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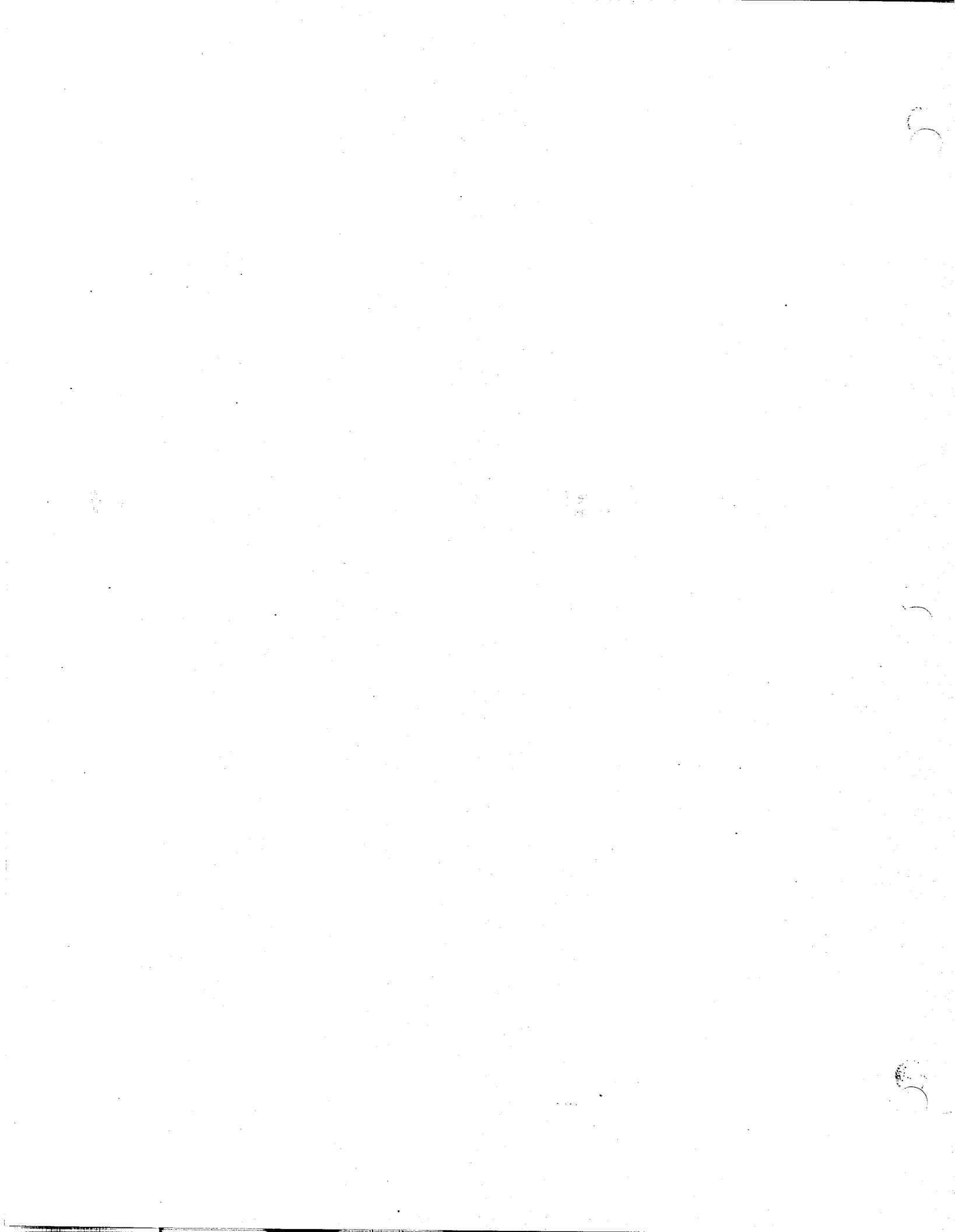
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CURRENT POPULATION SURVEY, JANUARY 1986:

DISPLACED WORKERS



CURRENT POPULATION SURVEY, JANUARY 1986:
DISPLACED WORKERS

TECHNICAL DOCUMENTATION

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NOTE

Questions about the accompanying documentation should be directed to Data User Services Division, Data Access and Use Staff, Bureau of the Census, Washington, D.C. 20233. Phone: (301) 763-2074.

Questions about the tape should be directed to Data User Services Division, Customer Services (Tapes), Bureau of the Census, Washington, D.C. 20233. Phone: (301) 763-4100.

Questions about the subject matter should be directed to Demographic Surveys Division, Bureau of the Census, Washington, D.C. 20233. Phone: (301) 763-2773.

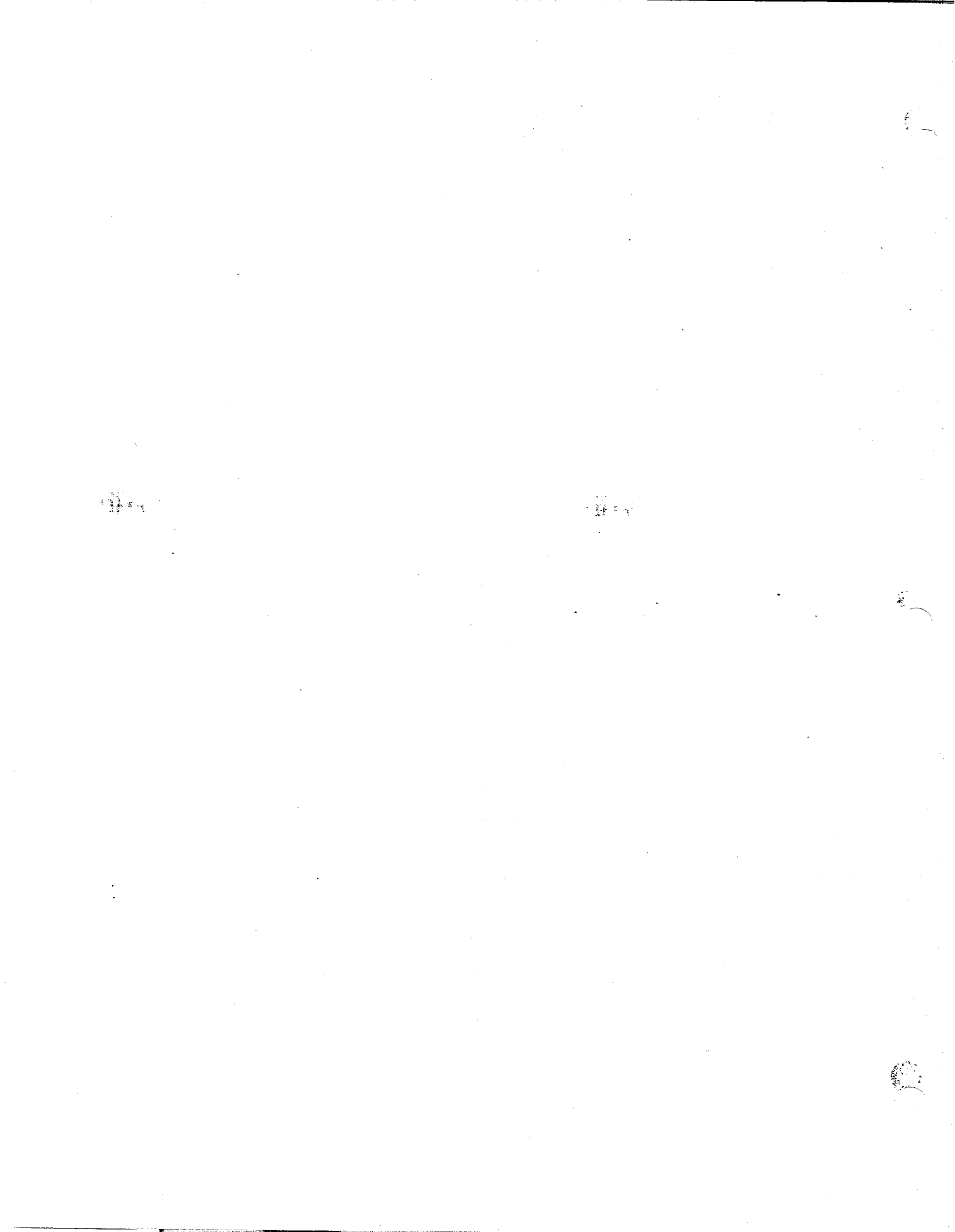


Current Population Survey (CPS)

User Note for CPS Files Issued Beginning July 1985

In July 1985, the CPS microdata files began carrying the metropolitan statistical area definitions announced by the Office of Management and Budget on June 30, 1984. The new CPS estimates for the total metropolitan population have consistently been higher than independent estimates of the total metropolitan population prepared by the Census Bureau; the new CPS nonmetropolitan estimates have been lower than the independent estimates. The magnitude of the monthly differences has varied from 900,000 to 2.5 million persons over the past year, so that the proportion of the population living in metropolitan areas according to the CPS has ranged from 0.4 to 1.0 percentage points higher than the independent estimate. The difference in level between the two sets of estimates is partially attributable to the basic CPS sample design, which, because of sampling variability, includes an oversample of metropolitan households and an undersample of nonmetropolitan households. The monthly variations result from the exit and entrance of rotation groups, each with slightly different metropolitan-nonmetropolitan proportions, into the sample. The apparent overestimation of metropolitan and underestimation of nonmetropolitan population in the CPS relative to the Census Bureau's independent estimates should be taken into account when using the data. Because of the monthly variation in these estimates, month-to-month comparisons of metropolitan and nonmetropolitan estimates should be interpreted with caution.

One other set of estimates that can be produced from CPS microdata files beginning in October 1985 should be treated with caution also. These are estimates for individual metropolitan areas. The change in Census Bureau confidentiality rules allowing identification of areas with populations of 100,000 or more instead of 250,000 has produced a situation where we now identify numerous small metropolitan areas on the CPS data files. Although estimates for the larger areas such as New York, Los Angeles, and so forth, should be fairly accurate and valid for a multitude of uses, estimates for the smaller metropolitan areas (those with populations under 500,000) should be used with caution because of the relatively large sampling variability associated with these estimates.



Attachment 1

ABSTRACT

Current Population Survey, January 1986:
Displaced Workers [machine-readable data file] /
conducted by the Bureau of the Census for the
Bureau of Labor Statistics. --Washington:
Bureau of the Census [producer and distributor]
1986.

TYPE OF FILE:

Microdata; unit of observation is individuals within housing units.

UNIVERSE DESCRIPTION:

The universe consists of all persons in the civilian noninstitutional population of the United States living in households. The probability sample selected to represent the universe consists of approximately 71,000 households.

SUBJECT-MATTER DESCRIPTION:

Data are provided on labor force activity for the week prior to the survey. Comprehensive data are available on the employment status, occupation, and industry of persons 14 years old and over. Also shown are personal characteristics such as age, sex, race, marital status, veteran status, household relationship, educational background, and Spanish origin.

The displaced workers questions were asked of all persons age 20 years or older who lost a job involuntarily within the last five years based on operating decisions of a firm, plant, or business in which the worker was employed. Data are provided on reasons for job displacement, industry and occupation of the former job, group health insurance coverage, job tenure, and weekly earnings. Additional data refer to periods of unemployment as well as number of jobs held, use of unemployment benefits, whether residence was changed to seek work in another area, current health insurance coverage, and current weekly earnings.

GEOGRAPHIC COVERAGE:

State of residence is uniquely identified as well as census geographic division and region. The 113 largest metropolitan statistical areas (CMSA's or MSA's), 89 selected MSA's, 66 selected PMSA's, and 30 central cities in multi-central city MSA's or PMSA's also are uniquely identified.^{1/} Within confidentiality restrictions, indicators are provided for MSA-PMSA/non-MSA-PMSA, central city/noncentral city, farm/nonfarm, and MSA/CMSA size.

^{1/}MSA's = Metropolitan Statistical Areas; CMSA's = Consolidated Metropolitan Statistical Areas; PMSA's = Primary Metropolitan Statistical Areas.

TECHNICAL DESCRIPTION:

FILE STRUCTURE: Rectangular.

FILE SIZE: 165,360 logical records; 528 character logical record length.

FILE SORT SEQUENCE: State rank by CMSA/MSA rank by household identification number by line number

REFERENCE MATERIALS:

"Current Population Survey, January 1986: Displaced Workers Technical Documentation." Documentation contains this abstract, a questionnaire facsimile, code lists, and record layouts of the file. One copy accompanies each file order. Additional copies are available for \$5 each from Data User Services Division, Customer Services (Tapes), Bureau of the Census, Washington, D.C. 20233.

Bureau of the Census. The Current Population Survey: Design and Methodology (Technical Paper 40). Describes in detail the sample design and survey procedures used as well as accuracy of estimates and sampling errors. Reference copies should be available from most public libraries or Federal Depository Libraries. It is also available on microfiche from Customer Services, Data User Services Division (Microfiche), Bureau of the Census, Washington, D.C. 20233. (2 microfiche - \$5. Make check payable to Commerce-Census.)

FILE AVAILABILITY:

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Attachment 2

OVERVIEW—JANUARY 1986 DISPLACED WORKERS

I. General

The January 1986 Displaced Workers Survey was conducted as a supplement to that month's Current Population Survey (CPS). This supplement was first conducted in January 1984. The CPS is a monthly labor force survey conducted in approximately 57,000 interviewed households across the Nation. Attachment 17 is a facsimile of the supplement document containing the displaced workers questions. See "Overview - Current Population Survey" (Attachment 3) for a description of the CPS; the following describes the Displaced Workers Supplement.

II. Data Collection

The displaced workers questions were asked of all persons 20 years of age or older, as applicable, which was determined by interviewer check item 29. Item 30 determined whether an individual had been displaced from a job in the previous 5 years, and as a result, would be asked further items.

If the respondent had lost or left more than one job in the past 5 years, the "reference job" would be the one the respondent held the longest overall. Items 34A-E identify the industry and occupation from which the worker was displaced. Item 39 lists the usual weekly earnings from the displaced job. Item 46 lists the usual weekly earnings of the respondent's current job (if employed).

III. Data Processing

The data processing involved a consistency edit of all items. In addition, earnings were fully allocated by demographic characteristics. The edit screens out all persons below the age of 20. It also enforces the internal skip patterns, based upon responses, by filling items with an NA (code -).

The values and universes for each variable are defined in the supplement record-layout (Attachment 11).

IV. January 1986 Displaced Workers Supplemental Computer File

The January 1986 CPS/Displaced Workers file consists of two parts: the CPS labor force data and displaced workers data (for the persons described in Part II above).

A. CPS Labor Force Data

The January 1986 CPS file contains 165,360 records. Each record contains 88 words. Basic CPS labor force data are contained in words 1 through 80. One of the five different record layouts should be used depending on the type of record being selected.

1. Interviewed 14+ Person's Records

Attachment 6 shows the locations and definitions of variables available in words 1 through 80, for persons 14 years old or older who were interviewed in the October 1986 CPS. Interviewed 14+ person records will have a code 1 for record type in word 1.

2. Children's Records

Attachment 7 shows the locations and definitions of variables available in words 1 through 80, for persons 0-13 years of age. Children's records will have a code 5 record type in word 1.

