----------------------------------|
| | Religion in Which You Were Reared | Your Present Religious Preference |
| Protestant | <input type="radio"/> | <input type="radio"/> |
| Roman Catholic..... | <input type="radio"/> | <input type="radio"/> |
| Jewish | <input type="radio"/> | <input type="radio"/> |
| Other | <input type="radio"/> | <input type="radio"/> |
| None | <input type="radio"/> | <input type="radio"/> |

12. In deciding where to go to college, through what source did this college first come to your attention?

(Mark one)

- Relative
- Friend.....
- High school counselor or teacher...
- Professional counseling or college placement service
- This college or a representative from this college
- Other source
- I cannot recall.....

13. To what extent do you think each of the following describes the psychological climate or atmosphere at this college?

(Mark one answer for each item)

- | | | | |
|----------------------|-------------------------|-----------------------|-------------------------------|
| | <i>Very Descriptive</i> | <i>In Between</i> | <i>Not at all Descriptive</i> |
| Intellectual..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Snobbish | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Social | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Victorian | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Practical-minded, .. | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Warm | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Realistic | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Liberal..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

14. Answer each of the following as you think it applies to this college:

- | | | |
|--|-----------------------|-----------------------|
| | Yes | No |
| The students are under a great deal of pressure to get high grades..... | <input type="radio"/> | <input type="radio"/> |
| The student body is apathetic and has little "school spirit"..... | <input type="radio"/> | <input type="radio"/> |
| Most of the students are of a very high calibre academically..... | <input type="radio"/> | <input type="radio"/> |
| There is a keen competition among most of the students for high grades.. | <input type="radio"/> | <input type="radio"/> |
| Freshmen have to take orders from upperclassmen for a period of time ... | <input type="radio"/> | <input type="radio"/> |
| There isn't much to do except to go to class and study | <input type="radio"/> | <input type="radio"/> |
| I felt "lost" when I first came to the campus | <input type="radio"/> | <input type="radio"/> |
| Being in this college builds poise and maturity | <input type="radio"/> | <input type="radio"/> |
| Athletics are overemphasized | <input type="radio"/> | <input type="radio"/> |
| The classes are usually run in a very informal manner | <input type="radio"/> | <input type="radio"/> |
| Most students are more like "numbers in a book"..... | <input type="radio"/> | <input type="radio"/> |

15. Are you:

- An only child (Mark and skip to number 20)
- The first-born (but not an only child)
- The second-born.....
- The third-born

- Fourth (or later) born

16. How many brothers and sisters now living do you have? (Mark one)

None (Mark and skip to number 20).....

- | | | | | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 or more |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

17. Mark one circle for each of your brothers and sisters between the ages of 13 and 23

- | | | | | | | | | | | | |
|----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| Brothers | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Sisters | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

18. Are you a twin? (Mark one)

- No, (Mark and skip to number 20),.
- Yes, identical.....
- Yes, fraternal same sex.....
- Yes, fraternal opposite sex

19. Is your twin attending college?

- No.....
- Yes, the same college.....
- Yes, a different college ...

20. Mark one in each column:

	<i>Your current home state</i>	<i>Your birthplace</i>	<i>Your father's birthplace</i>	<i>Your mother's birthplace</i>
Alabama.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Alaska.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Arizona.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Arkansas.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
California.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Colorado.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Connecticut.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Delaware.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
D. C.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Florida.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Georgia.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hawaii.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Idaho.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Illinois.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Indiana.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Iowa.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Kansas.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Kentucky.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Louisiana.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Maine.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Maryland.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Massachusetts.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Michigan.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Minnesota.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mississippi.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Missouri.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Montana.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Nebraska.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Nevada.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
New Hampshire.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
New Jersey.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
New Mexico.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
New York.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
North Carolina.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
North Dakota.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ohio.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Oklahoma.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Oregon.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pennsylvania.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Rhode Island.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
South Carolina.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
South Dakota.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Tennessee.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Texas.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Utah.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Vermont.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Virginia.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Washington.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
West Virginia.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Wisconsin.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Wyoming.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Latin America.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Europe.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Africa.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Asia.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

21. Below is a list of 66 different undergraduate major fields grouped into general categories. Mark only three of the 66 fields as follows:

- ① First choice (your probable major field of study).
- ② Second choice.
- ③ The field of study which is least appealing to you.

<p>Arts and Humanities</p> <p>Architecture..... ① ② ③</p> <p>English (literature).... ① ② ③</p> <p>Fine arts..... ① ② ③</p> <p>History..... ① ② ③</p> <p>Journalism (writing) ... ① ② ③</p> <p>Language (modern) ① ② ③</p> <p>Language (other)..... ① ② ③</p> <p>Music..... ① ② ③</p> <p>Philosophy..... ① ② ③</p> <p>Speech and drama ① ② ③</p> <p>Theology..... ① ② ③</p> <p>Other..... ① ② ③</p> <p>Biological Science</p> <p>Biology (general)..... ① ② ③</p> <p>Biochemistry..... ① ② ③</p> <p>Biophysics..... ① ② ③</p> <p>Botany..... ① ② ③</p> <p>Zoology..... ① ② ③</p> <p>Other..... ① ② ③</p> <p>Business</p> <p>Accounting..... ① ② ③</p> <p>Business admin. ① ② ③</p> <p>Electronic data processing..... ① ② ③</p> <p>Secretarial studies ① ② ③</p> <p>Other..... ① ② ③</p> <p>Engineering</p> <p>Aeronautical..... ① ② ③</p> <p>Civil..... ① ② ③</p> <p>Chemical..... ① ② ③</p> <p>Electrical..... ① ② ③</p> <p>Industrial..... ① ② ③</p> <p>Mechanical..... ① ② ③</p> <p>Other..... ① ② ③</p> <p>Physical Science</p> <p>Chemistry..... ① ② ③</p> <p>Earth science..... ① ② ③</p> <p>Mathematics..... ① ② ③</p> <p>Physics..... ① ② ③</p> <p>Statistics..... ① ② ③</p> <p>Other..... ① ② ③</p>	<p>Professional</p> <p>Health Technology (medical, dental, laboratory)..... ① ② ③</p> <p>Nursing..... ① ② ③</p> <p>Pharmacy..... ① ② ③</p> <p>Pre dentistry..... ① ② ③</p> <p>Prelaw..... ① ② ③</p> <p>Pre medical..... ① ② ③</p> <p>Preveterinary..... ① ② ③</p> <p>Therapy (occupat., physical, speech).. ① ② ③</p> <p>Other..... ① ② ③</p> <p>Social Science</p> <p>Anthropology..... ① ② ③</p> <p>Economics..... ① ② ③</p> <p>Education..... ① ② ③</p> <p>History..... ① ② ③</p> <p>Political science (government, int. relations) ① ② ③</p> <p>Psychology..... ① ② ③</p> <p>Social work..... ① ② ③</p> <p>Sociology..... ① ② ③</p> <p>Other..... ① ② ③</p> <p>Other Fields</p> <p>Agriculture..... ① ② ③</p> <p>Communications (radio, T. V., etc.) ① ② ③</p> <p>Electronics (technology)..... ① ② ③</p> <p>Forestry..... ① ② ③</p> <p>Home economics.... ① ② ③</p> <p>Industrial arts..... ① ② ③</p> <p>Library science ① ② ③</p> <p>Military science ① ② ③</p> <p>Physical education and recreation ① ② ③</p> <p>Other (technical) ... ① ② ③</p> <p>Other (nontechnical). ① ② ③</p> <p>Undecided..... ① ② ③</p>
--	---

Please be sure that only three circles have been marked in the above list

22. Probable Career Occupation

Note: Make only three responses, one in each column { ① First Choice, ② Second Choice, ③ Least Appealing

Accountant or actuary.....	①	②	③
Actor or entertainer.....	①	②	③
Architect.....	①	②	③
Artist.....	①	②	③
Business (clerical).....	①	②	③
Business executive (management, administrator)	①	②	③
Business owner or proprietor.....	①	②	③
Business salesman or buyer.....	①	②	③
Clergyman (minister, priest).....	①	②	③
Clergy (other religious).....	①	②	③
Clinical psychologist.....	①	②	③
College teacher.....	①	②	③
Computer programmer.....	①	②	③
Conservationist or forester.....	①	②	③
Dentist (including orthodontist) ..	①	②	③
Dietitian or home economist.....	①	②	③
Engineer.....	①	②	③
Farmer or rancher.....	①	②	③
Foreign service worker (including diplomat).....	①	②	③
Housewife.....	①	②	③
Interior decorator (including designer).....	①	②	③
Interpreter (translator).....	①	②	③
Lab technician or hygienist.....	①	②	③
Law enforcement officer.....	①	②	③
Lawyer (attorney).....	①	②	③
Military service (career).....	①	②	③
Musician (performer, composer) ...	①	②	③
Nurse.....	①	②	③
Optometrist.....	①	②	③
Pharmacist.....	①	②	③
Physician.....	①	②	③
School counselor.....	①	②	③
School principal or superintendant	①	②	③
Scientific researcher.....	①	②	③
Social worker.....	①	②	③
Statistician.....	①	②	③
Therapist (physical, occupational, speech).....	①	②	③
Teacher (elementary).....	①	②	③
Teacher (secondary).....	①	②	③
Veterinarian.....	①	②	③
Writer or journalist.....	①	②	③
Skilled trades.....	①	②	③
Other.....	①	②	③
Undecided.....	①	②	③

23. Below is a general list of things that students sometimes do. Indicate which of these things you did during the past year in school. If you engaged in an activity frequently, Mark "f." If you engaged in an activity one or more times, but not frequently, Mark "o"(occasionally). Mark "n"(not at all) if you have not performed the activity during the past year. (Mark one for each item)
- | | | | |
|--|-------------------------|-------------------------|-------------------------|
| Voted in a student election | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Came late to class | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Listened to New Orleans's (Dixieland) jazz | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Gambled with cards or dice | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Played a musical instrument | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Took a nap or rest during the day | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Drove a car | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Stayed up all night | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Studied in the library | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Attended a ballet performance | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Participated on the speech or debate team | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Acted in plays | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Sang in a choir or glee club | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Argued with other students | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Called a teacher by his or her first name | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Wrote an article for the school paper or literary magazine | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Had a blind date | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Wrote a short story or poem (not for a class) | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Played in a school band | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Played in a school orchestra | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Smoked cigarettes | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Attended Sunday school | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Checked out a book or journal from the school library | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Went to the movies | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Discussed how to make money with other students | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Said grace before meals | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Prayed (not including grace before meals) | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Listened to folk music | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Attended a public recital or concert | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Made wisecracks in class | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Arranged a date for another student | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Went to an over-night or week-end party | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Took weight-reducing or dietary formula | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Drank beer | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Overslept and missed a class or appointment | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Typed a homework assignment | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Participated in an informal group sing | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Drank wine | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Cribbed on an examination | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Turned in a paper or theme late | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Tried on clothes in a store without buying anything | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Asked questions in class | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Attended church | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Participated in organized demonstrations | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |

24. Indicate the importance to you personally of each of the following: (Mark one for each item)
- | | | | | |
|--|-------------------------|-------------------------|-------------------------|-------------------------|
| Becoming accomplished in one of the performing arts (acting, dancing, etc.) | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Becoming an authority on a special subject in my subject field | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Obtaining recognition from my colleagues for contributions in my special field | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Becoming an accomplished musician (performer or composer) | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Becoming an expert in finance and commerce | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Having administrative responsibility for the work of others | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Being very well-off financially | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Helping others who are in difficulty | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Participating in an organization like the Peace Corps or Vista | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Becoming an outstanding athlete | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Becoming a community leader | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Making a theoretical contribution to science | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Writing original works (poems, novels, short stories, etc.) | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Never being obligated to people | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Creating artistic work (painting, sculpture, decorating, etc.) | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Keeping up to date with political affairs | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Being successful in a business of my own | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |

25. Rate yourself on each of the following traits as you really think you are when compared with the average student of your own age. We want the most accurate estimate of how you see yourself. (Mark one for each item)
- | Trait | Highest 10 Percent | Above Average | Average | Below Average | Lowest 10 Percent |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Academic ability | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Athletic ability | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Artistic ability | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Cheerfulness | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Defensiveness | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Drive to achieve | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Leadership ability | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Mathematical ability | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Mechanical ability | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Originality | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Political conservatism | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Political liberalism | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Popularity | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Popularity with the opposite sex | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Public speaking ability | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Self-confidence (intellectual) | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Self-confidence (social) | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Sensitivity to criticism | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Stubbornness | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Understanding of others | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Writing ability | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

26. How old will you be on December 31 of this year? (Mark one)
- | | | | |
|---------------------|-----------------------|---------------------|-----------------------|
| 16 or younger | <input type="radio"/> | 20 | <input type="radio"/> |
| 17 | <input type="radio"/> | 21 | <input type="radio"/> |
| 18 | <input type="radio"/> | Older than 21 | <input type="radio"/> |
| 19 | <input type="radio"/> | | |

27. (If you are married, omit the following question) What is your best guess as to the chances that you will marry
- | | | |
|--------------------------|-----------------------|------------------------------|
| | While in College? | Within a Year after College? |
| Very good chance | <input type="radio"/> | <input type="radio"/> |
| Some chance | <input type="radio"/> | <input type="radio"/> |
| Very little chance | <input type="radio"/> | <input type="radio"/> |
| No chance | <input type="radio"/> | <input type="radio"/> |



Appendix B-4
1967 STUDENT INFORMATION FORM

YOUR NAME (please print) _____
First Middle or Maiden Last

HOME STREET ADDRESS _____
City State Zip Code (if known)

When were you born?
Month Day Year (01-12) (01-31)

Your Social Security Number (please copy carefully)

NOTE: The information in this report is being collected for the American Council on Education as part of a continuing study of higher education. Your cooperation in this research will contribute to an understanding of how students are affected by their college experiences. Identifying information has been requested by the Council in order to make subsequent mail follow-up studies possible. Your responses will be held in the strictest professional confidence, and will be used only in group summaries for research purposes.

0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9

DIRECTIONS: Your responses will be read by an automatic scanning device. Your careful observance of these few simple rules will be most appreciated.

Use only black lead pencil (No. 2½ or softer). Make heavy black marks that fill the circle. Erase cleanly any answer you wish to change. Make no stray markings of any kind.

Example: Will marks made with ball pen or fountain pen be properly read? Yes No

1. Your Sex: Male Female

2. How old will you be on December 31 of this year? (Mark one)

16 or younger	<input type="radio"/>	20	<input type="radio"/>
17	<input type="radio"/>	21	<input type="radio"/>
18	<input type="radio"/>	Older than 21	<input type="radio"/>
19	<input type="radio"/>		

3. What was your average grade in secondary school? (Mark one)

A or A+	<input type="radio"/>	B-	<input type="radio"/>
A-	<input type="radio"/>	C+	<input type="radio"/>
B+	<input type="radio"/>	C	<input type="radio"/>
B	<input type="radio"/>	D	<input type="radio"/>

4. To how many colleges other than this one did you actually apply for admission? From how many did you receive acceptances? (Mark one in each column)

	Applications	Acceptances
No other	<input type="radio"/>	<input type="radio"/>
One	<input type="radio"/>	<input type="radio"/>
Two	<input type="radio"/>	<input type="radio"/>
Three	<input type="radio"/>	<input type="radio"/>
Four	<input type="radio"/>	<input type="radio"/>
Five	<input type="radio"/>	<input type="radio"/>
Six or more	<input type="radio"/>	<input type="radio"/>

5. Mark one:

This is the first time I have enrolled in college as a freshman.....
 I came to this college from a junior college.....
 I came to this college from a four-year college or university.....

6. The following questions deal with accomplishments that might possibly apply to your high school years. Do not be discouraged by this list; it covers many areas of interest and few students will be able to say "yes" to many items. (Mark all that apply)

Was elected president of one or more student organizations (recognized by the school).....	<input type="radio"/>	Yes
Received a high rating (Good, Excellent) in a <u>state</u> or <u>regional</u> music contest..	<input type="radio"/>	
Participated in a <u>state</u> or <u>regional</u> speech or debate contest.....	<input type="radio"/>	
Had a major part in a play.....	<input type="radio"/>	
Won a varsity letter (sports).....	<input type="radio"/>	
Won a prize or award in an art competition.....	<input type="radio"/>	
Edited the school paper, yearbook, or literary magazine.....	<input type="radio"/>	
Had poems, stories, essays, or articles published.....	<input type="radio"/>	
Participated in a National Science Foundation summer program.....	<input type="radio"/>	
Placed (first, second, or third) in a <u>state</u> or <u>regional</u> science contest.....	<input type="radio"/>	
Was a member of a scholastic honor society.....	<input type="radio"/>	
Won a Certificate of Merit or Letter of Commendation in the National Merit Program.....	<input type="radio"/>	

7. What is the highest academic degree that you intend to obtain? (Mark one)

None.....
 Associate (or equivalent).....
 Bachelor's degree (B.A., B.S., etc.).....
 Master's degree (M.A., M.S., etc.).....
 Ph.D. or Ed.D.....
 M.D., D.D.S., or D.V.M.....
 LL.B. or J.D.....
 B.D.....
 Other.....

8. Do you have any concern about your ability to finance your college education? (Mark one)

None (I am confident that I will have sufficient funds).....
 Some concern (but I will probably have enough funds).....
 Major concern (not sure I will be able to complete college).....