3. Type A Noninterview Records

Attachment 8 shows the locations and definitions for variables available in words 1 through 80, for CPS type A noninterview records. These records represent households that were eligible for the January 1986 CPS interview but, were not interviewed because no one was home, household members were temporarily absent, etc. Type A noninterview records will have a code 2 for record type in word 1.

4. Type B/C Noninterview Records

Attachment 9 shows the locations and definitions for variables available for type B/C noninterview records. Type B/C noninterview records represent sample addresses which were determined to be ineligible for the CPS by virtue of being vacant, demolished, nonresidential, etc. Type B/C noninterview records will have a code of 3 for record type in word 1.

5. Armed Forces Records

Attachment 10 shows the locations and definitions for variables available in words 1 through 80, for persons 14 years or over in the Armed Forces whose household information was transcribed from the CPS control card. Note, by definition Armed Forces members are not eligible for the labor force or supplement interviews. Armed Forces Records will have a code 4 record type in word 1.

B. January 1986 Displaced Workers Supplement Data

The January 1986 supplement data are contained in words 81 through 88. Attachment 11 describes the locations and definitions of supplemental variables in that portion of the basic CPS record.

V. Records from the January 1986 CPS/Displaced Workers File

A. Tallying CPS Labor Force Estimates

If the user wishes to access only the CPS portion of the record (words 1-80) for the full CPS sample, he/she must first determine the record type as follows:

- 1) Interviewed Adults WORD 1, CHARACTER 1=1
- 2) Type A Noninterview WORD 1, CHARACTER 1=2
- 3) Type B/C Noninterview WORD 1, CHARACTER 1=3
- 4) Armed Force Records WORD 1, CHARACTER 1=4
- 5) Children WORD 1, CHARACTER 1=5

As described in Section IV. A. above, use the appropriate record layout depending on which records are selected. Use the CPS final weight in words 21 and 22 when tallying CPS labor force estimates.

B. Tallying the January 1986 Displaced Workers Supplement

Use the basic CPS final weight as described above for tallying all supplemental estimates.

C. Source and Reliability Statement for the Data

Attachment 18 is a copy of the source and reliability statement for this supplement.

D. Unweighted Counts

Attachment 16 lists all unweighted supplement variables for adults 14+.

OVERVIEW—CURRENT POPULATION SURVEY

Introduction

The Current Population Survey (CPS) is the source of the official Government statistics on employment and unemployment. The CPS has been conducted monthly for over 35 years. Currently, we interview about 58,000 households monthly, scientifically selected on the basis of area of residence to represent the Nation as a whole, individual States, and other specified areas. Each household is interviewed once a month for four consecutive months one year, and again for the corresponding time period a year later. This technique enables us to obtain month-to-month and year-to-year comparisons at a reasonable cost while minimizing the inconvenience to any one household.

Although the main purpose of the survey is to collect information on the employment situation, a very important secondary purpose is to collect information on the demographic status of the population, information such as age, sex, race, marital status, educational attainment, and family structure. From time to time additional questions are included on such important subjects as health, education, income, and previous work experience. The statistics resulting from these questions serve to update similar information collected once every 10 years through the decennial census, and are used by Government policymakers and legislators as important indicators of our Nation's economic situation and for planning and evaluating many Government programs.

The CPS provides current estimates of the economic status and activities of the population of the United States. Because it is not possible to develop one or two overall figures (such as the number of unemployed) that would adequately describe the whole complex of labor market phenomena, the CPS is designed to provide a large amount of detailed and supplementary data. Such data are made available to meet a wide variety of needs on the part of users of labor market information.

Thus, the CPS is the only source of monthly estimates of total employment (both farm and nonfarm); nonfarm self-employed persons, domestics, and unpaid helpers in nonfarm family enterprises; wage and salaried employees; and, finally, estimates of total unemployment.

It provides the only available distribution of workers by the number of hours worked (as distinguished from aggregate or average hours for an industry), permitting separate analyses of part-time workers, workers on overtime, etc. The survey is also the only comprehensive current source of information on the occupation of workers and the industries in which they work. Information is available from the survey not only for persons currently in the labor force but also for those who are outside the labor force. The characteristics of such persons - whether married women with or without young children, disabled persons, students, older retired workers, etc., can be determined. Information on their current desire for work, their past work experience, and their intentions as to job seeking are also available.

CPS Sample

The CPS sample is based on the civilian noninstitutional population of the United States. The sample is located in 629 sample areas comprising 1,148 counties and independent cities with coverage in every State and in the District of Columbia.

In all, some 71,000 housing units or other living quarters are assigned for interview each month; about 58,000 of them containing approximately 122,000 persons 14 years old and over are interviewed. Also included are demographic data for approximately 34,000 children 0-13 years old within these households. The remainder of the assigned housing units are found to be vacant, converted to nonresidential use, contain persons with residence elsewhere, or are not interviewed because the residents are not found at home after repeated calls, are temporarily absent, or are unavailable for other reasons. Approximately 13,000 noninterview households are present each month. The resulting file size is approximately 170,000 records. A more precise explanation regarding the CPS sample design is provided in Technical Paper 40, The Current Population Survey: Design and Methodology.

For a more detailed discussion about the basic labor force data gathered on a monthly basis in the CPS survey, see the Bureau of Labor Statistics Report No. 463 and the Current Population Report P-23, No. 62, issued jointly by the Bureau of Labor Statistics and the Bureau of the Census in October, 1976, and entitled Concepts and Methods Used In Labor Statistics Derived from the Current Population Survey.

Relationship of Current Population Survey Files to Publications

Each month, a significant amount of information about the labor force is published by the Bureau of Labor Statistics in the Employment and Earnings and Monthly Labor Review reports.

As mentioned previously, the CPS also serves as a vehicle for supplemental inquiries on subjects other than employment, which are periodically added to the questionnaire. From the basic and supplemental data the Bureau of the Census issues four series of publications under the general title Current Population Reports:

- P-20 Population Characteristics
- P-23 Special Studies
- P-27 Farm Population
- P-60 Consumer Income

All Current Population Reports, including the other series for population estimates and projections and special censuses, may be obtained by subscription from the Government Printing Office. They are available in the following subscription packages: Population Characteristics, Special Studies, Farm Population, and Consumer Income series (P-20, P-23, P-27, P-60) combined, \$71.00 per year; Population Estimates and Projections, (P-25), \$25.00 per year. A customer interested in all reports must subscribe to both subscription packages. Alternatively, single issues may be ordered separately; ordering information and prices are provided in the Bureau of the Census Catalog, the Monthly Product Announcement (MPA), and in the Data User News.

Geographic Limitations

It should be kept in mind that the sample design and methods of weighting CPS data are geared towards producing estimates for the entire Nation. In producing estimates for States, the user should be aware that the primary sampling units (PSU's) are drawn from strata which may or may not cross State lines. Consequently, the data would not be as reliable as national data, and the file may lose some of its utility in certain applications. For further discussion of such considerations, the user should consult Technical Paper 40, The Current Population Survey: Design and Methodology.

The nature of the work done by each individual investigator using the microdata file will determine to what extent his/her requirements for precision will allow using some of the smaller geographic areas identified on the file.

Weights

Under the estimating methods used in the CPS, all of the results for a given month become available simultaneously and are based on returns for the entire panel of respondents. The CPS estimation procedure involves weighting the data from each sample person. The basic weight, which is the inverse of the probability of the person being in the sample, is a rough measure of the number of actual persons that the sample person represents. In States supplemented in the 1978 and 1980 expansions, almost all sample persons within the same sample area have the same basic weight, but the weight may differ across sample areas. The basic weight is the same for almost all sample persons in unsupplemented States. The basic weights are then adjusted for noninterview, and the ratio estimation procedure is applied.

1. Noninterview adjustment. The weights for all interviewed households are adjusted to the extent needed to account for occupied sample households for which no information was obtained because of absence, impassable roads, refusals, or unavailability of the respondent for other reasons. This adjustment is made separately by combinations of sample areas within each State and the District of Columbia, and within these, for six groups--two race categories (White, and Black and other) within three residence categories. For sample areas which are Standard Metropolitan Statistical Areas (SMSA's), these residence categories are the central cities, and the urban and the rural balance of the SMSA's. For other sample areas, the residence categories are urban, rural nonfarm, and rural farm. The proportion of sample households not interviewed varies from 4 to 5 percent depending on weather, vacations, season, etc.
2. Ratio estimates. The distribution of the population selected for the sample may differ somewhat, by chance, from that of the population as a whole, in such characteristics as age, race, sex, and residence. Since these characteristics are closely correlated with labor force participation and other principal measurements made from the sample, the latter estimates can be substantially improved when weighted appropriately by the known distribution of these population characteristics. This is accomplished through two stages of ratio estimates as follows:
 - a. First-stage ratio estimate. In the CPS, a portion of the 629 sample areas is chosen to represent both itself and other areas not in the

sample; the remainder of the sample areas represent only themselves. The first-stage ratio estimation procedure was designed to reduce the portion of the variance resulting from requiring sample areas to represent nonsample areas. Therefore, this procedure is not applied to sample areas which represent only themselves. The procedure is performed at two geographic levels: First, by the four census regions (Northeast, Midwest, South, and West), and second, for each of the 46 States which contains nonsample areas. The procedure corrects for the differences that existed at the time of the 1970 census between the distribution by race and residence of the population in the sample areas and the known race-residence distribution in the portions of the census region or State represented by these areas. The regional adjustment is performed by metropolitan-nonmetropolitan residence and race, while the State adjustment is done by urban-rural status and race.

- b. Second-stage ratio estimate. In this stage, the sample estimates of the U.S. population in the categories described below are adjusted to independently derived current estimates of the population in the same categories. The second-stage ratio estimate is performed in order to increase the reliability of the estimates and is carried out in two steps. In the first step, the sample estimates are adjusted for each State and the District of Columbia to an independent control for the civilian noninstitutional population 16 years and over, for the State. The second step of the adjustment is applied to all sample persons and is a weighting to nationwide independent population estimates of the civilian noninstitutional population, 14 years and over, within 68 age-sex-race groups. The entire second-stage ratio estimation procedure is iterated six times, each time beginning at the weights developed the previous time. This iteration ensures that the sample estimates both of State population and of the National age-sex-race categories will be virtually equal to the independent population estimates. This second-stage adjustment procedure incorporates changes instituted in January 1982. The nature of these changes is discussed in detail in "Revisions in the Current Population Survey beginning in January 1982," Employment and Earnings, February 1982.

The controls by State for the civilian noninstitutional population 16 years and over are an arithmetic extrapolation of the trend in the growth of this segment of the population from the April 1, 1980 census through the latest available July 1 estimate, adjusted as a last step to a current estimate of the U.S. population of this group. State estimates by age July 1 are published annually in Current Population Reports, Series P-25. For a description of the methodology used in developing the State total, see Report 640 of that series. Descriptions of the age estimates methodology are available on request from the Chief of the Population Division, U.S. Bureau of the Census, Washington, D.C. 20233.

Beginning with the January 1982 estimates, the independent national controls used for the age-sex-race groups in the final step of the second-stage ratio adjustment are prepared by carrying forward the April 1, 1980 total population by age, race, and sex, taking account of the subsequent aging of the population, fertility, mortality, and net immigration, and then subtracting the estimate for the institutional population and Armed Forces. The April 1, 1980 total population was computed by adding together the resident population, consistent with that published in the 1980 census Advance Reports, Series PHC80-V, and the Armed Forces overseas, as compiled from Department of Defense reports. Data on

births and deaths between April 1, 1980 and the estimate data are based on tabulations of vital statistics for the resident population made by the National Center for Health Statistics and data on deaths of military personnel overseas from the Department of Defense. Estimates of net civilian immigration are based on data provided by the Immigration and Naturalization Service, the Department of Defense, the Office of Personnel Management, and the Puerto Rico Planning Board. The civilian noninstitutional population is derived by subtracting the Armed Forces and the institutional population for the estimate date from the total, including Armed Forces overseas. The institutional population is computed by applying institutional proportions derived from the 1980 census to the total population, including Armed Forces overseas, for the estimate date. All computations described above are performed in cells defined by single year of age, race, and sex. The independent national control totals are then obtained by collapsing these cells into broader age groups for the population 14 years old and older.

NOTE: The CPS weighting procedure only produces individual weights. No household weights are present on any non-March CPS file. It is recommended that the principal person's weight be used for all tallies by household. The principal person for a household is designated by the Flag 1 in word 18, character 3 of any adult's interview record.

Comparability of CPS From Microdata Files With Published Sources.

Although total estimates of the population will equal published estimates, labor force estimates produced from a microdata file will not be directly comparable or identical with the published nonseasonally adjusted labor force data. The major reason for this is due to a final estimation procedure incorporated into the production of the published nonseasonally adjusted data. This procedure, known as a composite estimator, is a weighted average of two estimates for the current month for any particular item. The first estimate is the two-stage ratio estimate that includes all the estimation steps given above. The second estimate consists of the composite estimate for the preceding month to which has been added an estimate of the change from the preceding month, based on that part of the sample which is common to the two months (about 75 percent). This procedure is primarily used to increase the reliability of estimates of month-to-month change, although other reliability gains are also realized. As noted above, the composite estimation procedure does not affect estimates of the total population.

Another factor also inhibits microdata comparison with published labor force data. This is the seasonal adjustment that is applied to many published statistics. These adjustments are used to adjust for normal seasonal variations to help distinguish the underlying economic situation in month-to-month changes. Shown below are data from January and July 1982 which demonstrate how estimates compiled using the final weights from the microdata file may differ from the published composited estimates, with and without seasonal adjustment. (Refer to Technical Paper 40 for a further description of both the composite estimator and seasonal adjustments.)

	Civilian Noninstitutional Population	Civilian Labor Force	Employed	Unem- ployed	Not in Labor Force
<u>January 1982 Data (000's)</u>					
Final Weights	171,335	108,161	97,928	10,234	63,174
Composited (Not season- ally Adjusted)	171,335	108,014	97,831	10,183	63,321
Composited (Seasonally Adjusted)	171,335	108,879	99,581	9,298	62,456

<u>July 1982 Data (000's)</u>					
Final Weights	172,364	112,850	101,904	10,946	59,513
Composited (Not season- ally Adjusted)	172,364	112,526	101,490	11,036	59,838
Composited (Seasonally Adjusted)	172,364	110,522	99,732	10,790	61,842

In various months, differences in the sample, questionnaire, and data uses result in the need for additional adjustment procedures to produce what is called a supplement weight. Such adjustments can include, but are not limited to, supplemental noninterview adjustments, inflation of weights due to a restricted supplemental universe (such as only 4 of 8 rotation groups), or controlling to various independent population controls. In some instances, including most October school enrollment supplements, the supplement weight is controlled to and agrees with, in aggregate, the published composited estimates. Regardless of how the supplement weight was produced, when available it should be used in preparing all estimates using data from supplement items. Further documentation covering the use of the supplemental data is included as part of the supplemental documentation.

Attachment 4

GLOSSARY

Subject Concepts

Age. Age classification is based on the age of the person at his/her last birthday. The adult universe (i.e., population of marriageable age) is comprised of persons 14 years old and over.

Basic Weight. The constant weight assigned to the sample (inverse of the sampling fraction) which is adjusted to produce the final weight.

Civilian Labor Force. (See Labor Force.)

Class of Worker. This refers to the broad classification of the person's employer. These broad classifications are private, government, self-employed, without pay, and never worked. Private and government workers are considered "wage and salary workers;" this classification scheme includes self-employed, incorporated persons in with "private" workers.

Duration of Unemployment. Duration of unemployment represents the length of time (through the current survey week) during which persons classified as unemployed are continuously looking for work. For persons on layoff, duration of unemployment represents the number of full weeks since the termination of their most recent employment. A period of two weeks or more during which a person is employed or ceased looking for work is considered to break the continuity of the present period of seeking work. Average duration is an arithmetic mean computed from a distribution by single weeks of unemployment.

Earnings. Earnings data are collected for an individual's primary job during the survey week for one-fourth of the CPS sample. The universe for these data is defined on page 44 of the adult's interview record layout. The data collected include the usual hours worked, whether an individual is paid by the hour, for hourly workers their hourly pay rate, and the individual's usual weekly pay. Separate weights for tallying the earnings data are present on the file.

Education. (See Years of School Completed.)

Employed. (See Labor Force.)

ESR. (Employment Status Recode). This classification is available for each civilian 14 years old and over according to his/her responses to the monthly (basic) labor force items.

Final Weight. Used in tabulating monthly labor force items.

Full-Time Worker. Persons on full-time schedules include persons working 35 hours or more, persons who worked 1-34 hours for noneconomic reasons (e.g., illness) and usually work full-time, and persons "with a job but not at work" who usually work full-time.

Head Versus Householder. Beginning with the 1980 CPS, the Bureau of the Census discontinued the use of the terms "head of household" and "head of family." Instead, the terms "householder" and "family householder" are used.

Highest Grade of School Attended. (See Years of School Completed.)

Hours of Work. Hours of work statistics relate to the actual number of hours worked during the survey week. For example, a person who usually works 40 hours a week but who is off on the Veterans Day holiday is reported as working 32 hours even though he is paid for the holiday.

For persons working in more than one job, the figures relate to the number of hours worked in all jobs during the week. However, all the hours are credited to the major job.

Household. A household consists of all the persons who occupy a house, an apartment, or other group of rooms, or a room, which constitutes a housing unit. A group of rooms or a single room is regarded as a housing unit when it is occupied as separate living quarters; that is, when the occupants do not live and eat with any other person in the structure, and when there is direct access from the outside or through a common hall.

Householder. The householder refers to the person (or one of the persons) in whose name the housing unit is owned or rented (maintained) or, if there is no such person, any adult member, excluding roomers, boarders, or paid employees. If the house is owned or rented jointly by a married couple, the householder may be either the husband or the wife. The person designated as the householder is the "reference person" to whom the relationship of all other household members, if any, is recorded.

Currently, the CPS edit recodes the relationship to reference person (householder) entries back into the relationship to head configuration before editing the data. Work is underway to incorporate the relationship to reference data into the basic CPS edit. Until such time as the revised edit is completed, all data appearing on CPS files are edited using the relationship to head configuration.

Industry, Occupation, and Class of Worker. Industry, occupation, and class of worker (I & O) always apply to the same job. For the employed, current job is the job held in the reference week (the week before the survey). Persons with two or more jobs are classified in the job at which they worked the most hours during the reference week. The unemployed are classified according to their latest full-time civilian job lasting two or more weeks or by the job (either full-time or part-time) from which they were laid off. The I & O questions are also asked of persons not in the labor force who are in the fourth and eighth months in sample and who have worked in the last five years. For detailed information on I & O of multiple job holders, see the May supplement to the CPS.

Job Seekers. All unemployed persons who made specific efforts to find a job sometime during the 4-week period preceding the survey week.

Keeping House. Persons are classified as keeping house if they engage in their own housework. This is one of the "not in labor force" classifications—employment status recode (ESR) = 4.

Labor Force. The civilian labor force includes all civilians classified as employed or unemployed. The file includes labor force data for civilians age 14 and over. However, the official definition of the civilian labor force is age 16 and over.

1. Employed. Employed persons comprise (1) all civilians who, during the survey week, do any work at all as paid employees or in their own business or profession, or on their own farm, or who work 15 hours or more as unpaid workers on a farm or in a business operated by a member of the family; and (2) all those who have jobs but who are not working because of illness, bad weather, vacation, or Labor-Management dispute, or because they are taking time off for personal reasons, whether or not they are seeking other jobs. These persons would have an Employment Status Recode (ESR) of 1 or 2 respectively in word 19, character 1 of each individual's record which designated "at work" and "with a job, but not at work." Each employed person is counted only once. Those persons who held more than one job are counted in the job at which they worked the greatest number of hours during the survey week. If they worked an equal number of hours at more than one job, they are counted at the job they held the longest.
2. Unemployed. Unemployed persons are those civilians who, during the survey week, have no employment but are available for work, and (1) have engaged in any specific job seeking activity within the past 4 weeks such as registering at a public or private employment office, meeting with prospective employers, checking with friends or relatives, placing or answering advertisements, writing letters of application, or being on a union or professional register; (2) are waiting to be called back to a job from which they had been laid off; or (3) are waiting to report to a new wage or salary job within 30 days. These persons would have an ESR code of 3 in word 19, character 1 of each individual's record. The unemployed includes job leavers, job losers, new job entrants, and job reentrants.
 - a. Job Leavers. Persons who quit or otherwise terminate their employment voluntarily and immediately begin looking for work.
 - b. Job Losers. Persons whose employment ends involuntarily, who immediately begin looking for work, and those persons who are already on layoff.
 - c. New Job Entrants. Persons who never worked at a full-time job lasting two weeks or longer.
 - d. Job Reentrants. Persons who previously worked at a full-time job lasting two weeks or longer but are out of the labor force prior to beginning to look for work.

The word:character locations used to define these components of the unemployed are as follows: (All must be ESR=3)

Job Loser or Leaver (must be checked in sequence shown below)

- IF: WD 10:4 thru 11:4 = any entry of 1 and WD 11:5=1 and WD 12:5=1 or 2, then Loser (Lost job)
- IF: WD 10:4 thru 11:4 = any entry of 1 and WD 11:5=2 and WD 12:5=1 or 2, then Leaver (left job)
- IF: WD 10:4 thru 11:4 ≠ any entry of 1 and WD 10:1=6, then Loser (temporary layoff)
- IF: WD 10:4 thru 11:4 ≠ any entry of 1 and WD 10:1=7, then Loser (indefinite layoff)
- IF: WD 10:4 thru 11:4 ≠ any entry of 1 and 10:1=5 and 11:5=1 and 12:5=1 or 2, then Loser (New job to begin within 30 days)
- IF: WD 10:4 thru 11:4 ≠ any entry of 1 and 10:1=5 and 11:5=2 and 12:5=1 or 2, then Leaver (New job to begin within 30 days)

New Entrants and Reentrants (Exclusive of Job Losers or Leavers)

- IF: Not job loser or leaver and WD 12:5=1 or 2, then Reentrant
- IF: Not job loser or leaver and WD 12:5=3 or 4, then New Entrant

3. Not in Labor Force. All civilians 14 years old and over who are not classified as employed or unemployed. These persons are further classified as "engaged in own home housework," "in school," "unable to work" because of long-term physical or mental illness, and "other." The "other" group includes, for the most part, retired persons, those reported as too old to work, the voluntarily idle, and seasonal workers for whom the survey week is an "off" season and who were not reported as unemployed. Persons doing only incidental unpaid family work (less than 15 hours) are also classified as not in the labor force.

For persons not in the labor force, data on previous work experience, intentions to seek work again, desire for a job at the time of interview, and reasons for not looking for work are asked only in those households that are in the fourth and eighth months of the sample, i.e., the "outgoing" groups, those which had been in the sample for three previous months and would not be in for the subsequent month.

These items are asked in question 24; see the questionnaire facsimile. Such persons have an ESR code of 4-7 in word 19, character 1 of each individual's record.

Finally, it should be noted that the unemployment rate represents the number of persons unemployed as a percent of the civilian labor force 16 years old and over. This measure can also be computed for groups within the labor force classified by sex, age, marital status, race, etc. The job loser, job leaver, reentrant, and new entrant rates are each calculated as a percent of the civilian labor force 16 years old and over; the sum of the rates for the four groups thus equals the total unemployment rate.

Layoff. A person who is unemployed but expects to be called back to a specific job. If he/she expects to be called back within 30 days, it is considered a temporary layoff; otherwise, it is an indefinite layoff.

Looking for Work. A person who is trying to get work or trying to establish a business or profession.

Marital Status. The marital status classification identifies three major categories: single (never married), married, and widowed or divorced. These terms refer to the marital status at the time of enumeration.

The category "married" is further divided into "married, civilian spouse present," "married, Air Force spouse present," and "married, spouse absent." A person is classified as "married, spouse present" if the husband or wife is reported as a member of the household even though he or she may be temporarily absent on business or on vacation, visiting, in a hospital, etc., at the time of the enumeration. Persons reported as separated are those with legal separations, those living apart with intentions of obtaining a divorce, and other persons permanently or temporarily estranged from their spouses because of marital discord and are included in the "married, spouse absent" category.

Month-In-Sample. The term is defined as the number of times a unit is interviewed. Each unit is interviewed eight times during the life of the sample.

Never Worked. A person who has never held a full-time civilian job lasting two consecutive weeks or more.

Nonrelative of Head With No Own Relatives in Household. A nonrelative of the head who has no relative(s) of his/her own in the household. This category includes such nonrelatives as a foster child, a ward, a lodger, a servant, or a hired hand, who has no relatives of his/her own living with him/her in the household.

Nonrelative of Head With Own Relatives (Including Spouse) in Household. Any household member who is not related to the head but has relatives of his/her own in the household; for example, a lodger, his/her spouse, and their son.

Other Relative of Head. Any relative of the head other than his wife; for example, child, father, mother, grandson, daughter-in-law, etc.

Part-Time, Economic Reasons. The file includes slack work, material shortages, repairs to plant or equipment, start or termination of job during the week, and inability to find full-time work. (See also Full-Time Worker.)

Part-Time, Other (Noneconomic) Reasons. The file includes labor dispute, bad weather, own illness, vacation, demands of home housework, school, no desire for full-time work, and full-time worker only during peak season.

Part-Time Work. Persons who work between 1 and 34 hours are designated as working "part-time" in the current job held during the reference week.

Race. The population is divided into three groups on the basis of race: White, Black, and "Other races." The last category includes Indians, Japanese, Chinese, and any other race except White and Black. In most of the published tables, "Other Races" are shown in combination with the Black population.

Reentrants. Persons who previously worked at a full-time job lasting two weeks or longer but who are out of the labor force prior to beginning to look for work.

School. A person who spent most of his time during the survey week attending any kind of public or private school, including trade or vocational schools in which students receive no compensation in money or kind.

Self-Employed. Self-employed persons are those who work for profit or fees in their own business, profession or trade, or operate a farm.

Spanish Origin. Persons of Spanish origin in this file are determined on the basis of a question, "What is the origin or descent of each person in this household?", that asked for self-identification of the person's origin or descent. Respondents are asked to select their origin (or the origin of some other household member) from a "flash card" listing ethnic origins. Persons of Spanish origin, in particular, are those who indicated that their origin was Mexican-American, Chicano, Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish.

Unable to Work. A person is classified as unable to work because of long-term physical or mental illness, lasting six months or longer.

Unemployed. (See Labor Force.)

Unpaid Family Workers. Unpaid family workers are persons working without pay for 15 hours a week or more on a farm or in a business operated by a member of the household to whom they are related by birth or marriage.

Veteran Status. If a male served at any time during the four major wars of this century, the code for the most recent wartime service is entered. The following codes are used:

- 1 Vietnam era
- 2 Korean
- 3 WWI
- 4 WWII
- 5 Other Service
- 6 Nonveteran

Wage and Salary Workers. Wage and salary workers receive wages, salary, commission, tips, or pay in kind from a private employer or from a governmental unit.

Workers. (See Labor Force--Employed.)

Years of School Completed. Data on years of school completed can be derived from the combination of answers to questions concerning the highest grade of school attended by the person and whether or not that grade is finished. Educational attainment applies only to progress in "regular" school. Such schools include graded public, private, and parochial elementary and high schools (both junior and senior high), colleges, universities, and professional schools, whether day schools or night schools. Thus, regular schooling is that which may advance a person toward an elementary school certificate or high school diploma, or a college, university, or professional school degree. Schooling in other than regular schools is counted only if the credits obtained are regarded as transferable to a school in the regular school system.

GLOSSARY

Geographic Concepts

Geographic Division. An area composed of contiguous States, with Alaska and Hawaii also included in one of the divisions. (A State is one of the 51 major political units in the United States.) The nine geographic divisions have been largely unchanged for the presentation of summary statistics since the 1910 census.

Regions. There are four regions: Northeast, Midwest (formerly North Central),^{1/} West, and South. States and divisions within regions are presented below.

NORTHEAST REGION

New England Division

Connecticut
Maine
Massachusetts
New Hampshire
Rhode Island
Vermont

Middle Atlantic Division

New Jersey
New York
Pennsylvania

MIDWEST REGION

East North Central Division

Illinois
Indiana
Michigan
Ohio
Wisconsin

West North Central Division

Iowa
Kansas
Minnesota
Missouri
Nebraska
North Dakota
South Dakota

WEST REGION

Mountain Division

Arizona
Colorado
Idaho
Montana
Nevada
Utah
Wyoming

Pacific Division

Alaska
California
Hawaii
Oregon
Washington

^{1/} The Midwest Region was designated as the North Central Region until June 1984.

SOUTH REGION

East South Central Division

Alabama
Kentucky
Mississippi
Tennessee

West South Central Division

Arkansas
Louisiana
Oklahoma
Texas

South Atlantic Division

Delaware
District of Columbia
Florida
Georgia
Maryland
North Carolina
South Carolina
Virginia
West Virginia

Attachment 5

NOTE TO USERS

Interview and Noninterview Record Layouts. Record layouts are similar for both interviewed and noninterviewed households. Geographic data are provided for both types of records, but employment figures are furnished only for interviewed households. For noninterviewed households, these corresponding character positions are blank or padded. However, in word 7, characters 1 and 2, interview records show data for item 20, whether the household member worked last week and range of hours worked; noninterview Type A records show race of head and reason for noninterview; noninterview Types B and C records show reason for noninterview.

Records for households for which no interviews were obtained are located at the beginning of each identified geographic area. These noninterview records, having the same record length as an interviewed person's record, occasionally contain codes or numerical values that fall within a valid range of values but are analytically meaningless since these records do not represent actual person records. These records are identified by having a numerical code of "2" or "3" in word 1, character 1 of each new record. To eliminate these records and prevent the inadvertent analysis of "non-person" records, data users should select only those cases identified by a numerical code of "1" (representing an interview record) in the first column of each record.

Calculating Location of Data Within a Word. In the record layout, location of data is indicated by character position within a word. Each word signifies six character positions on the tape. To determine the location of specific data, calculate the number of positions allocated for all previous words; then, to that figure, add the character location (1-6) specified within the designated word. For example, data for major activity last week (Attachment 6, page 12) corresponds to word 9, character 1. Multiplying the number of previous words by the number of character positions per word equals 48 positions allocated for data. Thus, the first character of word 9 is located in position 49.