9. Are you a twin? (Mark one)

No.....
 Yes, identical.....
 Yes, fraternal same sex.....
 Yes, fraternal opposite sex.....

10. Through what source do you intend to finance the first year of your undergraduate education? (Mark one in each row)
- | | | |
|--|-----------------------|--------------|
| Personal savings and/or employment | <input type="radio"/> | Major Source |
| Parental or other family aid..... | <input type="radio"/> | Minor Source |
| Repayable loan..... | <input type="radio"/> | Not a Source |
| Scholarship, grant, or other gift..... | <input type="radio"/> | |

11. What is the highest level of formal education obtained by your parents? (Mark one in each column)
- | | | |
|-----------------------------|-----------------------|-----------------------|
| | Father | Mother |
| Grammar school or less..... | <input type="radio"/> | <input type="radio"/> |
| Some high school..... | <input type="radio"/> | <input type="radio"/> |
| High school graduate..... | <input type="radio"/> | <input type="radio"/> |
| Some college..... | <input type="radio"/> | <input type="radio"/> |
| College degree..... | <input type="radio"/> | <input type="radio"/> |
| Postgraduate degree..... | <input type="radio"/> | <input type="radio"/> |

12. What is your best estimate of the total income last year of your parental family (not your own family if you are married)? Consider annual income from all sources before taxes. (Mark one)
- | | |
|---|---|
| Less than \$4,000 <input type="radio"/> | \$15,000-\$19,999 <input type="radio"/> |
| \$4,000-\$5,999 <input type="radio"/> | \$20,000-\$24,999 <input type="radio"/> |
| \$6,000-\$7,999 <input type="radio"/> | \$25,000-\$29,999 <input type="radio"/> |
| \$8,000-\$9,999 <input type="radio"/> | \$30,000 or more <input type="radio"/> |
| \$10,000-\$14,999 <input type="radio"/> | I have no idea <input type="radio"/> |

13. What is your racial background? (Mark one)
- Caucasian
 Negro
 American Indian
 Oriental
 Other

14. Mark one in each column below:
- | | | |
|---------------------|-----------------------------------|-----------------------------------|
| | Religion in Which You Were Reared | Your Present Religious Preference |
| Protestant..... | <input type="radio"/> | <input type="radio"/> |
| Roman Catholic..... | <input type="radio"/> | <input type="radio"/> |
| Jewish..... | <input type="radio"/> | <input type="radio"/> |
| Other..... | <input type="radio"/> | <input type="radio"/> |
| None..... | <input type="radio"/> | <input type="radio"/> |

15. While attending high school, did you: (Mark one)
- Date one steady girl friend (boy friend).....
 Have a series of steady girl friends (boy friends).....
 Date a few different girls (boys), but none steadily.....
 Pretty much play the field.....
 Seldom or never date.....

16. How many students in high school did you know by their first names or nicknames? (Mark one)
- | | | | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 5 or less | 6-10 | 11-20 | 21-50 | 51-100 | 101-200 | more |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
- How many of these students did you consider close friends? (Mark one)
- | | | | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 5 or less | 6-10 | 11-20 | 21-50 | 51-100 | 101-200 | more |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

17. For each of the following activities, indicate if you presently can perform the activity competently. (Mark one in each row)

	Yes, I can presently do this well	No, but I would like to be able to do this well	and I have no desire to be able to do this well
Type 40 words or more per minute.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sketch people so that they can be recognized.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Speak a second language fluently.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Break 100 in golf.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Water-ski.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ski on snow.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sight-read piano music.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Read music (singing).....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Identify at least fifteen species of birds on sight.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Referee one or more sporting events.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Recite long passages from plays or poems without notes.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Identify or describe examples from several architectural styles.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sail a boat.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Identify most of the major constellations of stars.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use a sewing machine.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use Robert's <u>Rules of Order</u>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mix a dry Martini.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Set a table for a formal party.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Name the starting players for a professional athletic team.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Score a tennis match.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Identify many classical musical compositions by title and composer.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Program a computer.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use a slide rule.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Swim a mile without stopping.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Name the animal phyla.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Describe the difference between stocks and bonds.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Develop and print photographs (darkroom work).....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Bake a cake from scratch (no mixes).....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Describe the personal freedoms guaranteed by the Bill of Rights.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Do at least 15 push-ups.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

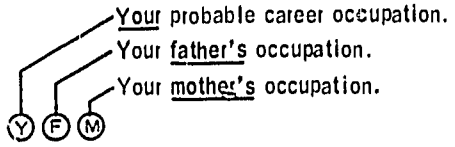
18. What is your best guess as to the chances that you will: (Mark one in each row)
- | | Very Good Chance | Some Chance | Very Little Chance | No Chance |
|---|-----------------------|-----------------------|-----------------------|-----------------------|
| Get married while in college?..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Get married within a year after college?..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Obtain an A- or better over-all grade point average?..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Change major field?..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Change career choice?..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Fail one or more courses?..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Graduate with honors?..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Be elected to a student office?..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Join a social fraternity, sorority, or club?..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Author or co-author a published article?..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Be elected to an academic honor society?..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Participate in student protests or demonstrations?..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Drop out of this college temporarily (exclude transferring)?..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Drop out permanently (exclude transferring)?..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Transfer to another college before graduating?..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |



19. Mark one in each column:

	Your current home state	Your birthplace	Your father's birthplace	Your mother's birthplace
Alabama	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Alaska	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Arizona	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Arkansas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
California	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Colorado	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Connecticut	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Delaware	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
D.C.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Florida	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Georgia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hawaii	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Idaho	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Illinois	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Indiana	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Iowa	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Kansas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Kentucky	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Louisiana	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Maine	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Maryland	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Massachusetts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Michigan	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Minnesota	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mississippi	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Missouri	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Montana	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Nebraska	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Nevada	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
New Hampshire	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
New Jersey	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
New Mexico	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
New York	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
North Carolina	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
North Dakota	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ohio	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Oklahoma	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Oregon	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pennsylvania	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Rhode Island	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
South Carolina	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
South Dakota	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Tennessee	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Texas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Utah	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Vermont	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Virginia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Washington	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
West Virginia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Wisconsin	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Wyoming	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other U.S.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Canada	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Latin America	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Europe	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

20. Mark only three responses, one in each column.



NOTE: If your father (or mother) is deceased, please indicate his (her) last occupation.

Accountant or actuary	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Actor or entertainer	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Architect	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Artist	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Business (clerical)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Business executive (management, administrator)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Business owner or proprietor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Business salesman or buyer	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Clergyman (minister, priest)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Clergy (other religious)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Clinical psychologist	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
College teacher	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Computer programmer	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Conservationist or forester	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dentist (including orthodontist)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dietitian or home economist	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Engineer	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Farmer or rancher	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Foreign service worker (including diplomat)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Housewife	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Interior decorator (including designer)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Interpreter (translator)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lab technician or hygienist	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Law enforcement officer	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lawyer (attorney)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Military service (career)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Musician (performer, composer)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Nurse	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Optometrist	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pharmacist	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Physician	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
School counselor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
School principal or superintendent	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Scientific researcher	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Social worker	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Statistician	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Therapist (physical, occupational, speech)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Teacher (elementary)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Teacher (secondary)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Veterinarian	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Writer or journalist	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Skilled trades	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>		
Undecided	<input type="radio"/>		
Laborer (unskilled)		<input type="radio"/>	<input type="radio"/>
Semi-skilled worker		<input type="radio"/>	<input type="radio"/>
Other occupation		<input type="radio"/>	<input type="radio"/>
Unemployed		<input type="radio"/>	

21. Below is a list of 66 different undergraduate major fields grouped into general categories. Mark only three of the 66 fields as follows:

- ① First choice (your probable major field of study).
- ② Second choice.
- Ⓛ The field of study which is least appealing to you.

<p>ARTS AND HUMANITIES</p> <p>Architecture.....①②Ⓛ</p> <p>English (literature)①②Ⓛ</p> <p>Fine arts①②Ⓛ</p> <p>History①②Ⓛ</p> <p>Journalism (writing) ...①②Ⓛ</p> <p>Language (modern) ...①②Ⓛ</p> <p>Language (other)①②Ⓛ</p> <p>Music①②Ⓛ</p> <p>Philosophy①②Ⓛ</p> <p>Speech and drama①②Ⓛ</p> <p>Theology①②Ⓛ</p> <p>Other①②Ⓛ</p> <p>BIOLOGICAL SCIENCE</p> <p>Biology (general).....①②Ⓛ</p> <p>Biochemistry①②Ⓛ</p> <p>Biophysics①②Ⓛ</p> <p>Botany①②Ⓛ</p> <p>Zoology①②Ⓛ</p> <p>Other①②Ⓛ</p> <p>BUSINESS</p> <p>Accounting.....①②Ⓛ</p> <p>Business admin.....①②Ⓛ</p> <p>Electronic data processing①②Ⓛ</p> <p>Secretarial studies ...①②Ⓛ</p> <p>Other①②Ⓛ</p> <p>ENGINEERING</p> <p>Aeronautical①②Ⓛ</p> <p>Civil①②Ⓛ</p> <p>Chemical①②Ⓛ</p> <p>Electrical.....①②Ⓛ</p> <p>Industrial①②Ⓛ</p> <p>Mechanical.....①②Ⓛ</p> <p>Other①②Ⓛ</p> <p>PHYSICAL SCIENCE</p> <p>Chemistry.....①②Ⓛ</p> <p>Earth science①②Ⓛ</p> <p>Mathematics.....①②Ⓛ</p> <p>Physics①②Ⓛ</p> <p>Statistics①②Ⓛ</p> <p>Other①②Ⓛ</p>	<p>PROFESSIONAL</p> <p>Health Technology (medical, dental, laboratory).....①②Ⓛ</p> <p>Nursing①②Ⓛ</p> <p>Pharmacy.....①②Ⓛ</p> <p>Pre dentistry①②Ⓛ</p> <p>Prelaw①②Ⓛ</p> <p>Pre medical①②Ⓛ</p> <p>Pre veterinary①②Ⓛ</p> <p>Therapy (occupat., physical, speech) ..①②Ⓛ</p> <p>Other①②Ⓛ</p> <p>SOCIAL SCIENCE</p> <p>Anthropology.①②Ⓛ</p> <p>Economics.....①②Ⓛ</p> <p>Education①②Ⓛ</p> <p>History.....①②Ⓛ</p> <p>Political science (government, int. relations)①②Ⓛ</p> <p>Psychology①②Ⓛ</p> <p>Social work①②Ⓛ</p> <p>Sociology.....①②Ⓛ</p> <p>Other①②Ⓛ</p> <p>OTHER FIELDS</p> <p>Agriculture①②Ⓛ</p> <p>Communications (radio, T.V., etc.) ①②Ⓛ</p> <p>Electronics (technology)①②Ⓛ</p> <p>Forestry.....①②Ⓛ</p> <p>Home economics ...①②Ⓛ</p> <p>Industrial arts.....①②Ⓛ</p> <p>Library science ...①②Ⓛ</p> <p>Military science ...①②Ⓛ</p> <p>Physical education and recreation.①②Ⓛ</p> <p>Other (technical) ...①②Ⓛ</p> <p>Other (nontechnical) ①②Ⓛ</p> <p>Undecided①②Ⓛ</p>
--	--

Please be sure that only three circles have been marked in the above list.



22. Below is a general list of things that students sometimes do. Indicate which of these things you did during the past year in school. If you engaged in an activity frequently, mark "F." If you engaged in an activity one or more times, but not frequently, mark "O" (occasionally). Mark "N" (not at all) if you have not performed the activity during the past year. (Mark one for each item)

- | | | | |
|---|-------------------------|-------------------------|-------------------------|
| | Frequently | Occasionally | Not at all |
| Voted in a student election | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Came late to class | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Played a musical instrument | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Studied in the library | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Checked out a book or journal from the school library | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Arranged a date for another student | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Overslept and missed a class or appointment | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Typed a homework assignment | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Participated in organized demonstrations | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Failed to complete a homework assignment on time | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Argued with a teacher in class | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Was a guest in a teacher's home | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Rode on a motorcycle | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Slept or dozed in class | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Studied with other students | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Did extra (unassigned) reading for a course | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Took sleeping pills | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Tutored another student | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Played chess | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Saw a foreign movie | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Took a tranquilizing pill | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Discussed religion | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Took vitamins | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Visited an art gallery or museum | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Took a trip of more than 500 miles | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Got a traffic ticket | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Missed school because of illness | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Smoked cigarettes | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Discussed politics | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Played tennis | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Drank beer | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Played bridge | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Discussed sports | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Asked a teacher for advice after class | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Had vocational counseling | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Stayed up all night | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |

23. Indicate the importance to you personally of the following persons or events in your decision to enroll in this college. (Mark one for each item)

- | | | | |
|--|-----------------------|-----------------------|-----------------------|
| | Major Influence | Minor Influence | Not Relevant |
| Parent or other relative | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| High school teacher or counselor | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Friends attending this college | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Graduate or other representative from this college | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Professional counseling or college placement service | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Athletic program of the college | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Other extracurricular activities | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Social life of the college | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Opportunity to live away from home | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Low cost | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Academic reputation of the college | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Most of the students are like me | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Religious affiliation | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

24. Indicate the importance to you personally of each of the following: (Mark one for each item)

- | | | | | |
|--|-------------------------|-------------------------|-------------------------|-------------------------|
| | Essential | Very Important | Somewhat Important | Not Important |
| Becoming accomplished in one of the performing arts (acting, dancing, etc.) | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Becoming an authority on a special subject in my subject field | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Obtaining recognition from my colleagues for contributions in my special field | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Becoming an accomplished musician (performer or composer) | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Becoming an expert in finance and commerce | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Having administrative responsibility for the work of others | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Being very well-off financially | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Helping others who are in difficulty | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Participating in an organization like the Peace Corps or Vista | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Becoming an outstanding athlete | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Becoming a community leader | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Making a theoretical contribution to science | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Writing original works (poems, novels, short stories, etc.) | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Never being obligated to people | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Creating artistic work (painting, sculpture, decorating, etc.) | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Keeping up to date with political affairs | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Being successful in a business of my own | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Developing a meaningful philosophy of life | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |

25. Mark one in each row:

}	Agree strongly
}	Agree somewhat
}	Disagree somewhat
}	Disagree strongly

- | | | | | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|
| | Agree strongly | Agree somewhat | Disagree somewhat | Disagree strongly |
| College faculty are more competent than are students to specify the curriculum | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| The activities of married women are best confined to the home and family | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Parents should be discouraged from having large families | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Colleges would be improved if organized sports were de-emphasized | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Scientists should publish their findings regardless of the possible consequences | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Realistically, an individual person can do little to bring about changes in our society | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| The chief benefit of a college education is that it increases one's earning power | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| My beliefs and attitudes are similar to those of most other college students | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Faculty promotions should be based in part on student evaluations | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Student publications should be cleared by college officials | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Women should be subject to the draft | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| The voting age should be lowered to 18 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| College officials have the right to ban persons with extreme views from speaking on campus | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Students from disadvantaged social backgrounds should be given preferential treatment in college admissions | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Most college officials have been too lax in dealing with student protests on campus | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Appendix B-5
1968 STUDENT INFORMATION FORM

818950

YOUR NAME (please print) _____
First Middle or Maiden Last

HOME STREET ADDRESS _____

City State Zip Code (if known)

When were you born?
Month Day Year
(01-12) (01-31)

Your Social Security Number _____
 (please copy carefully)

DO NOT MARK THIS GRID

0	0	0	0	0
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9

NOTE:
 The information in this report is being collected for the American Council on Education as part of a continuing study of higher education. Your cooperation in this research will contribute to an understanding of how students are affected by their college experiences. Identifying information has been requested by the Council in order to make subsequent mail follow-up studies possible. Your responses will be held in the strictest professional confidence, and will be used only in group summaries for research purposes.

0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9

DIRECTIONS: Your responses will be read by an optical mark reader. Your careful observance of these few simple rules will be most appreciated.

Use only black lead pencil (No. 2¹/₂ or softer). Make heavy black marks that fill the circle. Erase cleanly any answer you wish to change. Make no stray markings of any kind.

Example: Will marks made with ball pen or fountain pen be properly read? Yes No

1. Your Sex: Male Female

2. How old will you be on December 31 of this year? (Mark one)

16 or younger	<input type="radio"/>	20	<input type="radio"/>
17	<input type="radio"/>	21	<input type="radio"/>
18	<input type="radio"/>	Older than 21	<input type="radio"/>
19	<input type="radio"/>		

3. What was your average grade in secondary school? (Mark one)

A or A+	<input type="radio"/>	B-	<input type="radio"/>
A-	<input type="radio"/>	C+	<input type="radio"/>
B+	<input type="radio"/>	C	<input type="radio"/>
B	<input type="radio"/>	D	<input type="radio"/>

4. To how many colleges other than this one did you actually apply for admission? From how many did you receive acceptances? (Mark one in each column)

	Applications	Acceptances
No other	<input type="radio"/>	<input type="radio"/>
One	<input type="radio"/>	<input type="radio"/>
Two	<input type="radio"/>	<input type="radio"/>
Three	<input type="radio"/>	<input type="radio"/>
Four	<input type="radio"/>	<input type="radio"/>
Five	<input type="radio"/>	<input type="radio"/>
Six or more	<input type="radio"/>	<input type="radio"/>

5. Mark one:

This is the first time I have enrolled in college as a freshman.
 I came to this college from a junior college.
 I came to this college from a four-year college or university.