8	Number of previous words
<u>x 6</u>	Number of character positions per word
48	Number of positions allocated for data
<u>+ 1</u>	Character positions within designated word
49	Location of data for word 9, character 1

To determine the location of data reflecting the reason a respondent works less than 35 hours a week (word 9, characters 5-6), repeat the above calculations except substitute a "5" (noting character position within word) in place of the "1". Calculations show that this item occupies character positions 53 and 54.

CURRENT POPULATION SURVEY
ADULT INTERVIEW RECORD LAYOUT
FOR STANDARD TAPE COPIES
 (Beginning July 1985)

Word	Char.	Characteristic	Universe	Description
1	1	Record type	All	Interviewed Adult
2	2	Month in Sample (Recorded from Month and Rotation)	All	1-8
3	3	Blank		
4-6	4-6 1-6	Household ID Number	All	
7-8	7-8			
9-11	9-11	Region (From M.S.T.)	All	Northeast North Central South West
12-13	12-13			1 2 3 4

1/ MST: Master Segment Tape; supplies all geographic identifiers for CPS data.

Herd	Char.	Characteristic	Universe	Description
13-18	3	Division (From M.S.T.)	All	1 } New England 2 } Middle Atlantic 3 } East North Central 4 } West North Central 5 } South Atlantic 6 } East South Central 7 } West South Central 8 } Mountain 9 } Pacific 11 } <u>New England Division</u> 12 } Maine 13 } New Hampshire 14 } Vermont 15 } Massachusetts 16 } Rhode Island 16 } Connecticut 21 } <u>Middle Atlantic Division</u> 22 } New York 23 } New Jersey 23 } Pennsylvania
13-18	5-6	State (1st digit of State Code is Division Code) (From H.S.T.)	All	

Word	Char.	Characteristic	Universe	Description	
3	5-6	State (Int. digit of State Code in Division Code) (From U.S.T.) (Cont.)	All	<u>East North Central Division</u>	
				Ohio	31
				Indiana	32
				Illinois	33
				Michigan	34
				Wisconsin	35
				<u>West North Central Division</u>	
				Minnesota	41
				Iowa	42
				Missouri	43
				North Dakota	44
				South Dakota	45
				Nebraska	46
				Kansas	47
				<u>South Atlantic Division</u>	
				Delaware	51
				Maryland	52
				District of Columbia	53
				Virginia	54
				West Virginia	55
				North Carolina	56
				South Carolina	57
				Georgia	58
				Florida	59
				<u>East South Central Division</u>	
				Kentucky	61
				Tennessee	62
				Alabama	63
				Mississippi	64

Attachment A

Word	Chr.	5-6	Characteristic	Universe	Description	
3		5-6	State (1st digit of State Code in Division Code) (From N.S.T.) (Con't)	All	<u>West South Central Division</u>	71 72 73 74
					Arkansas	
					Louisiana	
					Oklahoma	
					Texas	
					<u>Mountain Division</u>	81 82 83 84 85 86 87 88
					Montana	
					Idaho	
					Wyoming	
					Colorado	
					New Mexico	
					Arizona	
					Utah	
					Nevada	
					<u>Pacific Division</u>	91 92 93 94 95
					Washington	
					Oregon	
					California	
					Alaska	
					Hawaii	

-more-

Word	Char.	Characteristic	Unl verso	Description	1980 Ranking
h	1-2	State Rankings (From N.S.T.)	All	California (CA)	01
				New York (NY)	02
				Texas (TX)	03
				Pennsylvania (PA)	04
				Illinois (IL)	05
				Ohio (OH)	06
				Florida (FL)	07
				Michigan (MI)	08
				New Jersey (NJ)	09
				North Carolina (NC)	10
				Massachusetts (MA)	11
				Indiana (IN)	12
				Georgia (GA)	13
				Virginia (VA)	14
				Missouri (MO)	15
				Wisconsin (WI)	16
				Tennessee (TN)	17
				Maryland (MD)	18
				Louisiana (LA)	19
				Washington (WA)	20
				Minnesota (MN)	21
				Alabama (AL)	22
				Kentucky (KY)	23
				South Carolina (SC)	24
				Connecticut (CT)	25
				Oklahoma (OK)	26
				Iowa (IA)	27
				Colorado (CO)	28
				Arizona (AZ)	29
				Oregon (OR)	30

Word	Char.	Characteristic	Unlvergn	Description	1980 Ranking
1	1-2	State Rankings (Cont.) (From U.S.T.)	All	Mississippi (MS)	31
				Kansas (KS)	32
				Arkansas (AR)	33
				West Virginia (WV)	34
				Nebraska (NE)	35
				Utah (UT)	36
				New Mexico (NM)	37
				Maine (ME)	38
				Hawaii (HI)	39
				Rhode Island (RI)	40
				Idaho (ID)	41
				New Hampshire (NH)	42
				Nevada (NV)	43
				Montana (MT)	44
				South Dakota (SD)	45
				North Dakota (ND)	46
				Dist. of Columbia (DC)	47
				Delaware (DE)	48
				Vermont (VT)	49
				Wyoming	50
				Alaska	51

The next page is Page 8

There is no page 7

Attachment A

Page 8

Word

Char.

Characteristic

Universe

Description

4

3-4

PADDING

5

5

Item 1 - INTERVIEWER CHECK
ITEM

A11

1

Blank or Impossible
Only CPS-1 for household

2

2

First CPS-1 of cont.
household

3

Second CPS-1 of cont.
household

4

Third, fourth, etc. CPS-1

6

6

Blank

-more-

Attachment A

Description

Universe

Characteristic

Char.

Word

Word	Char.	Characteristic	Universe	Description
5	1-3	Blank		
6	1-6	Item 10 - INTERVIEWER CODE	All	Blank or Impossible in any digit -NA, or App-N79 (Excluding 1--)
6	1	Item 12 - LINE NO. H'HD RESP.	All	Blank or Impossible 1-6 7
6	2	Item 13 - TYPE INTERVIEW	All	Non H'hd Resp. Blank Personal Tel. - Regular Tel. - Callback ICR Filled 2 3 4 5
3-4	3-4	Item 11 - DATE COMPLETED	All	Day of Month -- or 10-29 1 2
5	5	Item 26A1--Is . . . attending or enrolled in a high school, college or university?	Item 26=1	Yes No 1 2
6	6	Item 26A2--Verification of Item 26A1	Item 26A1=1	High School College or Univ. 1 2

Word	Char.	Characteristic	Universe	Description	
7	1	<u>Item 20</u> - Did...do any work at all LAST WEEK?	All	Blank or Impossible	- 1 2
	2	<u>Item 20 1/2</u> - INTERVIEWER CHECK	All	Blank or Impossible 49+ hours 1-34 hours 35-48 hours	- 1 2 3
	3	<u>Item 21</u> - Did...have a job or business from which he was temporarily absent or on layoff LAST WEEK?	All	Blank or Impossible	- 1 2
	4	<u>Item 22</u> - Has...been looking for work during the past 4 weeks?	All	Blank or Impossible	- 1 2
	5	<u>Item 24</u> - INTERVIEWER CHECK ITEM	All	Blank or Impossible Unit is in continuing rotation Unit is in departing rotation	- 1 2
	6	Blank			

-more-

Description

Universe

Characteristic

Char.

Word

1
2, 3

Nonfarm
Farm

All

1 Land Usage (Recode) (Edited using Urban/Rural Code from M.S.T. and GPS-1 Document Items 5a. and 5b-new in Feb. '76) Recode reflects "old" Farm Definition.

2-3 Item 4 - TYPE OF LIVING QUARTERS (Recode) Reflects New Farm Definition (Effective April 1984: All

- Housing Unit 01
- House, apt., flat 02
- IU in nontransient hotel, etc. 03
- IU, permanent, in trans. hotel, motel, etc. 04
- IU in rooming house 05
- Mobile home or Trailer 06
- IU not specified above
- Other Unit 07
- Qtrs. not IU in rooming or boarding house 08
- Unit not permanent in trans. hotel, motel, etc. 09
- Tent or trailer site 10
- Other not IU

1
2, 3

Nonfarm
Farm

All

4 New Farm Definition (Recode) Effective February 1976. (Filled using Urban/Rural Code from M.S.T. and GPS-1 Document Items 5a. and 5b.)

Attachment A

Item	Char.	Characteristic	Universe	Description
0	5	Blank		
6		Item 2 - HOUSEHOLD NUMBER	All	
9	1	Item 17 (Recode) - What was...doing most of LAST WEEK (Major Activity)?	All	Working With a job Looking Home School Unable Other (Incl. Retired)
2-3		Item 20A - How many hours did...work LAST WEEK at all jobs?	FSR 1	Number of Hours
4		Item 20C - Does...USUALLY work 35 hours or more a week at this job?	FSR 1 & Item 20A less than 35 hours	Yes No
5-6		Item 20C - Reason less than 35 hours a week (Recorded)	FSR 1 & Item 20A less than 35 hours	01 Slack work 02 Material shortage 03 Plant or machine repair 04 New job started during week 05 Job terminated during week 06 Could find only part-time work 07 Holiday (Legal or Religious) 08 Labor dispute 09 Bad weather 10 Own illness 11 On vacation 12 Too busy with home, school, etc. 13 Did not want full-time work 14 Full-time work week under 35 hours 15 Other reason

Attachment A

Word	Char.	Characteristic	Inverse	Description
10	1	Item 21A - Why was...absent from work LAST WEEK?	FSR 2	1 Own illness 2 On vacation 3 Bad weather 4 Labor dispute 5 New job to begin within 30 days 6 Temporary layoff (under 30 days) 7 Indefinite layoff (30 days or more or no definite recall date) 0 Other
56	2	Item 21B - In...getting wages or entry for any of the time off LAST WEEK?	FSR 2	1 Yes 2 No 3 Self employed
40	3	Item 21C - Does...usually work 35 hours or more a week at this job?	FSR 2	1 Yes 2 No
57	4	Item 22A - What has...been doing in the last 4 weeks to find work?	FSR 3	1 Blank Entry 2 Blank Entry
58	5	Methods used - through word 11:4. Multiple entries are possible.	FSR 3	1 Blank Entry 2 Blank Entry
59	5	Checked with public employment agency.	FSR 3	1 Blank Entry 2 Blank Entry
	5	Checked with private employment agency.	FSR 3	1 Blank Entry 2 Blank Entry

Attachment A

Word	Chnr.	Characteristic	Universe	Description
		<u>Item 22A - Methods (Con't)</u>		
10	6	Checked with employer directly.	ESR 3	Blank Entry 1
11	1	Checked with friends or relatives.	ESR 3	Blank Entry 1
12	2	Placed or answered ads.	ESR 3	Blank Entry 1
13	3	Nothing	ESR 4-7	Blank Entry 1
14	4	Other	ESR 3	Blank Entry 1
15	5	<u>Item 22B - Why did...start 1/</u> <u>looking for work?</u>	ESR 3 Except layoff in Item 21A, coden 6 & 7	Lost job 1 Quit job 2 left school 3 Wanted temporary work 4 Other 5
16	6	<u>Item 22C - Weeks unemployed</u> <u>(New job starting in 30 days,</u> <u>weeks laid off, or weeks</u> <u>looking for work)</u>	ESR 3	Number of Weeks 00-99
17	1			
18	2	<u>Item 22D - Has...been looking</u> <u>for full-time or part-time</u> <u>work?</u>	ESR 3	Full 1 Part 2

-more-

Attachment A

Word	Char.	Characteristic	Universe	Description	
12	3	Item 22E - Digit 1 - Is there any reason why...could not take a job LAST WEEK?	ESR 3	Yes No	1 2
4		Item 22E - Digit 2 - Is there any reason why...could not take a job LAST WEEK?	ESR 3 & Yes in Digit 1	Already had a job Temporary illness	1 2
5		Item 22F - When did...last work at a full-time job or business lasting 2 consecutive weeks or more? (Recorded)	ESR 4-7	{ Going to school Other	3 4
6		Item 2/A - When did...last work for pay at a regular job or business, either full- or part-time?	ESR 3 - Re-entrants to Labor Force New entrants to Labor Force	{ In last 5 years Before last 5 years Never worked full-time 2 weeks or more Never worked at all	1 2 3 4
			ESR 4-7	Within past 12 months 1 up to 2 years ago 2 up to 3 years ago 3 up to 4 years ago 4 up to 5 years ago 5 or more years ago Never worked	1 2 3 4 5 6 7

-more-

1/ Recode starting January 1986.

Attachment A

Word	Char.	Characteristic	Universe	Description	
73	1	Item 2/10 - My old...leave that job?	FSR 4-7 and 1-5 in Item 2/A	Personal, family or school health	1
				Retirement or old age	2
				Seasonal job completed	3
				Slack work or business conditions	4
				Temporary nonseasonal job completed	5
				Unsatisfactory work arrangements	6
				Other	7
					8
74	2	Item 2/10 - Does...want a regular job now, either full- or part-time?	FSR 4-7 and Month in Sample is 4 or 0 (Departing relations)	Yes	1
				Maybe, it depends	2
				No	3
				Don't know	4
75		Reasons through 15:1. Multiple entries possible.		Blank	1
				Entry	1
76		Believes no work available in line of work or area	Item 2/10 in 1 or 2	Blank	1
				Entry	1
77		Couldn't find any work	Item 2/10 in 1 or 2	Blank	1
				Entry	1
78		Lacks necessary schooling, training, skills or experience	Item 2/10 in 1 or 2	Blank	1
				Entry	1
		Employers think too young or too old	Item 2/10 in 1 or 2	Blank	1
				Entry	1

-more-

Attachment A

Word	Char.	Characteristic	Universe	Description
77	1	Item 2/10 - Menions (Cont.)	Item 2/10 is 1 or 2	Blank Entry
78	2	Other personal handicap in finding job	Item 2/10 is 1 or 2	Blank Entry
79	3	Can't arrange child care	Item 2/10 is 1 or 2	Blank Entry
80	4	Family responsibilities	Item 2/10 is 1 or 2	Blank Entry
81	5	In school or other training	Item 2/10 is 1 or 2	Blank Entry
82	6	All health, physical disability	Item 2/10 is 1 or 2	Blank Entry
83	1	Other	Item 2/10 is 1 or 2	Blank Entry
84	15	Don't know	Item 2/10 is 1 or 2	Blank Entry
85	2	Item 2/10 - Does... intend to look for work of any kind in the next 12 months?	FSR 4-7 and Month in sample is 4 or 8 (Departing rotations)	Yes It depends No Don't know

-more-

Word	Char.	Character Code	Universe	Description	Code
67	8	15	3	Item 2JE - Class of worker (filled and recoded)	1 2 3 4 5
68		16	3	Item 2JE - Class of worker (filled and recoded)	1 2 3 4 5
69		16	3	Item 2JE - Class of worker (filled and recoded)	1 2 3 4 5
70		16	3	Item 2JE - Class of worker (filled and recoded)	1 2 3 4 5
71		16	3	Item 2JE - Class of worker (filled and recoded)	1 2 3 4 5
72		16	3	Item 2JE - Class of worker (filled and recoded)	1 2 3 4 5
73		16	3	Item 2JE - Class of worker (filled and recoded)	1 2 3 4 5
74		16	3	Item 2JE - Class of worker (filled and recoded)	1 2 3 4 5
75		16	3	Item 2JE - Class of worker (filled and recoded)	1 2 3 4 5
76		16	3	Item 2JE - Class of worker (filled and recoded)	1 2 3 4 5
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81		16	3	Item 2JE - Class of worker (filled and recoded)	1 2 3 4 5
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95		16	3	Item 2JE - Class of worker (filled and recoded)	1 2 3 4 5
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99		16	3	Item 2JE - Class of worker (filled and recoded)	1 2 3 4 5
100		16	3	Item 2JE - Class of worker (filled and recoded)	1 2 3 4 5

01-39

Head with other relative (incl. wife) in household
 Head with no other relative in household
 Wife of head
 Other relative of head
 Nonrelative of head with own relative (incl. wife) in household
 Nonrelative of head with no own relative in household

ALL

Item 100 - RELATIONSHIP TO HEAD OF HOUSEHOLD
 (Recode from Relationship To Reference Person)

6

1
2
3
4
5
6

Word	Char.	Character(s)	Universe	Description
17	1-2	Item 18D - AGE	All	14-90 ^{1/2}
	3	Item 18E - MARITAL STATUS (Recode)	All	1 Married, civilian spouse present 2 Married, Armed Force spouse present 3 Married, spouse absent (incl. separated) 4 Widowed or divorced 5 Never Married
	4	Item 18J - RACE (Recode)	All	1 White 2 Black 3 Other
	5	Item 18G - SEX	All	1 Male 2 Female
	6	Item 18G - VETERAN STATUS	Males	1 Vietnam Era 2 Korean War 3 World War II 4 World War I 5 Other Service 6 Nonveteran

^{1/2} Age topcoded at 90.