6. The following questions deal with accomplishments that might possibly apply to your high school years. Do not be discouraged by this list; it covers many areas of interest and few students will be able to say "yes" to many items. (Mark all that apply)

Was elected president of one or more student organizations (recognized by the school).	<input type="radio"/>	Yes <input type="radio"/>
Received a high rating (Good, Excellent) in a state or regional music contest.	<input type="radio"/>	
Participated in a state or regional speech or debate contest.	<input type="radio"/>	
Had a major part in a play.	<input type="radio"/>	
Won a varsity letter (sports).	<input type="radio"/>	
Won a prize or award in an art competition.	<input type="radio"/>	
Edited the school paper, yearbook, or literary magazine.	<input type="radio"/>	
Had poems, stories, essays, or articles published.	<input type="radio"/>	
Participated in a National Science Foundation summer program.	<input type="radio"/>	
Placed (first, second, or third) in a state or regional science contest.	<input type="radio"/>	
Was a member of a scholastic honor society.	<input type="radio"/>	
Won a Certificate of Merit or Letter of Commendation in the National Merit Program.	<input type="radio"/>	

7. What is the highest academic degree that you intend to obtain? (Mark one)

None
 Associate (or equivalent)
 Bachelor's degree (B.A., B.S., etc.)
 Master's degree (M.A., M.S., etc.)
 Ph.D. or Ed.D.
 M.D., D.D.S., or D.V.M.
 LL.B. or J.D.
 B.D.
 Other

8. Do you have any concern about your ability to finance your college education? (Mark one)

None (I am confident that I will have sufficient funds)
 Some concern (but I will probably have enough funds)
 Major concern (not sure I will be able to complete college)

9. Are you a twin? (Mark one)

No
 Yes, identical
 Yes, fraternal same sex
 Yes, fraternal opposite sex

10. Through what source do you intend to finance the first year of your undergraduate education? (Mark one in each row)

	<i>Major Source</i>	<i>Minor Source</i>	<i>Not a Source</i>
Personal savings and or employment.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Parental or other family aid.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Repayable loan.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Scholarship, grant, or other gift.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

11. What is the highest level of formal education obtained by your parents? (Mark one in each column)

	Father	Mother
Grammar school or less.....	<input type="radio"/>	<input type="radio"/>
Some high school.....	<input type="radio"/>	<input type="radio"/>
High school graduate.....	<input type="radio"/>	<input type="radio"/>
Some college.....	<input type="radio"/>	<input type="radio"/>
College degree.....	<input type="radio"/>	<input type="radio"/>
Postgraduate degree.....	<input type="radio"/>	<input type="radio"/>

12. What is your best estimate of the total income last year of your parental family (not your own family if you are married)? Consider annual income from all sources before taxes. (Mark one)

Less than \$4,000.....	\$15,000-\$19,999.....
\$4,000-\$5,999.....	\$20,000-\$24,999.....
\$6,000-\$7,999.....	\$25,000-\$29,999.....
\$8,000-\$9,999.....	\$30,000 or more.....
\$10,000-\$14,999.....	

13. What is your racial background? (Mark one)

Caucasian Negro American Indian
 Oriental Other

14. Mark one in each column: Religion in Which You Were Reared Your Present Religious Preference

Protestant.....	<input type="radio"/>	<input type="radio"/>
Roman Catholic.....	<input type="radio"/>	<input type="radio"/>
Jewish.....	<input type="radio"/>	<input type="radio"/>
Other.....	<input type="radio"/>	<input type="radio"/>
None.....	<input type="radio"/>	<input type="radio"/>

15. How would you rate the academic standards of your high school? (Mark one)

Very high.....
 Fairly high.....
 About average.....
 Probably below average.....
 Definitely below average.....

16. Where did you rank academically in your high school graduating class? (Mark one)

Top 1%..... Top 10%..... Top Quarter.....
 2nd Quarter..... 3rd Quarter..... 4th Quarter.....

17. Where did you live for most of the time while you were growing up?

On a farm.....
 In a small town.....
 In a moderate size town or city.....
 In a suburb of a large city.....
 In a large city.....

18. During the post year in school, how often did the following statements apply to you? (Mark one in each row)

	Always	Usually	Sometimes	Rarely or Never
Turned in assigned work on time.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Had trouble concentrating on assignments.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Kept my desk or study place neat.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Was too bored to study.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Outlined the main points of a reading assignment.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Made careless mistakes on a test.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Did my homework at the same time every day.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Studied alone.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Put off starting my homework.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Got "exam jitters".....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fell asleep while studying.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Memorized facts or formulas without understanding them.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Quit before completing a difficult assignment.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Shared or reviewed notes with other students.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Checked my work before turning in a paper or test.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Did unrequired work for extra credit.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Made-up and took my own test for practice.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Daydreamed while studying.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Got a lower grade than I deserved in a test or assignment.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Included minor details when taking notes.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Wasted too much time on bull sessions.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Analyzed my mistakes to be sure I understood what was wrong.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Carefully went over diagrams or tables in the textbook.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Studied with the radio or record player on.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Studied with the TV on.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Clarified assignments with an instructor.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

19. What is your best guess as to the chances that you will: (Mark one in each row)

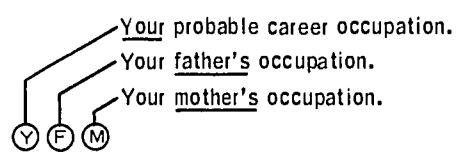
	Very Good Chance	Some Chance	Very Little Chance	No Chance
Get married while in college?.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Get married within a year after college?.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Obtain an A- or better over-all grade point average?.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Change major field?.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Change career choice?.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fail one or more courses?.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Graduate with honors?.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Be elected to a student office?.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Join a social fraternity, sorority, or club?.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Author or co-author a published article?.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Be elected to an academic honor society?.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Participate in student protests or demonstrations?.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Drop out of this college temporarily (exclude transferring)?.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Drop out permanently (exclude transferring)?.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Transfer to another college before graduating?.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



20. Mark one in each column:

	Your current home state	Your birthplace	Your father's birthplace	Your mother's birthplace
Alabama	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Alaska	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Arizona	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Arkansas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
California	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Colorado	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Connecticut	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Delaware	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
D.C.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Florida	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Georgia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hawaii	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Idaho	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Illinois	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Indiana	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Iowa	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Kansas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Kentucky	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Louisiana	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Maine	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Maryland	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Massachusetts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Michigan	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Minnesota	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mississippi	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Missouri	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Montana	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Nebraska	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Nevada	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
New Hampshire	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
New Jersey	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
New Mexico	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
New York	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
North Carolina	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
North Dakota	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ohio	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Oklahoma	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Oregon	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pennsylvania	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Rhode Island	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
South Carolina	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
South Dakota	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Tennessee	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Texas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Utah	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Vermont	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Virginia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Washington	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
West Virginia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Wisconsin	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Wyoming	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Canada	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Latin America	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Europe	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Asia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

21. Mark only three responses, one in each column.



NOTE: If your father (or mother) is deceased, please indicate his (her) last occupation.

- Accountant or actuary Y F M
- Actor or entertainer Y F M
- Architect Y F M
- Artist Y F M
- Business (clerical)..... Y F M
- Business executive (management, administrator) ... Y F M
- Business owner or proprietor ... Y F M
- Business salesman or buyer ... Y F M
- Clergyman (minister, priest)..... Y F M
- Clergy (other religious) Y F M
- Clinical psychologist..... Y F M
- College teacher..... Y F M
- Computer programmer Y F M
- Conservationist or forester Y F M
- Dentist (including orthodontist) .. Y F M
- Dietitian or home economist..... Y F M
- Engineer..... Y F M
- Farmer or rancher Y F M
- Foreign service worker (including diplomat) Y F M
- Housewife Y F M
- Interior decorator (including designer) Y F M
- Interpreter (translator) Y F M
- Lab technician or hygienist Y F M
- Law enforcement officer Y F M
- Lawyer (attorney) Y F M
- Military service (career) Y F M
- Musician (performer, composer) ... Y F M
- Nurse Y F M
- Optometrist Y F M
- Pharmacist..... Y F M
- Physician..... Y F M
- School counselor..... Y F M
- School principal or superintendent Y F M
- Scientific researcher Y F M
- Social worker Y F M
- Statistician Y F M
- Therapist (physical, occupational, speech) Y F M
- Teacher (elementary)..... Y F M
- Teacher (secondary)..... Y F M
- Veterinarian Y F M
- Writer or journalist Y F M
- Skilled trades Y F M
- Other Y
- Undecided Y
- Laborer (unskilled)..... F M
- Semi-skilled worker..... F M
- Other occupation..... F M
- Unemployed F

22. Below is a list of 66 different undergraduate major fields grouped into general categories. Mark only three of the 66 fields as follows:

- ① First choice (your probable major field of study).
- ② Second choice.
- Ⓛ The field of study which is least appealing to you.

- | | |
|---|--|
| <p>ARTS AND HUMANITIES</p> <ul style="list-style-type: none"> Architecture..... ① ② Ⓛ English (literature) ... ① ② Ⓛ Fine arts ① ② Ⓛ History ① ② Ⓛ Journalism (writing) ... ① ② Ⓛ Language (modern) ① ② Ⓛ Language (other) ① ② Ⓛ Music ① ② Ⓛ Philosophy..... ① ② Ⓛ Speech and drama ① ② Ⓛ Theology ① ② Ⓛ Other..... ① ② Ⓛ <p>BIOLOGICAL SCIENCE</p> <ul style="list-style-type: none"> Biology (general)..... ① ② Ⓛ Biochemistry ① ② Ⓛ Biophysics ① ② Ⓛ Botany ① ② Ⓛ Zoology ① ② Ⓛ Other..... ① ② Ⓛ <p>BUSINESS</p> <ul style="list-style-type: none"> Accounting..... ① ② Ⓛ Business admin..... ① ② Ⓛ Electronic data processing ① ② Ⓛ Secretarial studies ... ① ② Ⓛ Other..... ① ② Ⓛ <p>ENGINEERING</p> <ul style="list-style-type: none"> Aeronautical ① ② Ⓛ Civil ① ② Ⓛ Chemical ① ② Ⓛ Electrical ① ② Ⓛ Industrial ① ② Ⓛ Mechanical..... ① ② Ⓛ Other..... ① ② Ⓛ <p>PHYSICAL SCIENCE</p> <ul style="list-style-type: none"> Chemistry ① ② Ⓛ Earth science ① ② Ⓛ Mathematics..... ① ② Ⓛ Physics ① ② Ⓛ Statistics ① ② Ⓛ Other..... ① ② Ⓛ | <p>PROFESSIONAL</p> <ul style="list-style-type: none"> Health Technology (medical, dental, laboratory)..... ① ② Ⓛ Nursing ① ② Ⓛ Pharmacy..... ① ② Ⓛ Pre dentistry ① ② Ⓛ Prelaw ① ② Ⓛ Pre medical ① ② Ⓛ Preveterinary ① ② Ⓛ Therapy (occupat., physical, speech) .. ① ② Ⓛ Other ① ② Ⓛ <p>SOCIAL SCIENCE</p> <ul style="list-style-type: none"> Anthropology. ① ② Ⓛ Economics..... ① ② Ⓛ Education ① ② Ⓛ History..... ① ② Ⓛ Political science (government, int. relations) ① ② Ⓛ Psychology ① ② Ⓛ Social work ① ② Ⓛ Sociology..... ① ② Ⓛ Other ① ② Ⓛ <p>OTHER FIELDS</p> <ul style="list-style-type: none"> Agriculture ① ② Ⓛ Communications (radio, T.V., etc.) ① ② Ⓛ Electronics (technology) ① ② Ⓛ Forestry..... ① ② Ⓛ Home economics ... ① ② Ⓛ Industrial arts..... ① ② Ⓛ Library science ... ① ② Ⓛ Military science ... ① ② Ⓛ Physical education and recreation ... ① ② Ⓛ Other (technical) ... ① ② Ⓛ Other (nontechnical) ① ② Ⓛ Undecided ① ② Ⓛ |
|---|--|

Please be sure that only three circles have been marked in the above list.



23. Below is a general list of things that students sometimes do. Indicate which of these things you did during the past year in school. If you engaged in an activity frequently, mark "F." If you engaged in an activity one or more times, but not frequently, mark "O" (occasionally). Mark "N" (not at all) if you have not performed the activity during the past year. (Mark one for each item)

- | | | | |
|--|-------------------------|-------------------------|-------------------------|
| | Frequently | Occasionally | Not at all |
| Voted in a student election..... | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Came late to class..... | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Played a musical instrument..... | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Studied in the library..... | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Checked out a book or journal from the school library..... | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Arranged a date for another student..... | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Overslept and missed a class or appointment..... | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Typed a homework assignment..... | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Discussed my future with my parents..... | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Failed to complete a homework assignment on time.. | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Argued with a teacher in class..... | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Attended a religious service..... | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Participated in a demonstration against the war in Viet Nam..... | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Participated in a demonstration against racial discrimination..... | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Participated in a demonstration against some administrative policy of my school..... | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Did extra (unassigned) reading for a course..... | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Took sleeping pills..... | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Tutored another student..... | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Played chess..... | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Read poetry not connected with a course..... | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Took a tranquilizing pill..... | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Discussed religion..... | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Took vitamins..... | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Visited an art gallery or museum..... | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Worked in a school political campaign..... | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Worked in a local, state, or national political campaign..... | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Missed school because of illness..... | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Smoked cigarettes..... | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Discussed politics..... | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Drank beer..... | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Discussed sports..... | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Asked a teacher for advice after class..... | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Had vocational counseling..... | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |
| Stayed up all night..... | <input type="radio"/> F | <input type="radio"/> O | <input type="radio"/> N |

24. Indicate the importance to you personally of the following persons or events in your decision to enroll in this college. (Mark one for each item)

- | | | | |
|---|-----------------------|-----------------------|-----------------------|
| | Major Influence | Minor Influence | Not Relevant |
| Parent or other relative..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| High school teacher or counselor..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Friends attending this college..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Graduate or other representative from this college..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Professional counseling or college placement service..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Athletic program of the college..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Other extracurricular activities..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Social life of the college..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Opportunity to live away from home..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Low cost..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Academic reputation of the college..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Most of the students are like me..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Religious affiliation..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

25. Indicate the importance to you personally of each of the following: (Mark one for each item)

- | | | | | |
|---|-------------------------|-------------------------|-------------------------|-------------------------|
| | Essential | Very Important | Somewhat Important | Not Important |
| Becoming accomplished in one of the performing arts (acting, dancing, etc.)..... | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Becoming an authority on a special subject in my subject field..... | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Obtaining recognition from my colleagues for contributions in my special field..... | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Becoming an accomplished musician (performer or composer)..... | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Becoming an expert in finance and commerce..... | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Having administrative responsibility for the work of others..... | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Being very well-off financially..... | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Helping others who are in difficulty..... | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Participating in an organization like the Peace Corps or Vista..... | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Becoming an outstanding athlete..... | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Becoming a community leader..... | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Making a theoretical contribution to science..... | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Writing original works (poems, novels, short stories, etc.)..... | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Never being obligated to people..... | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Creating artistic work (painting, sculpture, decorating, etc.)..... | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Keeping up to date with political affairs..... | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Being successful in a business of my own..... | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |
| Developing a meaningful philosophy of life..... | <input type="radio"/> E | <input type="radio"/> V | <input type="radio"/> S | <input type="radio"/> N |

26. Mark one in each row:

- | | | | | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|
| | Agree strongly | Agree somewhat | Disagree somewhat | Disagree strongly |
| Students should have a major role in specifying the college curriculum..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Scientists should publish their findings regardless of the possible consequences..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Realistically, an individual person can do little to bring about changes in our society..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| College officials have the right to regulate student behavior off campus..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| The chief benefit of a college education is that it increases one's earning power..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Faculty promotions should be based in part on student evaluations..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| My beliefs and attitudes are similar to those of most other students..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Student publications should be cleared by college officials..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Marijuana should be legalized..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Current levels of air pollution in large cities justify the use of drastic measures to limit the use of motor vehicles..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Urban problems cannot be solved without huge investments of Federal money..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Cigarette advertising should be outlawed on radio and TV..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| College officials have the right to ban persons with extreme views from speaking on campus..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Only volunteers should serve in the armed forces..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Students from disadvantaged social backgrounds should be given preferential treatment in college admissions..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Most college officials have been too lax in dealing with student protests on campus..... | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |



Appendix C

Freshman Follow-up Questionnaires

Appendix C-1 1965 follow-up of 1961 freshmen

Appendix C-2 1967 follow-up of 1966 freshmen

Appendix C-3 1968 follow-up of 1967 freshmen

44/417

Appendix C-1

1965 Follow-up Questionnaire of 1961 Freshmen

Dear Student:

You may remember that when you first entered college in 1961 you filled out a brief questionnaire in which you indicated your future educational and career plans. The results of the study based on this questionnaire have recently been published in a small book, Who Goes Where To College? (Science Research Associates of Chicago, 1965).

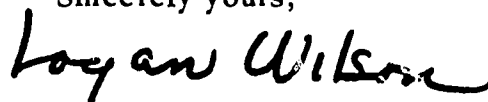
Now that nearly four years have elapsed since the original study, we would like once again to ask you about your current activities and plans and also to get your impressions of your undergraduate college. The purpose of this follow-up study, which is being supported jointly by the National Science Foundation, the U.S. Office of Education, and the National Institutes of Health, is to examine changes in career plans that occur after the student enters college, and to determine some of the factors that influence students to drop out of college, to take up graduate study, or to pursue a particular type of career.

We should greatly appreciate your completing this booklet and returning it to us in the enclosed envelope. All of the information is to be coded and used in group comparisons for research purposes only, so your responses will be kept entirely confidential.

Since we are following up only a limited sample of students, it is important to secure as complete a response as possible. We hope you will be able to participate.

Thank you for your consideration.

Sincerely yours,



Logan Wilson
President

0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9

Is your name and address correct?
Please add your zip code and make
any other changes:

Bureau of the Budget No. 99-6503
Expiration Date: June 15, 1966

© 1965 American Council on Education

52-51-

Social Security Number:

If you should move from your current address and we should lose contact with you, is there some person we could contact who would be likely to know of your whereabouts?

Name _____

Street Address _____

City and State _____

HOW TO MARK THIS BOOKLET: This questionnaire will be read by an automatic scanning device. Certain marking requirements are essential to this process. Your careful observance of these few simple rules will be most appreciated.

- Use black lead pencil only (#2½ or softer).
- Make heavy black marks that fill the circle completely.
- Erase cleanly any answer you wish to change.
- Do not make any stray marks in this booklet.

EXAMPLE: Will marks made with ball pen, fountain pen or colored pencil be properly read? Yes No

1. Please mark one answer in each column:

	<u>Highest Degree Now Held</u>	<u>Highest Degree Planned</u>
None	<input type="radio"/>	<input type="radio"/>
Associate (or equivalent) (A.A., A.S., etc.)	<input type="radio"/>	<input type="radio"/>
Bachelor's Degree (A.B., B.A., B.S., etc.)	<input type="radio"/>	<input type="radio"/>
Master's Degree (M.A., M.S., etc.)	<input type="radio"/>	<input type="radio"/>
Ph.D. or Ed.D.	<input type="radio"/>	<input type="radio"/>
M.D., D.D.S., or D.V.M.	<input type="radio"/>	<input type="radio"/>
L.L.B. or J.D.	<input type="radio"/>	<input type="radio"/>
B.D.	<input type="radio"/>	<input type="radio"/>
Other _____	<input type="radio"/>	<input type="radio"/>

2. When do you expect to obtain your highest degree? (Mark one)

- | | | | |
|----------------------------------|-----------------------|-----------------------|-----------------------|
| I have already obtained it | <input type="radio"/> | 1968 | <input type="radio"/> |
| This year (1965) | <input type="radio"/> | 1969 | <input type="radio"/> |
| 1966 | <input type="radio"/> | Later than 1969 | <input type="radio"/> |
| 1967 | <input type="radio"/> | Not sure | <input type="radio"/> |

3. What occupation do you plan to pursue as a career? _____

4. What is your current (or most recent) undergraduate major field of study? _____

0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

5a. Answer if male: Have you ever served on full-time active duty in the armed services? No ... Yes ... Less than 1 year 2 years 3 years 4 or more

5b. Answer if female: In the long run which one of the following do you really prefer and which one do you realistically expect? (Mark one answer in each column)

	<u>Really prefer</u>	<u>Realistically expect</u>
Housewife only	<input type="radio"/>	<input type="radio"/>
Housewife with occasional employment	<input type="radio"/>	<input type="radio"/>
Housewife for a few years, employment later	<input type="radio"/>	<input type="radio"/>
Housewife with regular employment	<input type="radio"/>	<input type="radio"/>
Employment only	<input type="radio"/>	<input type="radio"/>

6. The following activities cut across a number of jobs. How much of your long-run career work do you expect to devote to each activity? (Mark one for each activity)

	<u>A major amount</u>	<u>A moderate amount</u>	<u>Little or none</u>
Teaching	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Research and development	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Administration or management	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Service to patients or clients	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

7. After completing your studies, which of the following do you expect as your first employer? As your long-run future employer? (If you are still a student, answer in terms of your expectations after you complete your studies.) (Mark one in each column)

	<u>First Employer</u>	<u>Long-run Career Employer</u>
Government:		
Federal	<input type="radio"/>	<input type="radio"/>
State and local	<input type="radio"/>	<input type="radio"/>
Education:		
Elementary & secondary	<input type="radio"/>	<input type="radio"/>
Higher education	<input type="radio"/>	<input type="radio"/>
Other non-profit organizations:		
Hospitals, clinics	<input type="radio"/>	<input type="radio"/>
Social welfare	<input type="radio"/>	<input type="radio"/>
Church	<input type="radio"/>	<input type="radio"/>
Other non-profit organization	<input type="radio"/>	<input type="radio"/>
Business and services:		
Self-employed, or family business	<input type="radio"/>	<input type="radio"/>
Private company	<input type="radio"/>	<input type="radio"/>
Professional partnership	<input type="radio"/>	<input type="radio"/>
Research	<input type="radio"/>	<input type="radio"/>
Other (Mark and specify) _____	<input type="radio"/>	<input type="radio"/>

8. Please account for your activities since entering college in 1961 by marking all activities that apply in each column below. (Please mark at least one in each column)

	<u>Academic Year 1961-62</u>	<u>Summer 1962</u>	<u>Academic Year 1962-63</u>	<u>Summer 1963</u>	<u>Academic Year 1963-64</u>	<u>Summer 1964</u>	<u>Academic Year 1964-65</u>	<u>Summer 1965</u>	<u>Academic Year 1965-66</u>
Full time student:									
for the entire period	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
for part of the period	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Part time student:									
for the entire period	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
for part of the period	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Employed:									
in career-related job	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
in non-career-related job	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Housewife:	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (vacation, illness, etc.) ..	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

9. Where have you lived since entering college in 1961 (exclude vacations; if you lived several places during any year, indicate the place you lived the majority of the time.) (Mark one in each column)

	<u>Year -</u>	<u>1961-62</u>	<u>1962-63</u>	<u>1963-64</u>	<u>1964-65</u>
With parents	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other private home, apartment or room	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
College dormitory	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fraternity or sorority house	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other student housing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (mark and specify) _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

10. In what college did you first enroll (Fall of 1961)?

Name of college _____

Located in _____
City State

11. Since entering this college, have you changed institutions or dropped out of college for any period of time? (Exclude graduation and summer vacations) (Mark one):

No If No, skip to item 17 on the next page.
Yes If Yes, please answer the questions below:

12. Under what conditions did you leave your first institution? (Mark one)

- I was asked to leave because of unsatisfactory academic work (mark and skip to item 15)
- I was asked to leave for disciplinary reasons (mark and skip to item 15)
- I left college voluntarily

13. In deciding to leave your first college, indicate the importance for you of each of the following factors (mark one in each row):

	<u>A major</u> reason for my decision	<u>A minor</u> reason for my decision	<u>Unrelated</u> to my decision
I had changed my career plans	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I was dissatisfied with the environment of the college	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
My scholarship was terminated	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I wanted time to reconsider my interests and career goals	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Marriage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pregnancy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I was tired of being a student	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I could not afford the cost of further education	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
My academic record was unsatisfactory	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I was drafted	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

14. If you had had greater financial resources at your disposal, would you have left this college anyway? (Mark one)

Yes No Not sure

15. Have you attended any other undergraduate institutions since 1961? (Mark one)

- No (mark and skip to item #17)
- Yes, one other institution
- Yes, two other institutions
- Yes, three or more other institutions

16. What is the name of your current (or most recently attended) undergraduate institution?

Name _____

Located in _____
City State



YOUR UNDERGRADUATE INSTITUTION

17. Note: If you did not attend college during the past academic year (1964-65) skip to question 30 on page 8.

Which of the following experiences applies to you during the past year? (Mark either "yes" or "no" for each item.)

	<u>Yes</u>		<u>No</u>
Elected to a student office	<input type="radio"/>	<input type="radio"/>
Played on a varsity athletic team	<input type="radio"/>	<input type="radio"/>
Changed your long-term career plans	<input type="radio"/>	<input type="radio"/>
Flunked a course	<input type="radio"/>	<input type="radio"/>
Changed your major field	<input type="radio"/>	<input type="radio"/>
Fell in love	<input type="radio"/>	<input type="radio"/>
Got married	<input type="radio"/>	<input type="radio"/>
Had a lead in a college play	<input type="radio"/>	<input type="radio"/>
Wrote an article for the school paper or magazine	<input type="radio"/>	<input type="radio"/>

18. Of which of the following college organizations were you a member during the past year?

	<u>Active Member</u>		<u>Inactive Member</u>		<u>Not a Member</u>
National Social Fraternity or Sorority	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Local Social Fraternity or Sorority	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Intramural athletic team	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
College athletic team	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Choir or glee club	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Marching band	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Honorary (subject matter) Fraternity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

19. Below is a list of things that college students sometimes do. Indicate which of these things you did during the past year in college. (Exclude things which you did only while on vacation.) If you engaged in an activity regularly with a frequency appropriate for that activity, mark the circle under "frequently." If you engaged in an activity one or more times, but not frequently, mark the circle under "occasionally." Mark under "not at all" if you never performed the activity. (Mark one for each item)

	<i>Frequently</i>	<i>Occasionally</i>	<i>Not at all</i>		<i>Frequently</i>	<i>Occasionally</i>	<i>Not at all</i>
Stayed up all night	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Became intoxicated	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Came late to class	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Drank wine	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Prayed (not including grace before meals)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Went to the movies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Listened to New Orleans (Dixieland) Jazz	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Discussed how to make money with other students	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Gambled with cards or dice	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Listened to folk music	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lost privileges for infraction of college rules	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Attended a public recital or concert	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Played a musical instrument	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Made wisecracks in class	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Took a nap or rest during the day	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Arranged a date for another student	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Drove a car	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Went to an overnight or week- end party	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Discussed sex with friends	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Took weight-reducing or dietary formula	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Drank beer	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Argued with other students	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Voted in a student election	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Been interviewed as a client in the college counseling center ...	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Studied in the library	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Called a teacher by his first name	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Attended a ballet performance	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Checked out a book or journal from the college library	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Overslept and missed a class or appointment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Tried on clothes in a store without buying anything	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Had a blind date	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Asked questions in class	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Drank in a bar or club	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>				
Attended church	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>				
Participated in informal group singing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>				
Cheated on examinations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>				

20. What was the frequency of your dates during the past year? Indicate the average number of dates of each type that you had per month. If less than one every two months, mark "none". (If married, indicate the number of times you and your spouse went out together to these events.)

	Average Number Per Month					
	None	1	2 to 3	4 to 5	6 to 9	10 or more
Casual coke, coffee or study dates	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Informal dates to movies, student gatherings, etc.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Formal dates to dances and big parties	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

21. Description of One of Your Classes:

Name below the course you took this past year which was most closely related to your primary field of interest. _____
Name of Course

What was the academic rank of the teacher? (Mark one) Department _____ Time at which class met _____
 Instructor Assistant professor Associate professor
 Full professor Lecturer (or other)

22. Approximate number of students in class: (Mark one)

14 or less <input type="radio"/>	25 - 29 <input type="radio"/>	40 - 44 <input type="radio"/>
15 - 19 <input type="radio"/>	30 - 34 <input type="radio"/>	45 - 49 <input type="radio"/>
20 - 24 <input type="radio"/>	35 - 39 <input type="radio"/>	50 or more <input type="radio"/>

23. Number of class sessions per week. (Mark one)

One Two Three Four or more

24. Please mark "yes" for all the following statements which apply to this course. Mark "no" if the statement does not apply. (If the course had a lab portion, mark "yes" only for those items which apply to the lecture portion.)

	Yes	No		Yes	No
The class met only at a regularly scheduled time and place	<input type="radio"/>	<input type="radio"/>	Students had assigned seating	<input type="radio"/>	<input type="radio"/>
The instructor had a good sense of humor	<input type="radio"/>	<input type="radio"/>	Attendance was usually taken every day	<input type="radio"/>	<input type="radio"/>
The instructor was often sarcastic in class	<input type="radio"/>	<input type="radio"/>	The instructor spoke in a monotone	<input type="radio"/>	<input type="radio"/>
Students were permitted to smoke in class	<input type="radio"/>	<input type="radio"/>	The instructor was often dull	<input type="radio"/>	<input type="radio"/>
The class was taught by a graduate student	<input type="radio"/>	<input type="radio"/>	The instructor knew me by name	<input type="radio"/>	<input type="radio"/>
The lectures followed the text book closely	<input type="radio"/>	<input type="radio"/>	The instructor was engaged in research of some kind	<input type="radio"/>	<input type="radio"/>
The instructor was a woman	<input type="radio"/>	<input type="radio"/>	We sometimes had unannounced or "pop" quizzes	<input type="radio"/>	<input type="radio"/>
The instructor called students by their first name	<input type="radio"/>	<input type="radio"/>	The examinations were usually of the "objective" type (multiple choice, matching, etc.) rather than the "essay" type	<input type="radio"/>	<input type="radio"/>
The instructor encouraged a lot of class discussion	<input type="radio"/>	<input type="radio"/>	I almost never spoke in class unless I was called on	<input type="radio"/>	<input type="radio"/>
The instructor was exceptionally well-grounded in the course subject matter	<input type="radio"/>	<input type="radio"/>	If he had wanted, a student could probably have passed this course mainly on "bluff"	<input type="radio"/>	<input type="radio"/>
The instructor outlined the day's lecture or discussion at the beginning of each class	<input type="radio"/>	<input type="radio"/>	I sometimes argued openly with other students in the class	<input type="radio"/>	<input type="radio"/>
I sometimes argued openly with the instructor	<input type="radio"/>	<input type="radio"/>	I knew the instructor's first name	<input type="radio"/>	<input type="radio"/>
I took notes regularly in class	<input type="radio"/>	<input type="radio"/>	I knew which institution awarded the instructor his degree	<input type="radio"/>	<input type="radio"/>
I usually typed my written assignments ...	<input type="radio"/>	<input type="radio"/>	I usually did all of the assigned reading in this course	<input type="radio"/>	<input type="radio"/>
I was in the instructor's office one or more times	<input type="radio"/>	<input type="radio"/>			
I was a guest in the instructor's home one or more times	<input type="radio"/>	<input type="radio"/>			
The instructor was enthusiastic	<input type="radio"/>	<input type="radio"/>			

25. Impressions of Your Undergraduate College: Answer each of the following as it applies to your college (the one attended during the past year)

	<u>Yes</u>	<u>No</u>
The students are under a great deal of pressure to get high grades	<input type="radio"/>	<input type="radio"/>
The student body is apathetic and has little "school spirit"	<input type="radio"/>	<input type="radio"/>
Most of the students are of a very high calibre academically	<input type="radio"/>	<input type="radio"/>
There is a keen competition among most of the students for high grades	<input type="radio"/>	<input type="radio"/>
Freshmen have to take orders from upperclassmen for a period of time	<input type="radio"/>	<input type="radio"/>
There isn't much to do except go to class and study	<input type="radio"/>	<input type="radio"/>
I felt "lost" when I first came to the campus	<input type="radio"/>	<input type="radio"/>
Being in this college builds poise and maturity	<input type="radio"/>	<input type="radio"/>
Athletics are overemphasized	<input type="radio"/>	<input type="radio"/>
The classes are usually run in a very informal manner	<input type="radio"/>	<input type="radio"/>
Most students are more like "numbers in a book"	<input type="radio"/>	<input type="radio"/>

26. How many students did you call 5 or less 6-10 11-20 21-50 51-100 101-200 More
by their first names or by nickname?
(Estimate this as best you can)

How many of these students did you consider close friends?