-more-

Description

Universe

Characteristic

Char.

Word

Word	Char.	Characteristic	Universe	Description
10	1-2	Item 1b1 - HIGHEST GRADE (OF SCHOOL) ATTENDED	All	None
				F1
				F2
				F3
				F4
				F5
				F6
				F7
				F8
				H1
				H2
				H3
				H4
				G1
				G2
				G3
				G4
				G5
				G6+
				Y00
				No

None

F1

F2

F3

F4

F5

F6

F7

F8

H1

H2

H3

H4

G1

G2

G3

G4

G5

G6+

Y00

No

01

02

03

04

05

06

07

08

09

10

11

12

13

14

15

16

17

18

19

1

2

103

104

105

106

107

Item 26--Interview Check
Item: This person is

All

16-24 Years of Age
All Others

1
2

-more-

Attachment A

Word	Char.	Characteristic	Universe	Employed	Description
19	1	ESR - Employment Status Record (Last Week)	ALL	Employed	Working with job, not at work
				Unemployed	Looking
				Not in Labor Force	Home School Unable
					Other (Inclusive Notated)
					Full-time
					Part-time
					No
					Yes
					991-999
20	2	Item 26B--Is...enrolled in school as a full-time or part time student?	Item 26A1=1	ALL	1/
	3	Indicator for principal person of household		ALL	
	4-6	Decrement Count (in Urban Work Unit)		ALL	
	1-3	Work Unit Number (From Breaker Sheet)		ALL	
	4-5	Health		ALL	
	6	Year - Last Digit		ALL	
	21 & 22	Final Weight		ALL	

112-114
115-117
118-119
120
121-132

If Breaker was missing 991 Analyzed
001 or 001-999
01-12
0-9
No Unemployment Pooling Placed. (Might Justified, since fill -01)

1/ This position is filled for all records on this file. Adults are filled as listed above. Children (0-13 years old) are plugged "2". Noninterviews are plugged "1" as a household indicator.

-more-

Next page is 23.

Word	Char.	Characteristic	Universe	Description
33-138	23	PADDING		
39-141	1-6	}		
41-141	1-3			
44-144	4-6	JRCERR	All	No. of errors charged to Enumerator 000-999
45-147	1-3	CMSA/MSA Rank Code (Beginning October 1985)	All	Not identifiable Nonmetropolitan Identified 1/ 000 000 001-252
48-149	4-5	PMSA Rank Code (Beginning October 1985)	All	Not identifiable Not in a PMSA Identified 1/ 00 00 01-12
50-150	6	Individual Central City Code (Beginning October 1985)	All	Not identifiable Identified 1/ 0 1-4
51-151	1	Metropolitan Status Code	All	Metropolitan 1 Nonmetropolitan 2 Not identifiable 3
52-152	2	Central City Status Code (Beginning October 1985)	All	Central City 1 Balance of MSA/PMSA 2 Nonmetropolitan 3 Not identifiable 4
53-153	3	Blank		
54-154	4	MSA/CMSA Size (From M.S.T. reflecting 1983 Population Estimates) (Beginning October 1985)		Not identifiable 0 100,000-249,999 2 250,000-499,999 3 500,000-999,999 4 1,000,000-2,499,999 5 2,500,000-4,999,999 6 5,000,000-9,999,999 7 10,000,000+ 8

1/ See Appendix #1

Word	Char.	Characteristic	Universe	Description
100-26	5	Item 101 - ETHNICITY	All	1 Mexican American 2 Chicano 3 Mexican (Mexicano) 4 Puerto Rican 5 Cuban 6 Central or South American 7 Other Spanish 8 All other 9 Don't know A NA

174 6 PADDING

100-26 210-208 1-2 157-158

Weighting Age Recode	Universe	Description
01 14-15	All	Years old
02 16-17		
03 18-19		
04 20-21		
05 22-24		
06 25-29		
07 30-34		
08 35-39		
09 40-44		
10 45-49		
11 50-54		
12 55-59		
13 60-64		
14 62-64		
15 65-69		
16 70-74		
17 75+		

Word	Char.	Characteristic	Universe	Description
27	54 3	Blank		
28	60 4	RACE Recode	All	White 1 Other 2
29	61 5	Blank		
30	62 6	Blank		
31	63 1	Part time status	All	P.T. for Econ. reason 5 Vol. Part time workers 6 All other 0

Year	Char.	Characteristic	Universe	Description	
1957	2	Race-Sex Recode	All	Male white	1
				Female white	2
				Male other	3
				Female other	4
1955	3	Aprl. Wage and Salary	All	Not in Universe	0
				In Universe	1
1955	4	Labor Force status	All	Civilian Labor Force	3
				Not in Labor Force	4
1957	5	Full time or Part time status	All	Not in Labor Force	0
				Employed full time	1
				Part time for economic reasons	2
				Unemployed full time	3
				Employed part time	4
				Unemployed part time	5
1958	6	Experienced Labor Force Employment Status	All	Not in experienced Labor Force	0
				Employed	1
				Unemployed	2
1959	1	Household relationship	All	Male head, living with relatives	1
				Male head, living without relatives	2
				Male relative of head	3
				Male nonrelative of head	4
				Female head, living with relatives	5
				Female head, living without relatives	6
				Wife of head	7
				Female relative of head	8
				Female nonrelative of head	9

Attachment A

Word	Char.	Characteristic	Universe	Description
152 29	2	Employed Class of Worker	All	Not Employed Private Government Self-employed Unpaid family
176	3	BLANK		
172	4	Labor Force by time worked or lost	All	Not in Labor Force At work With job, not at work Unemployed, seeking full time Unemployed, seeking part time
173	5	Duration of unemployment	All	Not unemployed Less than 5 weeks 5 and 6 weeks 7 to 10 weeks 11 to 14 weeks 15 to 26 weeks 27 to 39 weeks 40 to 51 weeks 52 weeks and over

Attachment A

Word	Char.	Characteristic	Universe	Description	Not in Universe	In Universe
174	29	6	ALL	Civilian Labor Force	Not in Universe	0
					In Universe	1
175	30	1	ALL	Unemployed	Not in Universe	0
					In Universe	1
176	2	2	ALL	Unemployed 15 weeks, or more	Not in Universe	0
					In Universe	1
177	3	3	ALL	Other MILF	Not in Universe	0
					In Universe	1
178	4	4	ALL	Full Time Labor Force	Not in Universe	0
					In Universe	1
179	5	5	ALL	Looking for full time work	Not in Universe	0
					In Universe	1
180	6	6	ALL	Wage and salary worker	Not in Universe	0
					In Universe	1
181	31	1	ALL	Employed persons	Not in Universe	0
					In Universe	1
182	2	2	ALL	Employed persons (Excluding farm worker & Private Household Workers)	Not in Universe	0
					In Universe	1
183	3	3	ALL	Experienced Labor Force	Not in Universe	0
					In Universe	1
184	4	4	ALL	Full time experienced Labor Force	Not in Universe	0
					In Universe	1

Word	Char.	Characteristic	Universe	Not in Universe In Universe	Not in Universe In Universe
31	5	Full time employed and economic part time	All	0 1	0 1
32	6	Non-agriculture industries	All	0 1	0 1
	1	Non-agriculture wage and salary worker	All	0 1	0 1
	2	Agriculture	All	0 1	0 1
	3	BLANK			
	4	BLANK			
	5	Manufacturing wage and salary	All	0 1	0 1
	6	Private wage and salary	All	0 1	0 1
	1	Part time for noneconomic reasons	All	0 1	0 1
	2	Persons seeking full time work (W & S)	All	0 1	0 1
	3	Unemployed with no previous work experience	All	0 1	0 1

Attachment A

Word	Char.	Characteristic	Universe	Description	
33	4	Full time labor force	All	Not in Universe	0
				Employed Full Time	3
				Looking for Full Time Work	4
5	5	Program Signal	All		0
6	6	Program Signal	All		1
1-2	36	Age 1	All		00
				14-15	01
				16-17	02
				18-19	03
				20-24	04
				25-34	05
				35-44	06
				45-54	07
				55-59	08
				60-64	09
				65+	
3-4	3-4	Age 1A (16-21 years)	All	Not 16-21	00
				16-21 yrs. School	10
				16-21 yrs. Other	11
5-6	5-6	Age 2	All	Less than 25 years	00
				25-29	01
				30-34	02
				35-39	03
				40-44	04
				45-49	05
				50-54	06
				55-59	07
				60-64	08
				65-69	09
				70+	10
					11

176
177
178
179-200

203-204

-more-

Word	Chr.	Characteristic	In verse	Description																																																
35	1-2	Major Activity Ages 16-24	All	<table border="1"> <thead> <tr> <th colspan="2">Major Activity</th> <th colspan="2">Other</th> </tr> <tr> <th>Age</th> <th>School</th> <th>FEI, MSP</th> <th>FEI</th> </tr> </thead> <tbody> <tr><td>16</td><td>1</td><td>10</td><td>19</td></tr> <tr><td>17</td><td>2</td><td>11</td><td>20</td></tr> <tr><td>18</td><td>3</td><td>12</td><td>21</td></tr> <tr><td>19</td><td>4</td><td>13</td><td>22</td></tr> <tr><td>20</td><td>5</td><td>14</td><td>23</td></tr> <tr><td>21</td><td>6</td><td>15</td><td>24</td></tr> <tr><td>22</td><td>7</td><td>16</td><td>25</td></tr> <tr><td>23</td><td>8</td><td>17</td><td>26</td></tr> <tr><td>24</td><td>9</td><td>18</td><td>27</td></tr> <tr><td colspan="2">All Others</td><td></td><td>00</td></tr> </tbody> </table>	Major Activity		Other		Age	School	FEI, MSP	FEI	16	1	10	19	17	2	11	20	18	3	12	21	19	4	13	22	20	5	14	23	21	6	15	24	22	7	16	25	23	8	17	26	24	9	18	27	All Others			00
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205-106
207-208

Attachment A

Word	Char.	Characteristic	Universe	Description																																																							
35	5-6	Employed status (civilian noninstitutional population)	All	<table border="1"> <thead> <tr> <th>Employed in Agriculture</th> <th>01</th> </tr> <tr> <th>Employed in Nonagriculture</th> <th>02</th> </tr> <tr> <th>Unemployed</th> <th>03</th> </tr> <tr> <th>Unemployed</th> <th>04</th> </tr> <tr> <th>School</th> <th>05</th> </tr> <tr> <th>Unemployed</th> <th>06</th> </tr> <tr> <th>Other</th> <th></th> </tr> <tr> <th>Unpaid family worker (1-14 hours.) Agriculture</th> <th>07</th> </tr> <tr> <th>Unpaid family worker (1-14 hours.) Nonagriculture</th> <th>08</th> </tr> <tr> <th>Farm residents</th> <th>09</th> </tr> <tr> <th>Nonfarm residents</th> <th>10</th> </tr> </thead></table>	Employed in Agriculture	01	Employed in Nonagriculture	02	Unemployed	03	Unemployed	04	School	05	Unemployed	06	Other		Unpaid family worker (1-14 hours.) Agriculture	07	Unpaid family worker (1-14 hours.) Nonagriculture	08	Farm residents	09	Nonfarm residents	10																																	
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36	1-2	Marital status by Age 1	All	<table border="1"> <thead> <tr> <th>Age</th> <th>Single</th> <th>ASP</th> <th>KCA</th> <th>MID/DIV</th> </tr> </thead> <tbody> <tr> <td>16-17</td> <td>01</td> <td>12</td> <td>23</td> <td>34</td> </tr> <tr> <td>18-19</td> <td>02</td> <td>13</td> <td>24</td> <td>35</td> </tr> <tr> <td>20-24</td> <td>03</td> <td>14</td> <td>25</td> <td>36</td> </tr> <tr> <td>25-34</td> <td>04</td> <td>15</td> <td>26</td> <td>37</td> </tr> <tr> <td>35-44</td> <td>05</td> <td>16</td> <td>27</td> <td>38</td> </tr> <tr> <td>45-54</td> <td>06</td> <td>17</td> <td>28</td> <td>39</td> </tr> <tr> <td>55-59</td> <td>07</td> <td>18</td> <td>29</td> <td>40</td> </tr> <tr> <td>60-64</td> <td>08</td> <td>19</td> <td>30</td> <td>41</td> </tr> <tr> <td>65+</td> <td>09</td> <td>20</td> <td>31</td> <td>42</td> </tr> <tr> <td>Less than 16 years old</td> <td>- 00</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Age	Single	ASP	KCA	MID/DIV	16-17	01	12	23	34	18-19	02	13	24	35	20-24	03	14	25	36	25-34	04	15	26	37	35-44	05	16	27	38	45-54	06	17	28	39	55-59	07	18	29	40	60-64	08	19	30	41	65+	09	20	31	42	Less than 16 years old	- 00			
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109-210

211-212 36

213-214

-more-

Word Char. Characteristic

Universe

Description

36	5-6	Major Industry (II)	Civ. Labor Force	Never Worked	00
				Agriculture	01
				Mining	02
				Construction	03
				Manufacturing	
				Durable goods	04
				Non-durable goods	05
				Transportation and public utilities	
				Postal	06
				Other transportation	07
				Other utilities	08
				Wholesale and retail trade	09
				Wholesale trade	10
				Retail trade	
				Finance, insurance, and real estate	11
				Private household service	12
				Miscellaneous service	
				Business and repair	13
				Personal, except private household	14
				Entertainment and recreation	15
				Medical, except hospitals	16
				Hospitals	17
				Welfare and religious	18
				Education	19
				Other professional services	20
				Forestry and fisheries	21
				Public administration GAP	22

1/ Starting with January, 1983, "Postal" workers were moved from "Public Administration" and placed under "Transportation", "Railroads and railway express" were included with "Other transportation"

2/ Starting in January, 1983, "Public Administration" includes the category "Armed Forces" which is restricted to unemployed persons who reported one of the military services as being their last job.

1/ 2/

Attachment A

Page 36

Word	Chr.	Characteristic	Universe	Description
------	------	----------------	----------	-------------

37 1-2 BLANK

217-216

Word	Chr.	Characteristic	Universe	Description	EMP	UNEMP
219-220	3-4	Class of worker Employed-Unemployed	Civ. Labor Force	Private Government (Federal, Local, and State) Self-employed Unpaid family Never Worked	01 02 03 04	05 06 07 08 00

-more-

Attachment A

Word	Char.	Characteristic	Universe	Description
37	5-6	Major Industry (I)	Civ. Labor Force	Agriculture, Private Household workers & never worked 00
				Mining 01
				Construction 02
				Manufacturing 03
				Durable goods 04
				Non-durable goods 05
				Transportation and public utilities 06
				Postal 07
				Other transportation 08
				Other utilities 09
				Wholesale and retail trade 10
				Wholesale trade 11
				Retail trade 12
				Finance, insurance, and real estate 13
				Miscellaneous services 14
				Business and repair 15
				Personal, except private household 16
				Entertainment and recreation 17
				Medical, except hospitals 18
				Hospitals 19
				Welfare and religious 20
				Education 21
				Other professional services 22
				Forestry and fisheries 23
				Public administration 24

1/ 2/ See page 33

-more-

SI	Char.	Characteristic	Universe	Description	Code
10	1-2	Detailed Industry	Civ. Labor Force	Never Worked	00
				Goods-producing industries	01
				Agricultural production	02
				Agricultural services	03
				Mining	04
				Construction	
				Manufacturing	
				Durable Goods	
				Leather	06
				Furniture	07
				Stone, clay, glass	08
				Primary metals	09
				3/ Fabricated metals (incl. not spec. metal)	10
				Machinery, exc. elect.	11
				Electrical equipment	12
				Transportation equipment	13
				Automobiles	14
				Aircraft	
				Other transportation equip.	15
				Instruments	16
				Miscellaneous	17
				Non-durable goods	
				Food	18
				Tobacco	19
				Textiles	20
				Apparel	21
				Fiber	22
				Printing	23
				Chemicals	24
				Petroleum	25
				Rubber and plastics	26
				Leather and not specified manufacturing	27

3/ Starting in January, 1983, "Ordnance" was combined with "Fabricated metals."

7-23-224

-more-

Word	Char.	Characteristic	Industry (Cont.)	Industry	Description	
30	1-2	Detailed Industry (Cont.)	Civ. Labor Force		Service-producing industries	20
					Transportation and public utilities	29
					Other transportation	30
					Communications	31
					Other public utilities	32
					Trade	33
					Wholesale	34
					Retail	35
					Eating and drinking places	36
					Other retail	37
					Finance, insurance, and real estate	38
					Banking and other finance	39
					Insurance and real estate	40
					Private household service	41
					Miscellaneous services	42
					Business and repair	43
					Business	44
					Repair	45
					Personal services, except private household	46
					Entertainment and recreation	47
					Professional services	48
					Medical, except hospitals	49
					Hospitals	50
					Welfare and religious	51
					Educational	52
					Other professional	53
					Forestry and fisheries	54
					Public administration	55
					Armed Forces	56
					Other federal	57
					State	58
					Local	59

1/

1/ 2/ See page 33.

-more-

Revised 3/84

Word	Char.	Character Code	Universe	Description
------	-------	----------------	----------	-------------

30 3-6 BLANK

229-230
39 1-2

Manufacturing

Civ. Labor Force

Never worked or not Hfg. Incl. (X)
burnable goods

- Lumber 02
- Furniture 03
- Stone, clay, glass 04
- Primary metals 05
- 3/ Fabricated metals (Incl. not spec. metal) 06
- Machinery, exc. elect. 07
- Electrical equipment 08
- Transportation equipment 09
- Automobiles 10
- Aircraft 11
- Other transportation equipment 12
- Instruments 13
- Miscellaneous 13

3/ See page 36.

-RORO-

Attachment A

Word	Char.	Characteristic	Universe	Description	
221-230	39	1-2	Civ. Labor Force	Nonferrous goods	14
				Food	15
				Tobacco	16
				Textiles	17
				Apparel	18
				Paper	19
				Printing	20
				Chemicals	21
				Petroleum	22
				Rubber and plastics	23
				Leather and not specified manufacturing	24
				Unemployed and HLF	00
				With a job but not at work	01
				Illness	02
				Vacation	03
				Bad weather	04
				Labor dispute	05
				All other	06
				All work	07
				1-4 hours	08
				5-14 hours	09
				15-21 hours	10
				22-29 hours	11
				30-34 hours	12
				35-39 hours	13
				40 hours	14
				41-47 hours	15
				48 hours	16
				49-59 hours	17
				60 hours or more	18
231-232	3-4	Reasons not at work or hours at work	All		

-more-

Word	Char.	Characteristic	Universe	Description	
39	5-6	At work 1-3/4 hours by hours at work	FSR = 1 (Person's at work) and 20A is less than 35	Usually full time, part time for noneconomic reasons Usually work full time, part time for economic reasons 1-4 hours 5-14 hours 15-29 hours 30-34 hours Usually work part time, economic reasons 1-4 hours 5-14 hours 15-29 hours 30-34 hours Usually work part time, noneconomic reasons 1-4 hours 5-14 hours 15-29 hours 30-34 hours	00 01 02 03 04 05 06 07 08 09 10 11 12
40	1-2	Detached reason by hours 1-3/4	FSR = 1 (At Work) and 20A is less than 35	Not In Universe Usually work full time Black work Material shortages; plant or machine repair New job started Job terminated Holiday Labor dispute Bad weather Own illness On vacation All other	00 01 02 03 04 05 06 07 08 09 10

235-236

Word	Char.	Characterizable	Universe	Description
235-236	1-2	Detailed reason by hours 1-3% (Cont)	ESR = 1 (At work) and 20A in loss than 35	11 Usually work part time 12 Slack work 13 Could find only part time work 14 On illness 15 Too busy or did not want full time 16 Full-time work work in under 35 hours All other
237-238	3-4	Reason not at work and pay status	ESR = 2 (with job; not at work)	00 Not in universe Usually work full time 01 Paid 02 Vacation 03 Illness 04 All other 05 Not Paid 06 Vacation 07 Illness 08 All other 09 Usually work part time 10 Paid 11 Vacation 12 Illness 13 All other 14 Not Paid 15 Vacation 16 Illness 17 All other
239-240	5-6	Program Signal	All	50
241-246	1 } 41 thru 42 }	Veteran's Weight ^{1/} (Starting January 1986)	All 16+	Two implied decimal places, right justified, space filled

^{1/} CPS final weights controlled to independent veterans estimates from the Veterans Administration. Used exclusively for tallying Labor Force status of Veterans/Nonveterans

-more-

The next page is 43.

Word	Char.	Characteristic	Universe	Description
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Edited Earnings Items (outgoing rotations only)

43 and 44	ALL	Earnings Weight for ALL Races	Eligible for Earnings 1/	Two implied decimal places, right justified, space filled
45 and 46	ALL	Earnings Weight for Spanish	Eligible for Earnings 1/ and Ethnicity = Spanish	Two implied decimal places, right justified, space filled
47 and 48	ALL	PADDING		
49	1	Eligibility Flag 1/	ALL	Not eligible
50	2-3	125A (Edited) - Usual hours worked per week?	Eligible	Hours worked
51	4	125B (Edited) - Paid by hour?	Eligible	Yes No
52	5-6	125C (Edited) - Earnings per hour? (See Appendix #2)	125D (Edited) = 1	Earnings per hour (2 implied decimal places)
53	3-5	125D (Edited, computed) 2/	Eligible	Earnings per week

1/- One of the following conditions must be met for a person to be in the universe:

- (1) If outgoing rotation (wd. 1, ch. 2=4 or 0) and ESR 1 or 2 (wd. 19, ch. 1=1 or 2) and edited item 23E is Private (wd. 15, ch. 3=1) and unedited item 23E is blank, private, or government (wd. 53, ch. 6/5, 6, 7, or 0)
- (2) If outgoing rotation and ESR 1 or 2 and edited item 23E is Government (wd. 15, ch. 3=2)

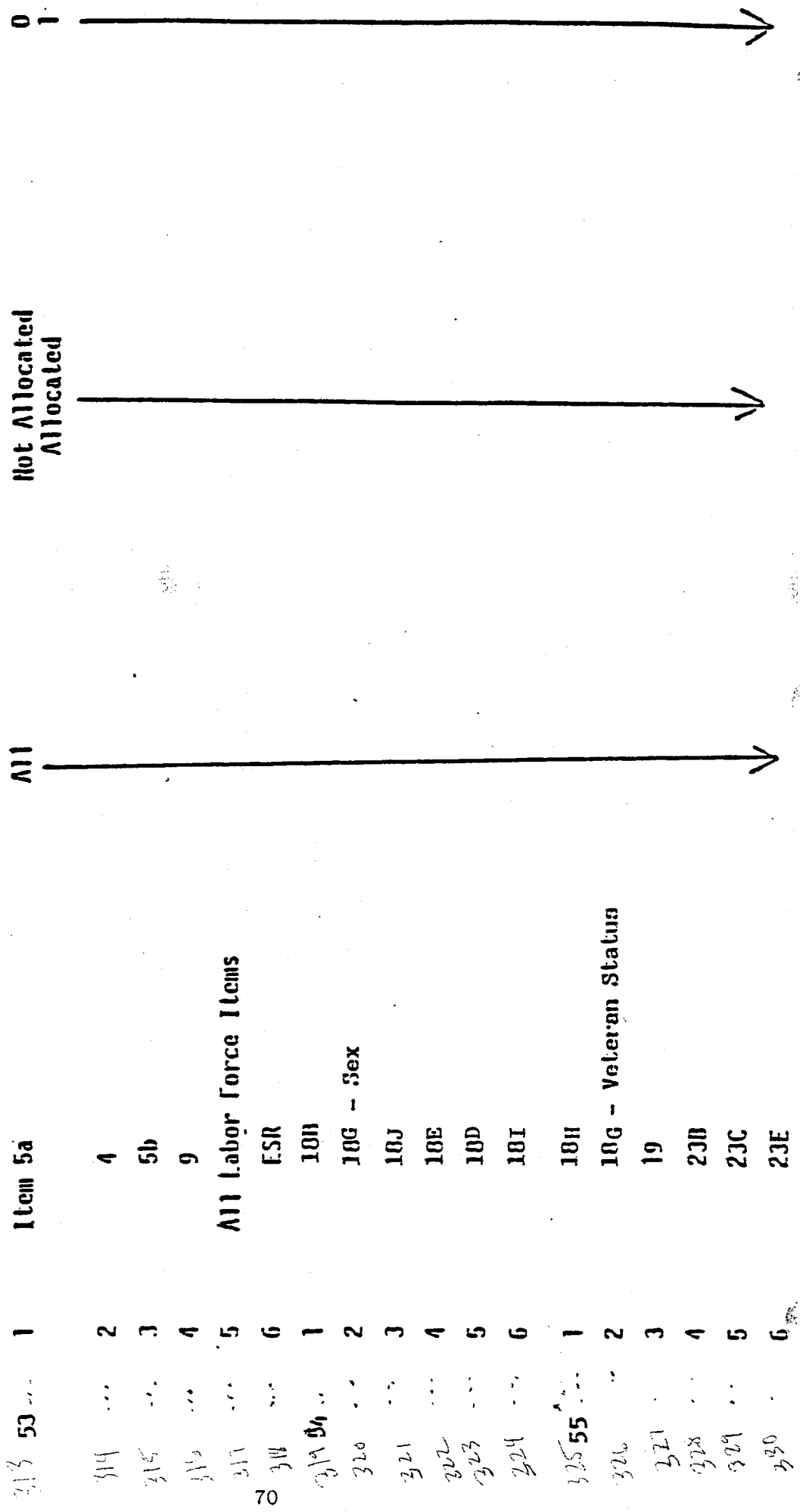
2/- For bc workers, computed 25A X 25C value appears. For weekly workers, edited 25D value n) this field is used for substituted value.

Word	Char.	Characteristic	Universe	Description	Yes/No
50	6	Item 25E - Member of union? (Edited)	49:1=1		
51	1	125A Allocation Flag	Eligible		125A not allocated 125A allocated
52	2	125B Allocation Flag	Eligible		125B not allocated 125B allocated
53	3	125C Allocation Flag	125B (Edited) = 1		125C not allocated 125C allocated
54	4	125D Allocation Flag	Eligible		125D not allocated 125D allocated
55	5	125 (Edited) Interviewer Check Item	ESR 1 or 2 and 23E = P, F, S, or L		(Not in universe) Month-in-sample 1, 2, 3, 5, 6, or 7 Month-in-sample 4 or 0
56	6	123F (Edited) Interviewer Check Item	ALL		(Not in Universe) Entry (or NA) in 120A and P, F, S, or L in 123E Entry (or NA) in 1210 and P, F, S, or L in 123E
57	1-3	1250 (Edited) - Usual weekly earnings	3/		Weekly Earnings 000-99
58	4	Item 25F - covered by union contract?	WD#8:1=1 and 50:6=2 Eligible		Yes No 125E Not Allocated 125E Allocated 125F Not Allocated 125F Allocated
59	5	Item 25E Allocation Flag			
60	6	Item 25F Allocation Flag	125E=No		

3/ Reported 250 value appears here for an hourly worker. IF 250 was not reported for an hourly worker, the 25A x 25C computed value appears here. This field is blank for weekly workers. This field is used for tabulation purposes for hourly workers.