27. To what extent does each of the following describe the psychological climate or atmosphere at this college? (Mark one column for each)

	<u>Very Descriptive</u>	<u>In-Between</u>	<u>Not at all Descriptive</u>
Intellectual	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Snobbish	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Social	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Victorian	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Practical-minded	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Warm	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Realistic	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Liberal	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

28. What is your over-all evaluation of this institution? (Mark one)

Very satisfied with my college

Satisfied with my college

On the fence

Dissatisfied with my college

Very dissatisfied with my college

29. All in all, in terms of your own needs and desires, how much of the following did you receive during the past year? (Mark the appropriate column after each item)

	<u>Too much or Too many</u>	<u>Just about the right amount</u>	<u>Not enough</u>
Freedom in course selection	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Social life	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Personal contacts with classmates	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Work required of you in courses	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Outlets for creative activities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sleep	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Exercise	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Personal contacts with faculty	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Personal contacts with family	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Advice and guidance from faculty and staff	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

RECENT AND CURRENT ACTIVITIES

30. Since the Fall of 1961 how many years of undergraduate and graduate education have you completed? (Try to convert any part-time attendance into full-time equivalents):

- Less than one term (quarter, semester, trimester)
- Less than one year
- One year (but less than two)
- Two years (but less than three)
- Three years (but less than four)
- Four years (or more)

31. How have you financed your college and living expenses during your undergraduate years? (Mark the appropriate percentage in each row below):

	<u>None</u>	<u>1-20%</u>	<u>21-40%</u>	<u>41-60%</u>	<u>61-80%</u>	<u>81-100%</u>
a. Support from your parents	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. Support from your spouse	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. Scholarship or fellowship from:						
your college	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
state or local government	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Federal government	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. Earnings from your own employment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e. Loans:						
from the Federal government	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
from your state or local government	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
from your college	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
commercial	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f. Other sources (savings, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

32. How much money have you earned from summer work since entering college? (Mark one response in each row)

	<u>None</u>	<u>\$1-99</u>	<u>\$100-199</u>	<u>\$200-299</u>	<u>\$300-499</u>	<u>\$500-599</u>	<u>\$600-699</u>	<u>\$700-999</u>	<u>\$1000 or more</u>
Summer 1962	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Summer 1963	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Summer 1964	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Summer 1965	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

33. Estimate your average undergraduate grade (or grade point average) so far: (Mark one)

	<u>Over-all</u>	<u>In major subject</u>
3.75 - 4.00 (A or A+)	<input type="radio"/>	<input type="radio"/>
3.25 - 3.74 (A- or B+)	<input type="radio"/>	<input type="radio"/>
2.75 - 3.24 (B)	<input type="radio"/>	<input type="radio"/>
2.25 - 2.74 (B- or C+)	<input type="radio"/>	<input type="radio"/>
1.75 - 2.24 (C)	<input type="radio"/>	<input type="radio"/>
1.25 - 1.74 (C- or D+)	<input type="radio"/>	<input type="radio"/>
Less than 1.25 (D or less)	<input type="radio"/>	<input type="radio"/>

34. Do you plan to enroll (or are you enrolled) in graduate or professional school?

- Yes, immediately after completing college
(mark and skip to #35 on the next page)
- Yes, but not immediately after college
- Not sure
- No (mark and skip to #45 on page 10)



Which of the following factors best describes your reason for not enrolling in graduate or professional school right away? (Mark only one)

- Lack of finances
- Decided to work, because of attractive job offer
- Marriage or family responsibilities
- Lack of necessary undergraduate course requirements
- Not accepted in graduate school
- Faculty advised against it

35. When will you enroll in graduate or professional school? (Mark one)

- I am already enrolled
- This year (1965)
- Next year (1966)
- Not sure when (mark and skip to #45) on the next page

36. To begin with, will you attend (or are you attending) graduate or professional school on a (mark one):

- Full time basis? Part time basis? Not sure

37. To how many graduate institutions did you apply for admission, and how many acceptances did you receive?

- | | <u>None</u> | <u>One</u> | <u>Two</u> | <u>Three</u> | <u>Four</u> | <u>5 or more</u> |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Number of graduate institutions applied to | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Number of acceptances | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

38. Where do you plan to attend (or are you attending) graduate or professional school?

Name of Institution _____
 Located in _____
City State

39. In what department or school will (or did) you enroll? _____

Graduate Field of Study

40. Is the above your (mark one):

- First choice institution? Second choice institution?
 Less than second choice institution?

41. For Medical Students Only: Which of the following best describes the kind of practice you expect to have after you complete your training? (Mark one)

- Individual practice
- Group practice
- Clinic or hospital practice, on salary
- Salaried practice for an institution or industry
- Other (mark and specify) _____

How large a part do you think formal research will play in your practice? (Mark one)

- A major part
- Some part, but not a major part
- No part at all

42. Have you applied for or received any financial assistance (fellowships, assistantships, etc.) for your graduate or professional education? (Mark one)

- Yes No (mark and skip to item #45 on the next page

43. Mark all that apply below:

<u>Source of Stipend</u>	<u>Applied for (or was nominated)</u>	<u>Award not offered</u>	<u>Award offered & I:</u>	
			<u>accepted</u>	<u>refused</u>
I. Federal Government				
A. Atomic Energy Commission	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
B. Department of Defense	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
C. National Science Foundation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
D. Veterans Administration	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
E. National Aeronautics and Space Administration	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
F. U. S. Office of Education:				
National Defense Education Act	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other Office of Education	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
G. U.S. Public Health Service	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
N.I.H. Fellowship Program	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
N.I.H. Training Grant and Traineeship Program	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other Public Health Service	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
H. Other Federal Government	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
II. Woodrow Wilson National Fellowship	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
III. Other private source	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
IV. Directly from the school that I am (or will be) attending	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
V. Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

44. Which of the following best describes the type of stipend that you now hold? (Mark one)

- Teaching Assistantship
- Research Assistantship
- Work free stipend (equal to or less than tuition)
- Work free stipend (tuition plus cash grant)
- No stipend awarded

45. In an average day during the past year, how much time did you spend in each of the following activities?

	<u>Average number of hours per day</u>										
	0	1	2	3	4	5	6	7	8	9	10(+)
Studying for class assignments ("zero" if not enrolled during the past year)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reading for pleasure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sleeping	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Attending movies or plays	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Playing games (cards, chess, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Domestic duties (including child care)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

46. Since entering college in 1961, which of the following applies to you? (Mark "yes" or "no" for each):

	<u>Yes</u>	<u>No</u>
Participated in the Undergraduate Research Participation (URP) program sponsored by the National Science Foundation	<input type="radio"/>	<input type="radio"/>
If "yes", please indicate when you participated:		
from _____ to _____		
Month Year Month Year		
Been placed on academic probation	<input type="radio"/>	<input type="radio"/>
Assisted on a professor's research project	<input type="radio"/>	<input type="radio"/>
Worked on an independent research project	<input type="radio"/>	<input type="radio"/>
Been elected to "Who's Who in American Colleges"	<input type="radio"/>	<input type="radio"/>
Been elected to Phi Beta Kappa (or comparable academic honorary society)	<input type="radio"/>	<input type="radio"/>
Graduated (or expect to graduate) with honors	<input type="radio"/>	<input type="radio"/>
Served as a laboratory assistant	<input type="radio"/>	<input type="radio"/>
Participated in departmental honors program	<input type="radio"/>	<input type="radio"/>
Participated in general honors program	<input type="radio"/>	<input type="radio"/>
Was author or co-author of an article in a scientific publication	<input type="radio"/>	<input type="radio"/>
Was author or co-author of an article in other scholarly or literary publication	<input type="radio"/>	<input type="radio"/>

47. Since entering college in 1961, have you received any professional vocational counseling?
(Mark one)

- No
- Yes:
 - one hour or less
 - two - three hours
 - four - five hours
 - six - nine hours
 - ten or more hours

48. Have you ever been married? (Mark one)

- No (skip to #51)
- Yes:
 - now living with spouse
 - separated
 - divorced
 - widowed

49. When were you married? (Mark one)

- Before entering college
- While in college:
 - in 1961
 - in 1962
 - in 1963
 - in 1964
 - in 1965
- After leaving college (or graduating)

50. How many children do you have (include current pregnancy)?

- None Two
- One Three or more

51. Please estimate for the coming year your average monthly income before taxes and deductions. (If married, report totals for your family.) (Mark one in each column.)

	<u>From your own work or employment</u>	<u>Total (incl. spouse)</u>
None	<input type="radio"/>	<input type="radio"/>
Under \$100	<input type="radio"/>	<input type="radio"/>
\$100 - \$249	<input type="radio"/>	<input type="radio"/>
\$250 - \$499	<input type="radio"/>	<input type="radio"/>
\$500 - \$749	<input type="radio"/>	<input type="radio"/>
\$750 - \$999	<input type="radio"/>	<input type="radio"/>
\$1000 - \$1249	<input type="radio"/>	<input type="radio"/>
\$1250 - \$1499	<input type="radio"/>	<input type="radio"/>
\$1500 and up	<input type="radio"/>	<input type="radio"/>

52. Please indicate the national origin of your parents (Mark one in each column).

	<u>Father</u>	<u>Mother</u>
North America	<input type="radio"/>	<input type="radio"/>
South America	<input type="radio"/>	<input type="radio"/>
Britain and Western Europe	<input type="radio"/>	<input type="radio"/>
Eastern Europe	<input type="radio"/>	<input type="radio"/>
Asia	<input type="radio"/>	<input type="radio"/>
Africa	<input type="radio"/>	<input type="radio"/>
Other (mark and specify) _____	<input type="radio"/>	<input type="radio"/>



53. What is the highest level of formal education obtained by your parents? (Mark one in each column):

	<u>Father</u>	<u>Mother</u>
Grammar school	<input type="radio"/>	<input type="radio"/>
Some high school	<input type="radio"/>	<input type="radio"/>
High school graduate	<input type="radio"/>	<input type="radio"/>
Some college	<input type="radio"/>	<input type="radio"/>
College degree	<input type="radio"/>	<input type="radio"/>
Post-graduate degree	<input type="radio"/>	<input type="radio"/>

54. Please estimate the total current income of your parents. (Mark one)

Less than \$ 4,000 per year	<input type="radio"/>	\$16,000 - \$18,999	<input type="radio"/>
4,000 - 6,999	<input type="radio"/>	19,000 - 21,999	<input type="radio"/>
7,000 - 9,999	<input type="radio"/>	22,000 - 24,999	<input type="radio"/>
10,000 - 12,999	<input type="radio"/>	25,000 or more	<input type="radio"/>
13,000 - 15,999	<input type="radio"/>		

55. What is your racial background? (Mark one)

White Negro American Indian
 Oriental Other (mark and specify) _____

56. Please mark one answer in each column below:

	<u>Religion in which you were reared</u>	<u>Present religious preference</u>
Protestant (mark and specify) _____	<input type="radio"/>	<input type="radio"/>
Roman Catholic	<input type="radio"/>	<input type="radio"/>
Jewish	<input type="radio"/>	<input type="radio"/>
Other (mark and specify) _____	<input type="radio"/>	<input type="radio"/>
None	<input type="radio"/>	<input type="radio"/>

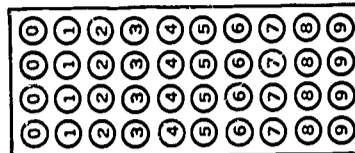
57. Below is a listing of possible legal and social changes affecting women in the U. S. In your opinion, how important or desirable would each of these changes be? (Mark one for each item)

	<u>Essential</u>	<u>Desirable</u>	<u>Not Sure</u>	<u>Not Desirable</u>	<u>Detri- mental</u>
Ask parents, high school teachers and counselors to urge qualified girls to continue education for occupations which are now held mainly by men	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Make available professionally supervised child care facilities for children of working mothers at all economic levels	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Change the income tax laws to permit working mothers to deduct all costs of child care in home	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Make paid maternity leave or comparable insurance benefits available to all working mothers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ask private and public organizations to make a concentrated effort to give money to qualified women for further education at all levels	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Encourage women to seek elective and appointive posts at local, state and national levels of government	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

THIS IS THE END OF THE QUESTIONNAIRE * * * * * THANK YOU

Appendix C-2

1967 Follow-up Questionnaire of 1966 Freshmen



Dear Student:

You may remember that when you first entered college in 1966 you completed a brief information form in which you indicated your educational and career plans. Our research staff is now engaged in several studies that are intended to contribute to an understanding of how students are affected by their college experiences. Such studies will yield useful information for re-examining educational policy and practice.

We should greatly appreciate your completing this brief questionnaire and returning it to us in the enclosed envelope. All of the information is to be coded and used in group comparisons for research purposes only, so your responses will be held in the strictest professional confidence.

Since we are following up only a limited sample of students, it is important to secure as complete a response as possible. We hope that you will be able to participate.

Thank you for your consideration.

Sincerely yours,

Logan Wilson

Logan Wilson, President

DIRECTIONS: Your responses will be read by an automatic scanning device. Your careful observance of these few simple rules will be most appreciated.

Use only black lead pencil (No. 2½ or softer).
Make heavy black marks that fill the circle.
Erase cleanly any answer you wish to change.
Make no stray markings of any kind.

Example: Will marks made with ball pen or fountain pen be properly read? Yes No

1. Your Sex: Male Female

2. Please estimate your average grade so far in college.

A or A+ B C
A- B- D
B+ C+

3. What is the highest academic degree that you intend to obtain? (Mark one)

None
Associate (or equivalent)
Bachelor's degree (B.A., B.S., etc.)
Master's degree (M.A., M.S., etc.)
Ph.D. or Ed. D.
M.D., D.D.S., or D.V.M.
LL.B. or J.D.
B.D.
Other

4. Since entering college in 1966, how much undergraduate education have you completed? (Convert part-time attendance into full-time equivalents):

Less than one term (quarter, semester, trimester)
More than one term but less than one academic year
One academic year
More than one academic year

5. Since entering college in the fall of 1966 have you changed institutions or dropped out of college for any period of time? (Mark only one)

No and I plan to attend the same college this fall
No but I do not plan to return to the same college this fall
Yes I was asked to leave because of unsatisfactory academic work
Yes I was asked to leave for disciplinary reasons
Yes I left college voluntarily

6. Will you be a full-time student this fall (1967)? (Mark one)

Yes
No, primarily because of (mark the one most important reason):
a change in my interests and/or career goals
dissatisfaction with college
limited finances
recent or impending marriage
my poor academic record
the draft
illness or accident
other reason

7. How much money have you earned since entering college in 1966?

	None	\$1-- \$199	\$200-- \$399	\$400-- \$599	\$600-- \$799	\$800-- \$999	\$1,000 or more
Academic year 1966-1967	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Summer 1967	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

8. Where did you live for most of the time while you were growing up?
- On a farm
 - In a small town
 - In a moderate size town or city
 - In the suburb of a large city
 - In a large city

9. Where have you lived since entering college in 1966? (If you lived in several places mark the one place you lived the majority of the time.) Mark one in each column.

	Fall 1966	Winter- Spring 1966-67	Summer 1967
With parents.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other private home, apartment or room	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
College dormitory	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fraternity or sorority house	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other campus student housing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

10. Indicate below the source(s) you used to finance your college and living expenses last year. (Mark one in each row)

	Not a Source	Minor Source (1% - 25%)	Major Source (26% - 50%)	Major Source (more than 50%)
Support from family (excluding repayable loans)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Employment during college year	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Summer employment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Scholarship or gift from:				
State or local government	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Federal government	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Private source (individual, Foundation, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Your college (other than above)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Repayable loans from:				
Your college	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
State or local government	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Federal Government	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A bank or other commercial organization	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other repayable loan	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other sources (personal savings, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

11. All in all, in terms of your own needs and desires, how much of the following did you receive during the past year at college? (Mark one in each row)

	Too much or Too many	Just about the right amount	Not enough
Freedom in course selection	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Social life	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Personal contacts with classmates	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Work required of you in courses	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Outlets for creative activities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sleep	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Exercise	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Personal contacts with faculty	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Personal contacts with family	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Advice and guidance from faculty and staff	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

12. To what extent do you think each of the following describes the psychological climate or atmosphere at your college?

(Mark one answer for each item)

	Very Descriptive	In Between	Not at all Descriptive
Intellectual	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Snobbish	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Social	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Victorian	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Practical-minded	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Warm	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Realistic	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Liberal	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

13. Answer each of the following as you think it applies to your college:

	Yes	No
The students are under a great deal of pressure to get high grades	<input type="radio"/>	<input type="radio"/>
The student body is apathetic and has little "school spirit"	<input type="radio"/>	<input type="radio"/>
Most of the students are of a very high calibre academically	<input type="radio"/>	<input type="radio"/>
There is a keen competition among most of the students for high grades	<input type="radio"/>	<input type="radio"/>
Freshmen have to take orders from upper-classmen for a period of time	<input type="radio"/>	<input type="radio"/>
There isn't much to do except to go to class and study	<input type="radio"/>	<input type="radio"/>
I felt "lost" when I first came to the campus	<input type="radio"/>	<input type="radio"/>
Being in this college builds poise and maturity	<input type="radio"/>	<input type="radio"/>
Athletics are overemphasized	<input type="radio"/>	<input type="radio"/>
The classes are usually run in a very informal manner	<input type="radio"/>	<input type="radio"/>
Most students are more like "numbers in a book"	<input type="radio"/>	<input type="radio"/>

14. Which of the following experiences applies to you during the past year? (Mark all that apply)

	Yes
Elected to a student office	<input type="radio"/>
Played on a varsity athletic team	<input type="radio"/>
Changed your long-term career plans	<input type="radio"/>
Flunked a course	<input type="radio"/>
Changed your major field	<input type="radio"/>
Fell in love	<input type="radio"/>
Got married	<input type="radio"/>
Had a lead in a college play	<input type="radio"/>
Wrote an article for the school paper or magazine	<input type="radio"/>
Received treatment in the Student Health Center	<input type="radio"/>
Participated in an honors program	<input type="radio"/>

15. Mark only three responses, one in each column.

Your probable career occupation.
 Your father's occupation.
 Your mother's occupation.

NOTE: If your father (or mother) is deceased, please indicate his (her) last occupation.