Word Char. Characteristic Universe Description

Basic CPS Allocation Flags



313 53 ... 1
 314 ... 2
 315 ... 3
 316 ... 4
 317 ... 5
 318 ... 6
 319 54 ... 1
 320 ... 2
 321 ... 3
 322 ... 4
 323 ... 5
 324 ... 6
 325 55 ... 1
 326 ... 2
 327 ... 3
 328 ... 4
 329 ... 5
 330 ... 6

Word	Char.	Characteristic	Universe	Description
331	56	20A	All	Not Allocated
332	...	20C		
333	...	21A		
334	...	21B		
335	...	21C		
336	...	22C		
337	97	22D		
338	...	22F		
339	...	24A		
340	...	24B		
341	...	24C		
342	...	24D		
343	50	22A		
344	...	22E		
345	...	18A		
346	...	22B		
347	...	24E		
348	...	Geographic Identification		

Word Char. Characteristic Universe Description

Unedited Basic CPS Transcription Items 1/

349	59	1	Item 27	Tonuro (Unedited)	All	Owned or being bought	6
						rented	7
						No cash rent	0
						No entry	Blank

350	59	2	Item 28	Total Family Income (Unedited)	All	Under \$5,000	0
						\$ 5,000 - 7,499	1
						\$ 7,500 - 9,999	2
						\$ 10,000 - 12,499	3
						\$ 12,500 - 14,999	4
						\$ 15,000 - 17,499	5
						\$ 17,500 - 19,999	6
						\$ 20,000 - 24,999	7
						\$ 25,000 - 29,999	8
						\$ 30,000 - 34,999	9
						\$ 35,000 - 39,999	A
						\$ 40,000 - 49,999	B
						\$ 50,000 - 74,999	C
						\$ 75,000 and Over	D
						No Entry	Blank

351	3	Item 29A - Telephone in household (transcribe from control card item 30a)	Unedited 2/	All	Blank	1
					Yes	2
					No	
352	4	Item 29B - Telephone available (transcribe from control card item 30b)	Unedited 2/	I-29a=	Blank	1
					Yes	2
					No	
353	5	Item 29C - Telephone interview acceptable (Transcribe from control card item 30d)	Unedited 2/	I-29a=	Blank	1
					Yes	2
					No	
					I-29b=	
					Yes	
					No	

1/ Note Items 27-29Care included on each person's record.
 2/ July and November only. Padding all other months.

Word	Char.	Characteristic	Universe	Description
------	-------	----------------	----------	-------------

59 }
 thru }
 60 }
 6 }
 PADDING

61	1	Item 23F--Class of Worker (Edited)	Same as 123F	1 Private 2 Federal Government 3 State Government 4 Local Government 5 Self-Employed-Inc. 6 Self-Employed-Uninc. 7 Without Pay 8 Never worked
62	2	Item 23F--Class of Worker (Edited & recoded)	Same as above	1 Private (incl. S-E, Inc.) 2 Federal Government 3 State Government 4 Local Government 5 Self-Employed-Uninc. 6 Without Pay 7 Never worked
63	3	Nonagriculture Private Wage & Salary	All	0 Not in Universe 1 In Universe

-more-

ATTACHMENT A
UNIVERSE
VALUES

UNIVERSE	DESCRIPTION	VALUES
61	Class of Worker II (Detailed)	01 02 03 04
61	Same as I23E (Exc. Never worked)	05 06
62	Major Occupation	07 08 09 10 11
62	Same as I23E	01 02 03 04 05 06 07 08 09

- Agriculture
- Wage & Salary
- Private
- Government
- Self-Employed
- Unpaid Family
- Non-Agriculture
- Wage & Salary
- Private Industry
- Private Household
- Other Private
- Government
- Federal
- State
- Local
- Self-Employed
- Unpaid Family

- Managerial & Professional
- Executive, admin. & managerial
- Professional specialty
- Technical, sales & admin. support
- Technicians & related support
- Sales
- Administrative support, incl. clerical
- Service
- Private household
- Protective service
- Other service
- Precision production, craft and repair
- Operators, fabricators & laborers
- Machine operators, assemblers & inspectors
- Transportation & material moving
- Handlers, equip. cleaners, etc.
- Farming, forestry & fishing
- Armed Forces
- No previous experience -
- Never worked

more

366
61 6
367
62 3-2-1
367

ACRIBUIT A

CHARACTERISTIC

Major Industry

Sum of 123E
(Exc. hover
worked)

UNIVERSE

VALUES

VALUES	DESCRIPTION
01	Agriculture
02	Mining
03	Construction
04	Manufacturing
05	Durable goods
06	Non-durable goods
07	Transportation, communications & other public utilities
08	Transportation & public util.
09	Communications
10	Utilities & sanitary services
11	Wholesale & retail trade
12	Wholesale trade
13	Retail trade
14	Finance, insurance & real estate services
15	Private households
16	Miscellaneous services
17	Business & repair
18	Personal services, exc. priv. hb
19	Entertainment & recreations
20	Professional & related
21	Hospitals
22	Medical, exc. hospitals
23	Educational
	Social services
	Other professional
	Forestry & fisheries
	Public administration
	Armed Forces

-more-

CLIENT A (Interview Adults)

CHAR. CHARACTERISTIC

UNIVERSE

DESCRIPTION

VALUES

6-5 Detailed Occupation

Some no 12JE

Managerial & professional specialty	00
Executive, admin. & managerial	01
Officials & admin., public admin.	02
Other exec., admin. & managerial	03
Management related	04
Professional specialty	05
Engineers	06
Mathematical & computer scientists	07
Natural scientists	08
Health diagnosing	09
Health assessment & treatment	10
Teachers, college & university	11
Lawyers & judges	12
Other professional specialty	13
Technical, sales & administrative support	14
Technicians & related	15
Health technologists & tech.	16
Engin. & science technicians	17
Other technicians	18
Sales	19
Supervisors & proprietors	20
Sales reps., finance & business	21
Sales reps., commodities, except retail	22
Sales workers, retail & personal	23
Sales related	24
Administrative support, including clerical	25
Supervisors	26
Computer equip. operators	27
Secretaries, stenog., typists	28
Financial records processing	29
Mail & message distributor	30
Other admin., incl. clerical	31

310-371

WORD CHARACTERISTIC UNIVERSE DESCRIPTION VALUES

4-5 Detailed Occupation (cont'd)

370-371)	Service	27
	Private household	28
	Protective service	29
	Other service	30
	Food	31
	Health	32
	Cleaning & building	
	Personal	
	Precision production, craft & repair	33
	Mechanics & repairers	34
	Construction trades	
	Other precision prod., craft and repair	35
	Operators, fabricators & laborers	
	Machine oper., assemb. & inspac.	
	Machine oper. & tenders, except precision	36
	Fabricators, assemblers, inspectors & samplers	37
	Transportation & material moving	
	Motor vehicle operators	38
	Other transp. & material moving	39
	Handlers, equip. cleaners, helpers, laborers	
	Construction laborers	40
	Freight, stock & material handlers	41
	Other handlers, equip. cleaners, helpers & laborers	42
	Farming, forestry & fishing	
	Farm operators & managers	43
	Farm workers & related	44
	Forestry & fishing	45
	Armed Forces	46

CHARACTERISTIC

UNIVERSE

DESCRIPTION

CHAR.	UNIVERSE	DESCRIPTION	VALUES
312 62-6	Same as 123E	Never Worked	00
63-1 312		Detailed Industry	
		Goods-producing industries	01
		Agriculture	02
		Agricultural services	03
		Other agricultural	04
		Mining	
		Construction	
		Manufacturing	
		Durable Goods	
		Lumber & wood products, except furniture	05
		Furniture & fixtures	06
		Stone, clay, glass & concrete products	07
		Metal Industries	
		Primary metals	08
		Fabricated metals	09
		Hot specified metals	10
		Machinery, exc. electrical	11
		Electrical machinery, equip. & supplies	12
		Transportation equipment	
		Motor vehicles & equipment	13
		Other transportation equip.	
		Aircraft & parts	14
		Other trans. equip.	15
		Professional & photo equip.	16
		Toys, amusement & sporting goods	17
		Misc. & nec mfg. industries	18
		Nonurable goods	
		Food & kindred products	19
		Tobacco manufactures	20
		Textile mill products	21
		Apparel & other finished textile products	22
		Paper & allied products	23
		Printing, publishing & allied industries	24
		Chemicals & allied products	25
		Petroleum & coal products	26
		Rubber & misc. plastics	27
		Leather & leather products	28

-more-

RD CHAR. CHARACTERISTIC UNIVERSE DESCRIPTION VALUES

Detailed Industry (cont'd)

62	6	Same as 123E	Service-producing industries	29
63			Transportation, communication & other public utilities	30
64	1		Transportation	31
			Communications & other public utilities	32
65			Utilities & sanitary serv.,	33
			Wholesale & retail trade	34
66			Wholesale trade	35
			Retail trade	36
67			Finance, insurance & real estate	37
			Banking & other finance	38
68			Insurance & real estate services	39
			Private household	40
69			Misc. services	41
			Business & repair serv.	42
70			Business services	43
			Repair services	44
71			Personal services, exc. private household	45
			Entertainment & recreation	46
72			Professional & related serv.	47
			Hospitals	48
73			Health serv., exc. hospitals	49
			Educational services	50
74			Social services	51
			Other professional serv.	
75			Forestry & fisheries	
			Public administration	
76			Justice, public order & safety	
			Admin. of human resource programs	
77			National security & internal affairs	
			Other public administrated Armed Forces	

ATTACHMENT A

WORD CHAR.

CHARACTERISTIC

DESCRIPTION

UNIVERSE

Item 23B - INDUSTRY (1980 Edited)

3-digit Industry Code

Same as I23E
(Exc. Never
worked)

Item 23C - OCCUPATION (1980 Edited)

3-digit Occupation Code

Same as I23E
(Exc. Never
worked)

PADDING

64 2-6

380-389

The data appearing in words 65 through 80 are the result of the new demographic edit. These demographic characteristics are usually consistent with those produced by the basic CPS edit (found in word 16 character 4 through word 18 character, 3), but are not necessarily identical. The choice of which data set to use depends on the user's needs. Those desiring comparability with most of BLS's published data or attempting to duplicate the Phase II population controls should use the basic CPS edit characteristics since these characteristics are used in the basic CPS weighting. The new family edit does change sex for some individuals; hence, some population cells may not equal the controls tallied using the new data. Individuals interested in family data or replicating BLS's family data should use the characteristics produced by the new demographic edit.

ATTACHMENT A (Interview Adults)

WORD	CHAR.	CHARACTERISTIC	UNIVERSE	DESCRIPTION	VALUES
365-386	65	Item 18A - LINE NUMBER	All	Line Number	01-39
387	3	Item 18D - RELATIONSHIP TO REFERENCE PERSON	All	Reference Person with other relatives in household Reference Person with no other relatives in household Husband Wife Own child Parent Brother/Sister Other relative of reference person Non-relative of reference person - with own relatives in household Non-relative of reference person - no own relatives in household	1 2 3 4 5 6 7 8 9 A
388-389	4-5	Item 10C - PARENT'S LINE NUMBER	All	None Parent's line number	00 01-39
391-396	6	PADDING	All	Age in Years	14-90 1/2
393	3	Item 18E - MARITAL STATUS	All	Married-Civilian spouse present Married-Armed Forces spouse present Married-spouse absent (Exclude separated) Widowed Divorced Separated Never married	1 2 3 4 5 6 7
394-395	4-5	Item 18F - SPOUSE'S LINE NUMBER	All	None Spouse's line number	00 01-39
396	6	Item 18G - SEX	All	Male Female	1 2

1/ Age topcoded at 90 years

ATTACHMENT A (Interview Adults)

WORD	CHAR.	CHARACTERISTIC	UNIVERSE	DESCRIPTION	VALUES
397	67	Item 186 - VETERAN STATUS	SEX=MALE	Vietnam Era	1
				Korean War	2
				World War II	3
				World War I	4
				Other Service	5
				Nonveteran	6
		Item 18H - HIGHEST GRADE (of school)	ALL	None	00
		ATTENDED		E1	01
				E2	02
				E3	03
				E4	04
				E5	05
				E6	06
				E7	07
				E8	08
				H1	09
				H2	10
				H3	11
				H4	12
				C1	13
				C2	14
				C3	15
				C4	16
				C5	17
				C6+	18
		Item 18I - GRADE COMPLETED	ALL	Yes	1
				No	2
		Item 18J - RACE	ALL	White	1
				Black	2
				Other	3
		PADDING			

398-399

400
401

ATTACHMENT A (Interview Adults)

WORD CHAR. CHARACTERISTIC DRIVER DESCRIPTION VALUES

68 1-2 PADDING

409-905 3-4 FAMILY NUMBER ALL Not a Family Member 00
 Primary Family Member Only 01
 Subfamily Member 02-39

406 5 FAMILY TYPE ALL Primary Family 1
 Primary Individual 2
 Related Subfamily 3
 Unrelated Subfamily 4
 Secondary Individual 5

407 6 FAMILY RELATIONSHIP ALL Not a Family Member 0
 Reference Person 1
 Spouse 2
 Child 3
 Other Relative (Primary Family only) 4

69 1-4 PADDING

413 5 LINE NUMBER ALLOCATION FLAG ALL No Change 0
 Blank to Value 1
 Old Value to New Value 2

414 6 RELATIONSHIP TO REFERENCE PERSON ALLOCATION FLAG ALL No Change 0
 Blank to Value 1
 Old Value to New Value 2

CPS-1 DOCUMENT RECORD LAYOUT (Effective 07/85)

DATE 070185

ATTACHMENT A (Interview Adults)

VALUES

DESCRIPTION

UNIVERSE

CHARACTERISTIC

WORD	CHAR.	CHARACTERISTIC	UNIVERSE	DESCRIPTION	VALUES
70	1	PARENT'S LINE NUMBER ALLOCATION FLAG	ALL	No Change Value Allocated	0 2
415	2	AGE ALLOCATION FLAG	ALL	No Change Blank to Value Old Value to New Value	0 1 2
416	3	MARITAL STATUS ALLOCATION FLAG	ALL	No Change Blank to Value Old Value to New Value	0 1 2
417	4	SPOUSE'S LINE NUMBER ALLOCATION FLAG	ALL	No Change Value Allocated	0 2
418	5	SEX ALLOCATION FLAG	ALL	No Change Blank to Value Old Value to New Value	0 1 2
419	6	VETERAN STATUS ALLOCATION FLAG	ALL	No Change Blank to Value Old Value to New Value	0 1 2
420	1	HIGHEST GRADE ATTENDED ALLOCATION FLAG	ALL	No Change Blank to Value Old Value to New Value	0 1 2
421	2	GRADE COMPLETED ALLOCATION FLAG	ALL	No Change Blank to Value Old Value to New Value	0 1 2
422	3	RACE ALLOCATION FLAG	ALL	No Change Blank to Value Old Value to New Value	0 1 2
423	4	PADDING			
424					

425-426 thru 72

Total Weekly Family Earnings (for members 16+) HIS=0,0

Not in Primary Family Usual weekly family earnings

blank 0000-9999

PADDING ALL

ATTACHMENT A (Interview Adults)