- Accountant or actuary
- Actor or entertainer
- Architect
- Artist
- Business (clerical)
- Business executive (management, administrator)
- Business owner or proprietor
- Business salesman or buyer
- Clergyman (minister, priest)
- Clergy (other religious)
- Clinical psychologist
- College teacher
- Computer programmer
- Conservationist or forester
- Dentist (including orthodontist) ...
- Dietitian or home economist
- Engineer
- Farmer or rancher
- Foreign service worker (including diplomat)
- Housewife
- Interior decorator (including designer)
- Interpreter (translator)
- Lab technician or hygienist
- Law enforcement officer
- Lawyer (attorney)
- Military service (career)
- Musician (performer, composer) ...
- Nurse
- Optometrist
- Pharmacist
- Physician
- School counselor
- School principal or superintendent
- Scientific researcher
- Social worker
- Statistician
- Therapist (physical, occupational, speech)
- Teacher (elementary)
- Teacher (secondary)
- Veterinarian
- Writer or journalist
- Skilled trades
- Other
- Undecided
- Laborer (unskilled)
- Semi-skilled worker
- Other occupation
- Unemployed

16. What action would be taken by the administration at your college if a student in your living quarters were known to have done the following? (Mark one response for each item)

NOTE: If you lived only at home, skip this question.

	No policy against this	Reprimand or minor disciplinary action	Major disciplinary action (possible expulsion from college)	Sure expulsion from college
Coming in from a date two hours late	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cheating on exams	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Drinking in living quarters	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Being drunk	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Being alone with a date in your room during the day	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Being alone with a date in your room at night	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Staying off campus overnight without permission	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Organizing a student demonstration against some administrative policy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Writing off color stories in a student publication	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Participating in a water fight or dormitory raid	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Using LSO	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Using marijuana	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

17. Think about the course you took this past year which was most closely related to your primary field of interest. Please mark "yes" for all the following statements which apply to this course. (If the course had a lab portion, mark "yes" only for those items which apply to the lecture portion.)

- The class met only at a regularly scheduled time and place Yes
- Students had assigned seating
- The lectures followed the textbook closely
- The instructor called students by their first names
- The instructor encouraged a lot of class discussion
- I knew the instructor's first name
- I was in the instructor's office one or more times
- The instructor was enthusiastic
- The instructor had a good sense of humor
- The instructor was often dull and uninteresting
- The instructor knew me by name
- I sometimes argued openly with the instructor
- I usually typed my written assignments
- I was a guest in the instructor's home one or more times

18. Of which of the following college organizations were you a member during the past year? (Mark all that apply)

- National Social Fraternity or Sorority Yes
- Local Social Fraternity or Sorority
- Intramural athletic team
- College athletic team
- Choir or glee club
- Marching band
- Honorary (subject matter) Fraternity

19. Since entering college have you received any professional vocational counseling?

- No
- Yes: one hour or less
- 2-3 hours
- 4-5 hours
- more than 5 hours



20. Below is a general list of things that students sometimes do.

Indicate which of these things you did during the past year.

If you engaged in an activity frequently, mark "F."

If you engaged in an activity one or more times, but not frequently, mark "O" (occasionally). Mark "N" (not at all) if you have not performed the activity

during the past year. (Mark one for each item)

- | | | | |
|--|------------|--------------|------------|
| | Frequently | Occasionally | Not at all |
| Voted in a student election..... | (F) | (O) | (N) |
| Came late to class..... | (F) | (O) | (N) |
| Listened to New Orleans's (Dixieland) jazz..... | (F) | (O) | (N) |
| Gambled with cards or dice..... | (F) | (O) | (N) |
| Played a musical instrument..... | (F) | (O) | (N) |
| Took a nap or rest during the day..... | (F) | (O) | (N) |
| Drove a car..... | (F) | (O) | (N) |
| Stayed up all night..... | (F) | (O) | (N) |
| Studied in the library..... | (F) | (O) | (N) |
| Attended a ballet performance..... | (F) | (O) | (N) |
| Participated on the speech or debate team..... | (F) | (O) | (N) |
| Acted in plays..... | (F) | (O) | (N) |
| Sang in a choir or glee club..... | (F) | (O) | (N) |
| Argued with other students..... | (F) | (O) | (N) |
| Called a teacher by his or her first name..... | (F) | (O) | (N) |
| Wrote an article for the college paper or literary magazine..... | (F) | (O) | (N) |
| Had a blind date..... | (F) | (O) | (N) |
| Wrote a short story or poem (not for class)..... | (F) | (O) | (N) |
| Played in the college band..... | (F) | (O) | (N) |
| Played in the college orchestra..... | (F) | (O) | (N) |
| Smoked cigarettes..... | (F) | (O) | (N) |
| Attended Sunday school..... | (F) | (O) | (N) |
| Checked out a book or journal from the college library..... | (F) | (O) | (N) |
| Went to the movies..... | (F) | (O) | (N) |
| Discussed how to make money with other students..... | (F) | (O) | (N) |
| Said grace before meals..... | (F) | (O) | (N) |
| Prayed (not including grace before meals)..... | (F) | (O) | (N) |
| Listened to folk music..... | (F) | (O) | (N) |
| Attended a public recital or concert..... | (F) | (O) | (N) |
| Made wisecracks in class..... | (F) | (O) | (N) |
| Arranged a date for another student..... | (F) | (O) | (N) |
| Went to an over-night or week-end party..... | (F) | (O) | (N) |
| Took weight-reducing or dietary formula..... | (F) | (O) | (N) |
| Drank beer..... | (F) | (O) | (N) |
| Overslept and missed a class or appointment..... | (F) | (O) | (N) |
| Typed a homework assignment..... | (F) | (O) | (N) |
| Participated in an informal group sing..... | (F) | (O) | (N) |
| Drank wine..... | (F) | (O) | (N) |
| Cribbed on an examination..... | (F) | (O) | (N) |
| Turned in a paper or theme late..... | (F) | (O) | (N) |
| Tried on clothes in a store without buying anything..... | (F) | (O) | (N) |
| Asked questions in class..... | (F) | (O) | (N) |
| Attended church..... | (F) | (O) | (N) |
| Participated in a demonstration against racial discrimination..... | (F) | (O) | (N) |
| Participated in a demonstration against some administrative policy of the college..... | (F) | (O) | (N) |
| Participated in a demonstration against the war in Viet Nam..... | (F) | (O) | (N) |
| Had psychotherapy or personal counseling..... | (F) | (O) | (N) |
| Tried to get an instructor to change a test or course grade..... | (F) | (O) | (N) |
| Slept or dozed in class..... | (F) | (O) | (N) |
| Got a traffic ticket..... | (F) | (O) | (N) |
| Tutored another student..... | (F) | (O) | (N) |

21. Indicate the importance to you personally of each of the following: (Mark one for each item)

- | | | | | |
|---|-----------|----------------|--------------------|---------------|
| | Essential | Very Important | Somewhat Important | Not Important |
| Becoming accomplished in one of the performing arts (acting, dancing, etc.)..... | (E) | (V) | (S) | (N) |
| Becoming an authority on a special subject in my subject field..... | (E) | (V) | (S) | (N) |
| Obtaining recognition from my colleagues for contributions in my special field..... | (E) | (V) | (S) | (N) |
| Becoming an accomplished musician (performer or composer) .. | (E) | (V) | (S) | (N) |
| Becoming an expert in finance and commerce..... | (E) | (V) | (S) | (N) |
| Having administrative responsibility for the work of others.... | (E) | (V) | (S) | (N) |
| Being very well-off financially..... | (E) | (V) | (S) | (N) |
| Helping others who are in difficulty..... | (E) | (V) | (S) | (N) |
| Participating in an organization like the Peace Corps or Vista..... | (E) | (V) | (S) | (N) |
| Becoming an outstanding athlete..... | (E) | (V) | (S) | (N) |
| Becoming a community leader..... | (E) | (V) | (S) | (N) |
| Making a theoretical contribution to science..... | (E) | (V) | (S) | (N) |
| Writing original works (poems, short stories, etc.)..... | (E) | (V) | (S) | (N) |
| Never being obligated to people..... | (E) | (V) | (S) | (N) |
| Creating artistic work (painting, sculpture, decorating, etc.).... | (E) | (V) | (S) | (N) |
| Keeping up to date with political affairs..... | (E) | (V) | (S) | (N) |
| Being successful in a business of my own..... | (E) | (V) | (S) | (N) |

22. Rate yourself on each of the following traits as you really think you are when compared with the average student of your own age. We want the most accurate estimate of how you see yourself. (Mark one for each item)

Trait	Highest 10 Percent		Above Average		Below Average		Lowest 10 Percent	
Academic ability.....	()	()	()	()	()	()	()	()
Athletic ability.....	()	()	()	()	()	()	()	()
Artistic ability.....	()	()	()	()	()	()	()	()
Cheerfulness.....	()	()	()	()	()	()	()	()
Defensiveness.....	()	()	()	()	()	()	()	()
Drive to achieve.....	()	()	()	()	()	()	()	()
Leadership ability.....	()	()	()	()	()	()	()	()
Mathematical ability.....	()	()	()	()	()	()	()	()
Mechanical ability.....	()	()	()	()	()	()	()	()
Originality.....	()	()	()	()	()	()	()	()
Political conservatism.....	()	()	()	()	()	()	()	()
Political liberalism.....	()	()	()	()	()	()	()	()
Popularity.....	()	()	()	()	()	()	()	()
Popularity with the opposite sex.....	()	()	()	()	()	()	()	()
Public speaking ability.....	()	()	()	()	()	()	()	()
Self-confidence (intellectual).....	()	()	()	()	()	()	()	()
Self-confidence (social).....	()	()	()	()	()	()	()	()
Sensitivity to criticism.....	()	()	()	()	()	()	()	()
Stubbornness.....	()	()	()	()	()	()	()	()
Understanding of others.....	()	()	()	()	()	()	()	()
Writing ability.....	()	()	()	()	()	()	()	()

23. What is your over-all evaluation of your college? (Mark one)

- Very satisfied with my college..... ()
- Satisfied with my college..... ()
- On the fence..... ()
- Dissatisfied with my college..... ()
- Very dissatisfied with my college..... ()

Appendix C-3

1968 Follow-up Questionnaire of 1967 Freshmen

Dear Student:

You may remember that when you first entered college in 1967 you completed a brief information form in which you indicated your educational and career plans. Our research staff is now engaged in several studies that are intended to contribute to an understanding of how students are affected by their college experiences. Such studies will yield useful information for re-examining educational policy and practice.

We should greatly appreciate your completing this brief questionnaire and returning it to us in the enclosed envelope. All of the information is to be coded and used in group comparisons for research purposes only, so your responses will be held in the strictest professional confidence.

Since we are following up only a limited sample of students, it is important to secure as complete a response as possible. We hope that you will be able to participate.

Thank you for your consideration.

Sincerely yours,

Logan Wilson

Logan Wilson, President

0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9

DIRECTIONS: Your responses will be read by an automatic scanning device. Your careful observance of these few simple rules will be most appreciated.

Use only black lead pencil (No. 2½ or softer). Make heavy black marks that fill the circle. Erase cleanly any answer you wish to change. Make no stray markings of any kind. Yes No

Example: Will marks made with ball pen or fountain pen be properly read? Yes No

1. Please estimate your average grade so far in college. (Mark only one)
A or A+ A- B+ B B- C+ C D

2. Since entering college in 1967, how much undergraduate education have you completed? (Convert part-time attendance into full-time equivalents):
Less than one term (quarter, semester, trimester)... One academic year...
More than one term but less than one academic year... More than one academic year...

3. Since entering college in the fall of 1967 have you changed institutions or dropped out of college for any period of time? (Mark only one)
No and I plan to attend the same college this fall...
No but I do not plan to return to the same college this fall...
Yes I was asked to leave because of unsatisfactory academic work...
Yes I was asked to leave for disciplinary reasons...
Yes I left college voluntarily...

4. Will you be a full-time student this fall (1968)? (Mark one)
Yes...
No, primarily because of (mark the one most important reason):
a change in my interests and/or career goals...
dissatisfaction with college...
limited finances...
recent or impending marriage...
pregnancy, children, or other family responsibilities...
my poor academic record...
the draft...
illness or accident...
other reason...

5. Where did you live for most of the time while you were growing up?
On a farm...
In a small town...
In a moderate size town or city...
In the suburb of a large city...
In a large city...

6. Where have you lived since entering college in 1967? (If you lived in several places mark the one place you lived the majority of the time.)
Mark one in each column:
Fall 1967 Winter-Spring 1967-68 Summer 1968

With parents.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other private home, apartment or room....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
College dormitory.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fraternity or sorority house.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other campus student housing.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

7. How long did it take you to get from your residence to your nearest class? (Mark one)
Less than 5 minutes... 30-45 minutes...
5-14 minutes... More than 15-29 minutes... 45 minutes...

8. Did you have one or more roommates during the school year? (Mark one)
Yes, he (she) Yes, I chose
No... was assigned him (her)...

9. Through what source did you finance the first year of your undergraduate education? (Mark one in each row)

Personal savings and/or employment..	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Parental or other family aid.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Repayable loan.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Scholarship, grant, or other gift.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Major Source
Minor Source
Not a Source



10. All in all, in terms of your own needs and desires, how much of the following did you receive during the past year of college?
(Mark one in each row)

	Too much or Too many	Just about the right amount	Not enough
Freedom in course selection	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Social life	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Personal contacts with classmates	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Work required of you in courses	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Outlets for creative activities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sleep	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Exercise	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Personal contacts with faculty	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Personal contacts with family	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Advice and guidance from faculty and staff	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Required courses	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Easy courses	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Difficult courses	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Courses related to social problems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

11. For each of the following activities, indicate if you presently can perform the activity competently.
(Mark one in each row)

	Yes, I can presently do this well	No, but I would like to be able to do this well	and I have no desire to be able to do this well
Type 40 words or more per minute	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sketch people so that they can be recognized	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Speak a second language fluently	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Break 100 in golf	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Water-ski	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ski on snow	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sight-read piano music	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Read music (singing)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Identify at least fifteen species of birds on sight	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Referee one or more sporting events	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Recite long passages from plays or poems without notes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Identify or describe examples from several architectural styles	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sail a boat	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Identify most of the major constellations of stars	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use a sewing machine	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use Robert's <u>Rules of Order</u>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mix a dry Martini	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Set a table for a formal party	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Name the starting players for a professional athletic team	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Score a tennis match	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Identify many classical musical compositions by title and composer	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Program a computer	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use a slide rule	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Swim a mile without stopping	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Name the animal phyla	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Describe the difference between stocks and bonds	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Develop and print photographs (darkroom work)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Bake a cake from scratch (no mixes)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Describe the personal freedoms guaranteed by the Bill of Rights	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Do at least 15 push-ups	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

12. Which of the following experiences applies to you during the post year? (Mark all that apply)

	Yes
Elected to a student office	<input type="radio"/>
Changed your long-term career plans	<input type="radio"/>
Flunked a course	<input type="radio"/>
Changed your major field	<input type="radio"/>
Fell in love	<input type="radio"/>
Got married	<input type="radio"/>
Had a lead in a college play	<input type="radio"/>
Wrote an article for the school paper or magazine	<input type="radio"/>
Received treatment in the Student Health Center	<input type="radio"/>
Participated in an honors program	<input type="radio"/>
Visited home at least once a month	<input type="radio"/>
Used marijuana	<input type="radio"/>
Used LSD	<input type="radio"/>
Was rushed by a social fraternity or sorority	<input type="radio"/>
Participated in a demonstration against racial discrimination	<input type="radio"/>
Participated in a demonstration against some administrative policy of the college	<input type="radio"/>
Participated in a demonstration against the war in Viet Nam	<input type="radio"/>
Worked in a school political campaign	<input type="radio"/>
Worked in a local, state, or national political campaign	<input type="radio"/>

13. Think about the course you took this post year which was most closely related to your primary field of interest. Please mark "yes" for all the following statements which apply to this course. (If the course had a lab portion, mark "yes" only for those items which apply to the lecture portion.)

	Yes
The class met only at a regularly scheduled time and place	<input type="radio"/>
Students had assigned seating	<input type="radio"/>
The lectures followed the textbook closely	<input type="radio"/>
The instructor called students by their first names	<input type="radio"/>
The instructor encouraged a lot of class discussion	<input type="radio"/>
I knew the instructor's first name	<input type="radio"/>
I was in the instructor's office one or more times	<input type="radio"/>
The instructor was enthusiastic	<input type="radio"/>
The instructor had a good sense of humor	<input type="radio"/>
The instructor was often dull and uninteresting	<input type="radio"/>
The instructor knew me by name	<input type="radio"/>
I sometimes argued openly with the instructor	<input type="radio"/>
I usually typed my written assignments	<input type="radio"/>
I was a guest in the instructor's home one or more times	<input type="radio"/>
The instructor sometimes assigned outside reading in professional journals	<input type="radio"/>
The instructor seemed to be more interested in doing his own research than in teaching	<input type="radio"/>
The instructor often seemed to be interested more in current social issues than in the content of the course	<input type="radio"/>
The instructor frequently missed class because of other obligations	<input type="radio"/>
Many of the other students did not appear to be particularly interested in the course	<input type="radio"/>
The grading in the course was too lenient	<input type="radio"/>
The instructor attempted to involve the students actively in current political or social problems	<input type="radio"/>

14. Of which of the following college organizations were you a member during the post year? (Mark all that apply)

- | | | |
|---|-----------------------|-----|
| National Social Fraternity or Sorority..... | <input type="radio"/> | Yes |
| Local Social Fraternity or Sorority | <input type="radio"/> | |
| Intramural athletic team..... | <input type="radio"/> | |
| College football or basketball team..... | <input type="radio"/> | |
| Other college athletic team | <input type="radio"/> | |
| Choir or glee club | <input type="radio"/> | |
| Marching band..... | <input type="radio"/> | |
| Honorary (subject matter) Fraternity..... | <input type="radio"/> | |

15. Below is a general list of things that students sometimes do. Indicate which of these things you did during the past year in school. If you engaged in an activity frequently, mark "F." If you engaged in an activity one or more times, but not frequently, mark "O" (occasionally). Mark "N" (not at all) if you have not performed the activity during the past year. (Mark one for each item)

- | | | | | | | |
|--|-----------------------|------------|-----------------------|--------------|-----------------------|------------|
| Voted in a student election..... | <input type="radio"/> | Frequently | <input type="radio"/> | Occasionally | <input type="radio"/> | Not at all |
| Came late to class..... | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |
| Played a musical instrument..... | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |
| Studied in the library..... | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |
| Checked out a book or journal from the college library..... | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |
| Arranged a date for another student..... | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |
| Overslept and missed a class or appointment..... | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |
| Typed a homework assignment..... | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |
| Participated in organized demonstrations..... | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |
| Failed to complete a homework assignment on time..... | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |
| Argued with a teacher in class..... | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |
| Was a guest in a teacher's home..... | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |
| Rode on a motorcycle..... | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |
| Slept or dozed in class..... | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |
| Studied with other students..... | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |
| Did extra (unassigned) reading for a course..... | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |
| Took sleeping pills..... | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |
| Tutored another student..... | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |
| Played chess..... | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |
| Saw a foreign movie..... | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |
| Took a tranquilizing pill..... | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |
| Discussed religion..... | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |
| Took vitamins..... | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |
| Visited an art gallery or museum..... | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |
| Took a trip of more than 500 miles..... | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |
| Got a traffic ticket..... | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |
| Missed school because of illness..... | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |
| Smoked cigarettes..... | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |
| Discussed politics..... | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |
| Played tennis..... | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |
| Drank beer..... | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |
| Played bridge..... | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |
| Discussed sports..... | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |
| Asked a teacher for advice after class..... | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |
| Had vocational counseling..... | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |
| Stayed up all night..... | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |
| Did voluntary service work (tutoring, counseling, etc.)..... | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |
| Did voluntary service work in a hospital or prison..... | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |
| Did other voluntary service work..... | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |
| Had personal counseling or psychotherapy..... | <input type="radio"/> | | <input type="radio"/> | | <input type="radio"/> | |

16. Below is a list of 66 different undergraduate major fields grouped into general categories. Mark only three of the 66 fields as follows:

- ① Your most recent major field of study.
- ② Second choice.
- ③ The field of study which is least appealing to you.

ARTS AND HUMANITIES

- Architecture..... ① ② ③
- English(literature).... ① ② ③
- Fine arts..... ① ② ③
- History..... ① ② ③
- Journalism(writing) ... ① ② ③
- Language(modern) ① ② ③
- Language(other)..... ① ② ③
- Music..... ① ② ③
- Philosophy..... ① ② ③
- Speech and drama..... ① ② ③
- Theology..... ① ② ③
- Other..... ① ② ③

PROFESSIONAL

- Health Technology (medical, dental, laboratory)..... ① ② ③
- Nursing..... ① ② ③
- Pharmacy..... ① ② ③
- Pre dentistry..... ① ② ③
- Prelaw..... ① ② ③
- Premedical..... ① ② ③
- Pre veterinary..... ① ② ③
- Therapy (occupat., physical, speech)..... ① ② ③
- Other..... ① ② ③

BIOLOGICAL SCIENCE

- Biology (general)..... ① ② ③
- Biochemistry..... ① ② ③
- Biophysics..... ① ② ③
- Botany..... ① ② ③
- Zoology..... ① ② ③
- Other..... ① ② ③

SOCIAL SCIENCE

- Anthropology..... ① ② ③
- Economics..... ① ② ③
- Education..... ① ② ③
- History..... ① ② ③
- Political science (government, int. relations)..... ① ② ③
- Psychology..... ① ② ③
- Social work..... ① ② ③
- Sociology..... ① ② ③
- Other..... ① ② ③

BUSINESS

- Accounting..... ① ② ③
- Business admin..... ① ② ③
- Electronic data processing..... ① ② ③
- Secretarial studies... ① ② ③
- Other..... ① ② ③

ENGINEERING

- Aeronautical..... ① ② ③
- Civil..... ① ② ③
- Chemical..... ① ② ③
- Electrical..... ① ② ③
- Industrial..... ① ② ③
- Mechanical..... ① ② ③
- Other..... ① ② ③

OTHER FIELDS

- Agriculture..... ① ② ③
- Communications (radio, T.V., etc.) ① ② ③
- Electronics (technology)..... ① ② ③
- Forestry..... ① ② ③
- Home economics... ① ② ③
- Industrial arts..... ① ② ③
- Library science... ① ② ③
- Military science... ① ② ③
- Physical education and recreation.... ① ② ③
- Other (technical)... ① ② ③
- Other (nontechnical) ① ② ③
- Undecided..... ① ② ③

PHYSICAL SCIENCE

- Chemistry..... ① ② ③
- Earth science..... ① ② ③
- Mathematics..... ① ② ③
- Physics..... ① ② ③
- Statistics..... ① ② ③
- Other..... ① ② ③

Please be sure that only three circles have been marked in the above list.

17. How many times during the year did you see a faculty advisor or vocational counselor for advice on (Mark one in each row)

	<u>Never</u>	<u>Once</u>	<u>2-3 times</u>	<u>4 or more times</u>
Selecting courses?.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Changing major field or career choice?.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improving study habits or grades?.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other personal or family matters?.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

18. What was the field of study of the majority of those students with whom you spent most of your time during the school year? (Mark one in each column)

	<u>Students With Whom I Attended Classes</u>	<u>My Best Friends Among Students</u>	<u>My Roommate(s)</u>	<u>Students in My Living Quarters</u>
A variety of different fields.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Arts, Humanities, or Social Sciences.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Natural Sciences.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Engineering.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Education.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Business.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Agriculture.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other specific field.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

19. What is your over-all evaluation of your college? (Mark one)

Very satisfied with my college....

Satisfied with my college.....

On the fence.....

Dissatisfied with my college....

Very dissatisfied with my college

20. Mark one in each row:
 { Agree strongly
 { Agree somewhat
 { Disagree somewhat
 { Disagree strongly

	<u>Agree strongly</u>	<u>Agree somewhat</u>	<u>Disagree somewhat</u>	<u>Disagree strongly</u>
College faculty are more competent than are students to specify the curriculum.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The activities of married women are best confined to the home and family.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Parents should be discouraged from having large families.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Colleges would be improved if organized sports were de-emphasized.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Scientists should publish their findings regardless of the possible consequences.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Realistically, an individual person can do little to bring about changes in our society.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The chief benefit of a college education is that it increases one's earning power.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
My beliefs and attitudes are similar to those of most other college students.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Faculty promotions should be based in part on student evaluations.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Student publications should be cleared by college officials.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Women should be subject to the draft.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The voting age should be lowered to 18.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
College officials have the right to ban persons with extreme views from speaking on campus.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Students from disadvantaged social backgrounds should be given preferential treatment in college admissions.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Most college officials have been too lax in dealing with student protests on campus.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Marijuana should be legalized.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Current levels of air pollution in large cities justify the use of drastic measures to limit the use of motor vehicles.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Urban problems cannot be solved without huge investments of Federal money.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cigarette advertising should be outlawed on radio and TV.....	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Appendix D

Guide to GROSS Data Accessing System

Appendix D

GUIDE TO THE GROSS DATA ACCESSING SYSTEM

The GROSS system is a "package" computer program designed to accomplish a wide variety of data editing and statistical tasks common to many research problems utilizing social science data. The system was designed with the social scientist in mind and with a knowledge of many of his particular needs both in terms of data manipulation and display requirements.

At present, GROSS enables the user to perform both basic preliminary processing and analytical operations. Preliminary processing capabilities include a wide range of data editing procedures, including the collapsing of variable categories and the generating, coding, recoding, transforming, and transgenerating of variables. In addition, GROSS provides for the labeling of variables and their categories.

The GROSS system also has the capability to perform several analytical tasks on both categorical and continuous variables. Frequency distributions for categorical variables may be produced which include the count of responses by variable category, the percentage of the total observations represented by that category, and the cumulative percentages in a distribution. Cross-tabulations may also be requested for categorical variables. GROSS can produce both simple and more complex tables that involve up to 20 variables simultaneously. Many options may be utilized when requesting cross-tabulations, including percentage distributions, tests of significance, and measures of association.

For continuous variables, only basic summary statistics can be produced. These statistics include the mean, standard deviation, standard

error, range, skewness, and kurtosis. Frequency distributions and cross-tabulations may also be produced if the user first categorizes the continuous variables in the preliminary processing stage.

Work is continuing on the GROSS system to add new operations and analytical techniques. When completed, the system is scheduled to include the standard cross-products statistical analyses, such as regression and correlation. It will also be possible to interface the system output tape with separate independent programs such as missing-data correlation, match/merge operations, factor analysis, and regression analysis.

SYSTEM INPUT FOR GROSS

GROSS is designed so that data are always read in from magnetic tape. All of the data files in the data accessing system are GROSS binary tapes. These binary tapes have resulted from a previous GROSS run in which all categories of the raw data have been preserved and all variables have been defined, generated, and labeled. These binary tapes are used in subsequent jobs as input to GROSS for user processing, which may include the generating of additional variables, specialized labeling of variables to suit a particular analysis, and specially defined statistical analyses. GROSS automatically references the variables as defined and labeled in the GROSS binary input tape. Thus, the user does not need to introduce or repeat the labeling of these previously defined variables in setting up his control cards unless he requires preliminary processing in order to recategorize some of the variables. If only the analytical operations available in GROSS are required, all references may be made to the original variable numbers provided in the documentation of the GROSS binary tape.¹

¹Documentation of the required GROSS binary tape is available on request from the ACE Office of Research.

An abbreviated illustration of the variable identification section which produced the GROSS binary tape and is part of the GROSS binary tape documentation is shown below. These variable identification numbers and labels are part of the GROSS binary tape and may be referenced in the GROSS control cards which are prepared by the user.

*VAR(1)=X(1)=DEGREE PLANS 1966(9 CATEGORIES)
 *VAR(2)=X(2)=CAREER PLANS 1966(66 CATEGORIES)
 *VAR(3)=X(3)=MAJOR FIELD 1966(44 CATEGORIES)
 *VAR(4)=X(4)=SATV SCORE
 *VAR(5)=X(5)=CAREER PLANS 1967(66 CATEGORIES)
 *VAR(6)=X(6)=DEGREE PLANS 1967(9 CATEGORIES)
 *VAR(7)=X(7)=MAJOR FIELD 1967(44 CATEGORIES)
 *VAR(8)=X(8)=SEX(MALE/FEMALE)
 *VAR(9)=X(9)=SATM SCORE

EXAMPLE OF GROSS CONTROL CARD DECK

Based on the illustration above of the variable specification and documentation of the GROSS binary tape, the user might submit the following set of 80-column control cards for his analysis:

*DECK ILLUSTRATIVE PROBLEM
 *NOBINARY
 *VAR(10)=ORDER VAR(1)=DEGREE PLANS 1966(1=NONE/2=ASSOC/3-9=BA OR MORE)
 *VAR(11)=ORDER VAR(6)=DEGREE PLANS 1967(1-6=LESS THAN MA/7-9=MASTERS OR PHD)
 *VAR(12)=VAR(4)+VAR(9)=SAT COMPOSITE
 *VAR(13)=VAR(4)=ENGLISH SCORE
 *X(100)=VAR(4)*100
 *X(101)=VAR(9)*100
 *X(102)=X(100)+X(101)/2
 *VAR(14)=X(102)=SATC CONTRIVED SCORE
 *CODE(A)=(BLANK,0=1/UNDER 401=2/401-600=3/601-800=4/801-1000=5/1001-1200=6/ *
 *1201-1400=7/1401-1600=8)
 *VAR(15)=RECODE(A) VAR(12)=SATC SCORE(NONE/LESS 401/401-600/601-800/801-1000/ *
 *1001-1200/1201-1400/1401-1600)
 *VAR(16)=ORDER VAR(4)=SATV SCORE(0,1-500=LESS MEDIAN/501-800=ABOVE MEDIAN)
 *VAR(17)=1 IF VAR(2)=VAR(5)=CAREER CHANGE(NO/YES) *
 *OR=2 IF VAR(2)NOT EQUAL VAR(5)
 *GROUP=1 IF VAR(3)=7=HISTORY MAJORS
 *GROUP=2 IF VAR(3)=8=SOCIOLOGY MAJORS
 *GROUP=3 IF VAR(3)=1-6,9-44=OTHER
 *COMPUTE STATISTICS(4,13,14)
 *COMPUTE CROSSTABS(11 BY 10),ROW,COLUMN
 *COMPUTE CROSSTABS(11 BY 10 BY 8),ROW,COLUMN
 *END

The illustrative control cards shown above are discussed in detail on the following pages. This example illustrates the necessary control cards required to activate the computer, manipulate the data, and select desired analyses. Many of the options that are available in GROSS are presented; these options described here should be sufficient for most data-accessing needs.²

GENERAL INSTRUCTIONS FOR PREPARING GROSS CONTROL CARDS

The control cards must be punched on a Model 026 keypunch. All control cards for GROSS must have an asterisk (*) punched in Column 1. In order to keep the length of the control deck minimal, it is advisable to use spacing only in label portions of control cards. If it is not possible to punch all of the necessary information for a particular control on a single card, continuation control cards may be used. To create a continuation control card, an asterisk (*) is punched in Column 80 of the card containing the statement to be continued. The continuation card must contain an asterisk (*) in Column 1, followed by the control information continued from the previous card. A continuation control card should not be broken in the middle of a word or number. Up to 20 continuation control cards can be linked to a particular main control card.

CONTROL CARDS FOR PRELIMINARY PROCESSING

*DECK. The *DECK card must be the first card in the GROSS control deck. This card identifies the job to be run and triggers the reading of

²If highly complex analyses are required by the user, reference should be made to the GROSS manual, which describes other options available in the system and specifies the appropriate control card set-up.

the remaining cards and subsequent data tape. *DECK is a key word which must be contained in the first 5 columns of the card. Columns 6-80 may be used for a job title. This title will be printed at the top of each page of listed output, thus enabling identification of the particular job for the user.

*NOBINARY. For the typical data accessing user, the control card *NOBINARY should be inserted in the control deck after the *DECK card. In the unusual situation where more than 300 new variables are created for data processing, a new binary output tape must be created. Under such a condition, the user should refer to the GROSS manual for a description of the control cards required in place of the *NOBINARY card.

*VAR(N). The *VAR(N) control cards are used to create new variables or to recategorize variables which had previously been created in the production of the GROSS binary tape. *VAR(N) cards are also used for specialized labeling of variables and their categories, and to provide instructions for preliminary processing (i.e., recoding, transgenerating, and transforming of variables). *VAR(N) must start in column one of the control card. The 'N' is a symbolic designation for the variable number. The typical procedure is to number the variables sequentially, STARTING FROM THE LAST NUMBERED VARIABLE ON THE GROSS BINARY FILE.

Relabeling of Variables

In the case where special labeling is not required for a particular set of categorical or continuous variables, cross-reference in the control cards may be made directly to the original variables specified in the GROSS binary tape documentation. No *VAR(N) card is needed. Each variable is identified in the GROSS binary input tape by a separate sequential number

which gives the specifications for its content, a label, and category names. In our example, for instance, VAR(1) through VAR(9) are already labeled. The labels for the categorical *VAR(N)'s are listed in the sequential order that corresponds to their codes (1,2,3, etc.). In our test case, for example:

*VAR(8)=SEX(MALE/FEMALE)

This statement indicates that variable 8 represents the sex of the respondent; the variable has two categories, male and female, with a 1 indicating that the respondent is male and a 2 indicating that the respondent is a female. In reference to VAR(8) in the analytical operations discussed later, the labels for sex will automatically be included on the print-out. If code values have not been assigned specific labels, GROSS will automatically label the N categories as Category 1 to Category N in the print-out, according to the sequential order of the code values from 1 to N. An example of this from our test case would be:

*VAR(3)=MAJOR FIELD 1966(44 CATEGORIES)

This statement indicates that Variable 3 represents the major field of the respondent in 1966, and the variable has 44 categories. An analytical operation using this variable would print out the appropriate category numbers.

If the data are in the form desired, but specialized labeling is required, a new VAR(N) must be specified. This control card has three parts: variable identification, source of the variable, and new label.

*VAR(N)=VAR(n)=VARIABLE LABEL

where 'n' is the sequence number of the variable in the original VAR-array, and 'N' is the sequential number of the new variable in the VAR-array. The

variable name may contain up to 24 characters.

The use of this option is illustrated by examining *VAR(13) in the example:

*VAR(13)=VAR(4)=ENGLISH SCORE

If one wished to label a block of variables, GROSS can be instructed to give all of them a common name of up to 20 characters followed by a sequential serial number:

*VAR(N-M)=VAR(I-J)=COMMON LABEL

An example of this block labeling would be the following:

*VAR(100-103)=VAR(80-83)=TRAIT RATINGS

This causes four variables to be created, the first one having the label "trait ratings 1" while the fourth label has "trait ratings 4."

Creation of New Continuous Variables

Often a user wishes to create new continuous variables by performing some arithmetic operation on one or a combination of items from the VAR-array. The control card takes the following form:

*VAR(N)=ARITHMETIC OPERATION=LABEL

An example of this option is the following:

*VAR(12)=VAR(4)+VAR(9)=SAT COMPOSITE

The following arithmetic instructions are available in GROSS:

<u>Symbol:</u>	<u>Operation:</u>	<u>Example:</u>
+	Addition	*VAR(N)=VAR(19)+VAR(20)
-	Subtraction	*VAR(N)=VAR(22)-VAR(23)
*	Multiplication	*VAR(N)=VAR(4)*100
/	Division	*VAR(N)=VAR(7)/2.0
**	Exponentiation	*VAR(N)=VAR(21)**2

Complex computations can be performed by generating several intermediate "X-variables." An example of the use of the X-array for intermediate computation is illustrated below:

```
*X(100)=VAR(4)*100
*X(101)=VAR(9)*100
*X(102)=X(100)+X(101)/2
*VAR(14)=X(102)=SATC CONTRIVED SCORE
```

The operations listed above can be performed in any combination but the user should be aware that the order of the operations follows the basic rules of arithmetic replacement in the FORTRAN computer language.

If a given operation is to be performed on a block of variables rather than on a single variable, GROSS offers the use of a list operation in creating new variables. A useful example, but not from our test case, is the adding together of several variables:

```
*VAR(N)=SUM VAR(20-30)=SUMMATION SCORE
```

VAR(N) now contains the sum of VAR(20-30) and has been assigned the label "SUMMATION SCORE." This operation can be used with VAR's and numerical constants in any combination:

```
*VAR(100)=SUM VAR(20-30),SUM VAR(40-42),-10.00=TRAIT RATING
```

VAR(100) now contains the sum of VAR(20-30), plus the sum of VAR(40-42), less the constant 10.00. Other uses of the list operation are detailed in the GROSS manual.

*CODE, *RECODE. Code values assigned or established before the data are tabulated are often not adequate in every respect after the distributions are known.³ It is often desirable to combine categories or re-arrange

³Information on the distribution of each variable on a GROSS binary tape is provided to the user as part of the file documentation.

the sequence of codes. These changes can be made by use of the *CODE, *RECODE operations.

*CODE(X) control cards consist of a series of orders, separated by slashes (/). The left hand side of each order represents the original values, while the right hand side represents the new (recoded) values. The left and right hand sides are connected by an equal (=) sign. It should be noted that any original values not specified for recode will retain their original value in the new variable.

An example from our illustrative case follows:

<u>Original Values</u>	<u>Recoded Values</u>
Blank,0	1
001-400	2
401-600	3
601-800	4
800-1000	5
1001-1200	6
1201-1400	7
1401-1600	8

A completed *CODE(A) card would look as follows:

*CODE(A)=(BLANK,0=1/UNDER 401=2/401-600=3/601-800=4/801-1000=5/1001-1200=6/
*1201-1400=7/1401-1600=8) *

In the case where the values of a continuous variable are to be maintained, except for recoding of selected ranges, the *CODE control card might appear as follows:

*CODE(B)=(BLANK=0)

This order will change all blanks to zeros, and all other variables will retain their original value.

The *RECODE card is related to the *CODE control card as follows:

*VAR(N)=RECODE(X) VAR(n)=NEW LABEL

The *RECODE order consists of four parts:

1. VAR(N)--Identification of the new variable sequence number.
2. RECODE(X)--where X can be an alpha-character referring to the appropriate *CODE instructions.
3. VAR(n)--the variable to be recoded.
4. New Label--the name to be assigned to the new variable.

An example of this option is the following:

```
*VAR(80)=RECODE(B) VAR(10)=SATC SCORE
```

where *CODE(B) has been previously defined and *VAR(80) is maintained as a continuous variable. In the case where a continuous variable is categorized by the *CODE(X) operation, the assigned category names should follow the new label in parentheses with category labels separated by slashes (/).

From our test case, *VAR(15) is an example of this option:

```
*VAR(15)=RECODE(A) VAR(12)=SATC SCORE(NONE/LESS 401/401-600/601-800/801-1000/ *  
*1001-1200/1201-1400/1401-1600)
```

Grouping and Excluding Values from Categorized Variables

In some cases the data fields read into the computer may not be in the form of sequential integer codes, and therefore, not in the form required for cross-tabulations. Also, it may be desirable to group the data into fewer categories than specified in VAR(N) or to define a categorized variable from a continuous variable. These adjustments can be carried out by use of an *ORDER operation.

The *ORDER operation simultaneously "recodes" the original values of VAR(n) and attaches a category label to each of the separate recoded values. This is accomplished by writing a small "equation" that specifies each category within the parentheses. The left hand side of each equation specifies

the range of values to be recoded given the sequence number 1,2,3, etc., in which they occur. The right hand side is the category label, of up to 16 characters, that will be printed out to identify the classification. An example from our test case follows:

```
*VAR(16)=ORDER VAR(4)=SATV SCORE(0,1-500=LESS MEDIAN/501-800=ABOVE MEDIAN)
```

This illustration reads as follows: variable 16 is created from the fourth variable in the GROSS binary tape and it represents the SATV score of the respondent. Category 1 indicates that the respondent's SATV score was less than the median value, while category 2 indicates that the respondent's SATV score was greater than the median value.

In the *ORDER operation, GROSS automatically excludes from classification all values that fall outside the range given by the equations. Thus, all values less than 0 or greater than 800 would be excluded in this example, and treated as missing data by GROSS whenever VAR(16) is referenced. Instructions such as UNDER and OVER may be used to create end categories. The instruction OTHER can also be used to create a final "catch-all" category of values not explicitly recoded. If present, the instruction OTHER must be the last one mentioned. Instructions containing UNDER and OVER are processed in sequence order in which they occur. As with *RECODE, ranges, individual values, and BLANK are permitted on the left hand side of the equation.

In addition to arithmetic computations and recoding operations, it is often desirable to restrict an analysis to a certain class of observations, to particular subsets of units, or to create new variables by selecting or recoding under a variety of specified logical conditions. GROSS offers facilities for creation of new variables by use of Boolean-logic operations,

including IF, OR, and AND/OR instructions. These useful control cards are described in detail in the GROSS manual. An example is the following from our illustrative case:

```
*VAR(17)=1 IF VAR(2)=VAR(5)=CAREER CHANGE(NO/YES)
*OR=2 IF VAR(2)NOT EQUAL VAR(5)
```

*

*GROUP. The use of the *GROUP option is to restrict the analytical operations to certain subsets of respondents. *GROUP definitions may be used for the *COMPUTE STATISTICS and the *COMPUTE FREQUENCIES options described below, but not for *COMPUTE CROSSTABS. At least two groups must be defined for analyses; these *GROUP cards precede the *COMPUTE cards in the control deck. A set of *GROUP cards is shown below:

```
*GROUP=1 IF VAR(3)=7=HISTORY MAJORS
*GROUP=2 IF VAR(3)=8=SOCIOLOGY MAJORS
*GROUP=3 IF VAR(3)=1-6,9-44=OTHER
```

The *COMPUTE operations will provide the requested analyses for each of the three groups defined in the example above, with the assigned group category labels. In addition, the same analyses will be referenced for the total of all "GROUPS" combined.

CONTROL CARDS FOR ANALYTICAL OPERATIONS

The *COMPUTE options give instructions for analysing the data. *COMPUTE cards follow the preliminary processing cards in the control deck, and the *COMPUTE statement must be contained in the first eight columns of the card. At present, there are three analytical techniques available through GROSS; these provide for computing selected statistics, for computing frequency distributions, and for computing cross-tabulations.

*COMPUTE STATISTICS. GROSS is designed to compute and print out a number of univariate statistics for each variable, including the count of

the number of unit observations on the variable, the arithmetic mean, the range, the standard deviation, the standard error of the mean, the skewness, and the kurtosis. The variable number and name are printed out, followed by a row listing of these statistics.

The control card consists of the basic order *COMPUTE STATISTICS, followed by a specification of the variables for which univariate statistics are desired. This specification may consist of a list, a range specification, or a combination of both, all enclosed in parentheses. Only one *COMPUTE STATISTICS instruction is allowed in the GROSS control deck, but variable specifications can be continued on up to 20 continuation cards. An example from our test case would be:

```
*COMPUTE STATISTICS(4,13,14)
```

If no list specification appears on the *COMPUTE STATISTICS control card, summary statistics will be computed for all variables. A maximum of 2,000 cells (number of groups X number of variables) is allowed for the *COMPUTE STATISTICS option.

*COMPUTE FREQUENCIES. By use of a *COMPUTE FREQUENCIES control card, the user can obtain a completely labeled print-out of:

- a. the specific values for a categorized variable (up to 100 categories per variable, including blanks)
- b. The number of cases (frequency) having each value.
- c. The percentage (relative to the total number) of cases having each value.
- d. The cumulative percentage, beginning with the lowest value.

The control card consists of the basic order *COMPUTE FREQUENCIES, followed by a specification of the variables for which frequencies are desired. This specification may be a list, a range specification, or a combination of both, all enclosed in parentheses. If desired, the user can include blanks in the computation of the percentages by including the word BLANKS on the control card following directly after the specification of variables, without any spacing, and separated only by a comma. In addition, the option NWGT(N) may be called and will cause the value of variable 'N', which is the variable number for the weighting factor, to be the tally value instead of 1. For example:

```
*COMPUTE FREQUENCIES(1-3,5-7),BLANKS,NWGT(172)
```

If no list specification appears on the *COMPUTE FREQUENCIES control card, the frequencies will be computed for all categorized variables. Only one *COMPUTE FREQUENCIES instruction is allowed in the GROSS control card deck, but variable specifications can be continued on up to 20 continuation cards. The *COMPUTE FREQUENCIES option cannot be included in the same control card deck with a set of *COMPUTE CROSSTABS cards (see below). If the *GROUP option appeared before a *COMPUTE FREQUENCIES control card, the distributions would be presented for each specified group separately as well as for the total of all the groups. A maximum of 10,000 cells are allowed for the *COMPUTE FREQUENCIES option.

*COMPUTE CROSSTABS. GROSS contains a major cross-tabulation program which requires categorized variables and tabulates up to a 20-way table. The output is listed in the form of an actual statistical table in which rows and columns are fully labeled. The cell frequencies are accompanied by percentages which can be based upon row totals, column totals, total

totals, and/or the grand total. Marginal totals and percents are also displayed. All percentages and frequencies for a given cell are printed within the particular cell of the cross-tabulation. The maximum single table size is 100 by 100. In addition, the GROSS cross-tabulation program permits the user to select from among several different tests of significance and measures of association relevant to cross-tabulations.

Only categorized variables can be involved in cross-tabulation orders. IN THE EVENT A CROSS-TABULATION REQUEST INCLUDES A NONCATEGORIZED VARIABLE, GROSS WILL AUTOMATICALLY LIST THE ERROR CONDITION, ignore the request involving such variables, and complete whatever tabulations remain that are legitimate.

Instructions for cross-tabulations are made on the *COMPUTE CROSSTABS control card. This card has five sections as follows:

1. *COMPUTE CROSSTABS--basic order to the computer.
2. List of variables to be cross-tabulated.
3. Base(s) on which percents are to be computed: ROW, COLUMN, TOTAL, GRAND.
4. Specification of tests of significance and measures of association desired: CHISQUARE, PHI, C, V, LAMBDA, TAU B, TAU C, GAMMA, D.
5. Options: BLANKS--include blanks in the table; WEIGHT=N--employs variable N, which is a weighting factor, as value to increment counter rather than 1.

A maximum of 30,000 cells is allowed for the *COMPUTE CROSSTABS option. The *COMPUTE CROSSTABS option cannot be included in the same control deck as a *COMPUTE FREQUENCIES card. Several *COMPUTE CROSSTABS

instructions are allowed in the GROSS control deck, and variable specification can be continued on up to 20 continuation cards. The variable specification may consist of a list, a range specification, or a combination of both.

The control card for a 2-way table with percents computed by rows and with the chi-square test of significance is as follows:

```
*COMPUTE CROSSTABS(I BY J),ROWS,CHISQUARE
```

The first variable mentioned (I) will constitute the rows of the table, the dependent variable. The categories of the second variable (J) will constitute the columns of the table, the independent variable.

The control card for a 3-way table is as follows:

```
*COMPUTE CROSSTABS(I BY J BY K),GRAND
```

The variable I will appear in each table as rows. The categories of variable J will appear in each table as columns. There will be a series of these tables, one such table for each category of variable K, the control variable. Several sets of tables may also be specified in a single

*COMPUTE CROSSTABS instruction:

```
*COMPUTE CROSSTABS(22 BY 23),(25 BY 30),(22 BY 25 BY 29 BY 30),(31-33 BY *  
*34,36-38),(39-50 BY 30),ROW,TOTAL,GRAND,CHISQUARE
```

Examples from our test case follow:

```
*COMPUTE CROSSTABS(11 BY 10),ROW,COLUMN  
*COMPUTE CROSSTABS(11 BY 10 BY 8),ROW,COLUMN
```

The first request would cause the following cross-tabulation table to be produced, where degree plans 1966 would be the independent variable and degree plans 1967 would be the dependent variable:

DEGREE PLANS 1966

D E G R E E P L A N S 1 9 6 7		None	Assoc	BA or More	column row	
		Less Than MA	60.0% 30.0%	60.0% 60.0%	20.0% 10.0%	50
		15	30	5		
	Masters or PHD	40.0% 20.0%	40.0% 40.0%	80.0% 80.0%	50	50%
		10	20	20		
	Col Total	25	50	25	100	
	Percent	25.0%	50.0%	25.0%		100%

Number of Missing Observations = 0

The second request would cause two tables to be produced: the first table would have Degree Plans 1966 as the independent variable and Degree Plans 1967 as the dependent variable for males. The second table would have the same cross-tabulation for females. The following tables illustrate this.

D E G R E E P L A N S 1 9 6 7		DEGREE PLANS 1966			column row	
		None	Assoc	BA or More		
	Less Than BA	46.0% 24.0%	60.0% 60.0%	33.0% 16.0%	25	50%
		6	15	4		
	Masters or PHD	54.0% 28.0%	40.0% 40.0%	67.0% 32.0%	25	50%
		7	10	8		
	Col Total	13	25	12	50	
	Percent	26.0%	50.0%	24.0%		100%

D
E
G
R
E
E
P
L
A
N
S
1
9
6
7

DEGREE PLANS 1966

	None	Assoc	BA or More	column	row
Less Than Masters	75.0% 36.0%	60.0% 60.0%	8.0% 4.0%	25	50%
Masters or PHD	25.0% 12.0%	40.0% 40.0%	92.0% 48.0%	25	50%
Col Total	12	25	13	50	
Percent	24.0%	50.0%	26.0%		100%

Number of Missing Observations = 0

CONTROL CARD FOR TERMINATION

*END. This control card must always be the last control card in the control deck and signals the end of the control deck. When *END is encountered, GROSS begins data processing for the user's analyses.

Other *Research Reports* by staff of the Office of Research:

A Program of Longitudinal Research on the Higher Educational System

Alexander W. Astin, Robert J. Panos, John A. Creager
Volume 1, No. 1, 1966

Some Characteristics of Junior College Students

Robert J. Panos
Volume 1, No. 2, 1966 (out of print)

Evaluation and Selection in the 1966-67 Academic Administration Internship Program

John A. Creager
Volume 1, No. 3, 1966

Trends in the Characteristics of Entering College Students, 1961-1965

Alexander W. Astin
Volume 1, No. 4, 1966

**National Norms for Entering College Freshmen—Fall 1966*

Alexander W. Astin, Robert J. Panos, John A. Creager
Volume 2, No. 1, 1967 (\$2.00)

The Use of Publication Citations in Educational Research¹

John A. Creager
Volume 2, No. 2, 1967

**Supplementary National Norms for Freshmen Entering College in 1966*

Alexander W. Astin, Robert J. Panos, John A. Creager
Volume 2, No. 3, 1967 (\$1.00)

Attrition Among College Students

Robert J. Panos, Alexander W. Astin
Volume 2, No. 4, 1967

They Went to College: A Descriptive Summary of the Class of 1965

Robert J. Panos, Alexander W. Astin
Volume 2, No. 5, 1967

Implications of a Program of Research on Student Development in Higher Education

Alexander W. Astin, Robert J. Panos, John A. Creager
Volume 2, No. 6, 1967

National Norms for Entering College Freshmen—Fall 1967

Robert J. Panos, Alexander W. Astin, John A. Creager
Volume 2, No. 7, 1967 (\$2.50)

National Norms for Entering College Freshmen—Fall 1968

John A. Creager, Alexander W. Astin, Robert F. Boruch, Alan E. Bayer
Volume 3, No. 1, 1968 (\$3.00)

General Purpose Sampling in the Domain of Higher Education

John A. Creager
Volume 3, No. 2, 1968

*The complete national norms reports for 1966 can be obtained from The Publications Division, American Council on Education, 1785 Massachusetts Avenue, N.W., Washington, D.C. 20036 for \$3.00 a set.