WORD CHAR. CHARACTERISTIC UNIVERSE DESCRIPTION VALUES

WORD	CHAR.	CHARACTERISTIC	UNIVERSE	DESCRIPTION	VALUES
430	72	AGE OF PRIMARY FAMILY HOUSEHOLDER	ALL	Not a Family Member < 25 Years Old 25-44 Years Old 45-54 Years Old 55-64 Years Old 65+ Years Old	0 1 2 3 4 5
431-432	5-6	SIZE OF PRIMARY FAMILY	ALL	Not in Primary Family Number Individuals With HD 104:5=1,3	00 01-39
433	73	PRIMARY FAMILY EARNERS WAGE AND SALARY STATUS	ALL	Not in Primary Family No One Employed Some Employed - No Wage and Salary Workers With Wage and Salary Workers Husband, Wife or Reference Person Self-Employed With, Wage and Salary Workers Husband, Wife or Reference Person Not Self-Employed Other Household Member Self-Employed With Wage and Salary Workers Only	0 1 2 3 4 5
434	2	USUAL FULL-TIME/PART-TIME STATUS OF PRIMARY FAMILY EARNERS	HIS=4,6	Not in Primary Family No Earners All Earners Full Time Some Full Time, Some Part Time All Earners Part Time Not in Universe	0 1 2 3 4 5
435	3	LABOR FORCE AND EARNER STATUS (MALE) OF HUSBAND OF PRIMARY FAMILY OR MALE HOUSEHOLDER	ALL	Not in Primary Family/No Male Employed Earner Self Employed Without Pay Unemployed Not in Labor Force Armed Forces	0 1 2 3 4 5 6
436	4	LABOR FORCE AND EARNER STATUS (FEMALE) OF WIFE OF PRIMARY FAMILY OR FEMALE HOUSEHOLDER	ALL	Not in Primary Family/No Female Employed Earner Self Employed Without Pay Unemployed Not in Labor Force Armed Forces	0 1 2 3 4 5 6
437	5	NUMBER OF EARNERS IN PRIMARY FAMILY	ALL	Not in Primary Family No Earners 1-6 Earners 9+ Earners	0 0 1-6 9

WORD	CHAR.	CHARACTERISTIC	UNIVERSE	DESCRIPTION	VALUES
438	73	NUMBER OF UNEMPLOYED IN PRIMARY FAMILY	ALL	Not in Primary Family No Unemployed 1-8 Unemployed 9+ Unemployed	0 0 1-8 9
439	74	HOUSEHOLD TYPE	ALL	Husband/Wife Primary Family - (Neither Husband or Wife in Armed Forces) Husband/Wife Primary Family - (Husband and/or Wife in Armed Forces) Unmarried Civilian Male Primary Family Householder Unmarried Civilian Female Primary Family Householder Primary Family Household - Reference Person in Armed Forces and Unmarried Civilian Male Primary Individual Civilian Female Primary Individual Primary Individual Household - Reference Person in Armed Forces Group Quarters	1 2 3 4 5 6 7 8 9
440	2	NUMBER OF OWN CHILDREN LESS THAN 10 IN PRIMARY FAMILY	ALL	Not in Primary Family No Children 1 Child 2 Children 3 Children 4 Children 5 Children 6 Children 7 Children 8+ Children	0 1 2 3 4 5 6 7 8 9
441	3	PRESENCE OF OWN CHILDREN LESS THAN 10 IN PRIMARY FAMILY	ALL	Not in Primary Family No Children < 18 Years Old All Children 14-17 Years Old All Children 6-13 Years Old All Children 0-5 Years Old Children 14-17, and 6-13 (No Children 0-5) Children 14-17 and 0-5 (No Children 6-13) Children 6-13 and 0-5 (No Children 14-17) Children from all Age Groups	0 1 2 3 4 5 6 7 8 9
442	4	PRIMARY FAMILY RELATIONSHIP	ALL	Not in Primary Family Husband Wife Own Child Other Relative Unmarried Reference Person	0 1 2 3 4 5

WORD	CHAR.	CHARACTERISTIC	UNIVERSE	VALUES
74	5	Number of Earners in Primary Family 16+	All	0 0 1-8 9
443				
6		Number of Unemployed in Primary Family 16+	All	0 0 1-8 9
444				

WORD	CHAR.	CHARACTERISTIC	UNIVERSE	VALUES
75	1-6	FAMILY WEIGHT	All	0 0 1-8 9
445-450				
76	1-6	HOUSEHOLD SIZE	All	0 0 1-8 9
451-456				
77	1-2	NUMBER OF FAMILIES IN HOUSEHOLD	All	0 0 1-8 9
457-459				
78	3-4	PADDING	All	0 0 1-8 9
460-460				

WORD	CHAR.	CHARACTERISTIC	UNIVERSE	VALUES
79	1-6	FAMILY EARNINGS WEIGHT	HIS=4,0	0 0 1-8 9
461-468				
79	1-6	PRIMARY FAMILY EARNERS WAGE AND SALARY STATUS (16+)	All	0 0 1-8 9
469-477				

WORD	CHAR.	CHARACTERISTIC	UNIVERSE	VALUES
80	1	USUAL FULL-TIME/PART-TIME STATUS OF PRIMARY FAMILY EARNERS (16+)	HIS=4,0	0 0 1-8 9
475				
2		TOTAL WEEKLY FAMILY EARNINGS	HIS=4,0	0 0 1-8 9
476				

WORD	CHAR.	CHARACTERISTIC	UNIVERSE	VALUES
3-6		Not in Primary Family Usual Weekly Family Earnings	HIS=4,0	Blank 0000-9999
477-480				

***** END OF ATTACHMENT A *****

CURRENT POPULATION SURVEY
 CHILDREN'S INTERVIEW RECORD LAYOUT
 (BEGINNING July 1985)
 FOR STANDARD TAPE COPIES

Word	Char.	Characteristic	Universe	Interview	Description
1	1	Record type	All	Interview	5
	2	Month in Sample (Recorded from Month and Rotation)	All		1-8
	3	Blank			
	4-6	Household ID Number	All		
2	1-6				
3	1-3				
	4	Region (From M.S.T.)	All		1 Northeast 2 North Central 3 South 4 West

Note: Edited household items & recodes and Geographic Identifiers & recodes are transferred from the Principal Person's record to all children in the household.

-more-

Code	Char.	Characteristic	Universe	Description	
3	5	Division (From H.S.T.)	All	New England Middle Atlantic East North Central West North Central South Atlantic East South Central West South Central Mountain Pacific	1 } Region 1 2 } 3 } 4 } 5 } 6 } 7 } 8 } 9 }
5-6		State (1st digit of State Code is Division Code) (From H.S.T.)	All	<u>New England Division</u> Maine New Hampshire Vermont Massachusetts Rhode Island Connecticut	11 12 13 14 15 16
				<u>Middle Atlantic Division</u> New York New Jersey Pennsylvania	21 22 23

-more-

Hord	Chnr.	Characteristic	Universe	Description	
3	5-6	State (1st digit of State Code in Division Code) (From H.S.T.) (Con't)	All	<u>East North Central Division</u>	31 32 33 34 35
				Ohio Indiana Illinois Michigan Wisconsin	
				<u>West North Central Division</u>	41 42 43 44 45 46 47
				Minnesota Iowa Missouri North Dakota South Dakota Nebraska Kansas	
				<u>South Atlantic Division</u>	51 52 53 54 55 56 57 58 59
				Delaware Maryland District of Columbia Virginia West Virginia North Carolina South Carolina Georgia Florida	
				<u>East South Central Division</u>	61 62 63 64
				Kentucky Tennessee Alabama Mississippi	

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Word	Char.	Characteristic	Universe	Description
3	5-6	State (1st digit of State Code in Division Code) (From H.S.T.) (Con't)	All	<p><u>West South Central Division</u></p> <p>Arkansas 71 Louisiana 72 Oklahoma 73 Texas 74</p> <p><u>Mountain Division</u></p> <p>Montana 01 Idaho 02 Wyoming 03 Colorado 04 New Mexico 05 Arizona 06 Utah 07 Nevada 08</p> <p><u>Pacific Division</u></p> <p>Washington 91 Oregon 92 California 93 Alaska 94 Hawaii 95</p>

-more-

Word	Char.	Character Code	Universe	Description	1980 Ranking
h	1-2	State Rankings (From N.S.T.)	All	California (CA)	01
				New York (NY)	02
				Texas (TX)	03
				Pennsylvania (PA)	04
				Illinois (IL)	05
				Ohio (OH)	06
				Florida (FL)	07
				Michigan (MI)	08
				New Jersey (NJ)	09
				North Carolina (NC)	10
				Massachusetts (MA)	11
				Indiana (IN)	12
				Georgia (GA)	13
				Virginia (VA)	14
				Missouri (MO)	15
				Wisconsin (WI)	16
				Tennessee (TN)	17
				Maryland (MD)	18
				Louisiana (LA)	19
				Washington (WA)	20
				Minnesota (MN)	21
				Alabama (AL)	22
				Kentucky (KY)	23
				South Carolina (SC)	24
				Connecticut (CT)	25
				Oklahoma (OK)	26
				Iowa (IA)	27
				Colorado (CO)	28
				Arizona (AZ)	29
				Oregon (OR)	30

Word	Char.	Characteristic	Unlabeled	Description	1980 Ranking
1	1-2	State Rankings (Cont.) (From U.S.T.)	All.	Mississippi (MS)	31
				Kansas (KS)	32
				Arkansas (AR)	33
				West Virginia (WV)	34
				Nebraska (NE)	35
				Utah (UT)	36
				New Mexico (NM)	37
				Maine (ME)	38
				Hawaii (HI)	39
				Rhode Island (RI)	40
				Idaho (ID)	41
				New Hampshire (NH)	42
				Nevada (NV)	43
				Montana (MT)	44
				South Dakota (SD)	45
				North Dakota (ND)	46
				Dist. of Columbia (DC)	47
				Delaware (DE)	48
				Vermont (VT)	49
				Wyoming	50
				Alaska	51

The next page is Page 8

Word	Char.	Characteristic	Universe	Description
4	3-4	PADDING		
5		<u>Item 1</u> - INTERVIEWER CHECK ITEM	ALL	Blank or Impossible Only CPS-1 for household First CPS-1 of cont. household Second CPS-1 of cont. household Third, fourth, etc. CPS-1
6		Blank		

Word	Char.	Characteristic	Universe	Description
5	1-3	Blank		
	4-6	Item 10 - INTERVIEWER CODE	All	Blank or Impossible in any digit
				-NA, or 100-199 (Excluding 1--)
6	1	Item 12 - LINE NO. H'HD RESP.	All	Blank or Impossible
	2	Item 13 - TYPE INTERVIEW	All	Non H'hd Resp.
				Blank Personal Tel. - Regular Tel. - Callback ICR Filled
	3-4	Item 11 - DATE COMPLETED	All	Day of Month
	5-6	PADDING		
7	1-5	PADDING		
	6	BLANK		

Word	Char.	Characteristic	Universe	Description
0	1	Land Usage (Recode) (Filled using Urban/Rural Code from H.B.T. and CPS-1 Document Items 5a. and 5b-new in Feb. 76) Recode reflects "old" Farm Definition. (Starting April 1984 - Reflects new farm definitions).	ALL	Nonfarm Farm 1 2, 3
2-3		Item 4 - TYPE OF LIVING QUARTERS (Recode)	ALL	<p><u>Housing Unit</u></p> <p>01 House, apt., flat</p> <p>02 HU in nontransient hotel, etc.</p> <p>03 HU, permanent, in trans. hotel, motel, etc.</p> <p>04 HU in rooming house</p> <p>05 Mobile home or Trailer</p> <p>06 HU not specified above</p> <p><u>Other Unit</u></p> <p>07 Qtrs. not HU in rooming or boarding house</p> <p>08 Unit not permanent in trans. hotel, motel, etc.</p> <p>09 Tent or trailer site</p> <p>10 Other not HU</p>
4		New Farm Definition (Recode) Effective February 1976. (Filled using Urban/Rural Code from H.B.T. and CPS-1 Document Items 5a. and 5b.)	ALL	Nonfarm Farm 1 3,3

Word	Char.	Characteristic	Universe	Description
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0	5	Blank		
6		<u>Item 9</u> - HOUSEHOLD NUMBER	ALL	1-8

9	1	} PADDING
16	3	

THROUGH

-more-

Id	Char.	Characteristic	Universe	Description
16	4-5	Item 10A - LINE NUMBER	ALL	00-39
6	6	Item 10D - RELATIONSHIP TO HEAD OF HOUSEHOLD (Final Edited Recoded - using Relationship to Reference Person (See word 18, char. 6 for expanded version)	Child (0-13 Years)	Other relative of head (includes own child/brother sister/other relative) 4 Non-relative-own relatives in household 5 Non-relative-no own relatives in household 6
17	1-2	Item 10D - AGE	Child (0-13 Years)	00-13
3	3	PADDING		
4	4	Item 10J - RACE (Recode)	ALL	White 1 Black 2 Other 3
5	5	Item 10G - SEX	ALL	Male 1 Female 2
6	6	PADDING		
18	1-3	PADDING		
4	4	Program Signal	ALL	1 Child in Household 1 2 or more children in household 2
5	5	Blank		
6	6	Item 18B - Relationship to Head of household-expanded - (Edited using Head's and child's Relationship to Reference Person)	Child (0-13 years old)	Own Child 1 Brother/Sister 2 Other relative 3 Non-relative - own relatives in household 4 Non-relatives-no own relatives in household 5

Word	Character	Characteristics	Universe	Description
19	1-2	PADDING		
	3	FLAG	Children 0-13 years --	(NOTE, '0' or '1' in this position on Adult records as household indicator on non-interview records or principal person indicator on interview records.) 2 (plugged)
20	4-6	Document Count (Within Work Unit)	ALL	001-999
	1-3	Work Unit Number (From Breaker Sheet)	ALL	001 or ΔΔ1-99 9XX Assigned
	4-5	Month	ALL	01-12
	6	Year - Last Digit	ALL	0-9
21 & 22	ALL	Final Weight	ALL	Two Understood Decimal Places. (Weight justified, space fill -01)
23	1-6	PADDING		

Word	Char.	Characteristic	Universe	Description
23	1-6	} PADDING		
and				
24	1-3			
	4-6	JRCERR	All	No. of errors charged to Enumerator 000-999
25	1-3	CMSA/MSA Rank Code (Beginning October 1985)	All	Not identifiable Nonmetropolitan Identified 1/ 000 000 001-252
	4-5	PMSA Rank Code (Beginning October 1985)	All	Not identifiable Not in a PMSA Identified 1/ 00 00 01-12
	6	Individual Central City Code (Beginning October 1985)	All	Not identifiable Identified 1/ 0 1-4
26	1	Metropolitan Status Code	All	Metropolitan Nonmetropolitan Not identifiable 1 2 3
	2	Central City Status Code (Beginning October 1985)	All	Central City Balance of MSA/PMSA Nonmetropolitan Not identifiable 1 2 3 4
	3	Blank		
	4	MSA/CMSA Size (From M.S.T.-reflecting 1983 Population Estimates) (Beginning October 1985)		Not identifiable 100,000-249,999 250,000-499,999 500,000-999,999 1,000,000-2,499,999 2,500,000-4,999,999 5,000,000-9,999,999 10,000,000+ 0 2 3 4 5 6 7 8

1/ See Appendix #1

Word	Char.	Characteristic	Universe	Description
26	5	Item 181 - ETHNICITY (Recode)	ALL	1 Mexican American 2 Chicano 3 Mexican (Mexicano) 4 Puerto Rican 5 Cuban 6 Central or South American 7 Other Spanish 8 All other 9 Do Not Know A NA
	6	PADDING		
27	1-2	PADDING		
27	3	BLANK		
	4	PADDING		
	5			
	6	BLANK		
28	1	PADDING		
	Through			
58	6			

Word Char. Character(s)ic Universe Description

Unedited Basic CPS Transcription Items 1/

Item	Char.	Description	Universe	Owned or being bought	6
59	1	Item 27	Tomuro (Unedited)	Rented	7
				No cash rent	0
				No entry	Blank
59	2	Item 28	Total Family Income (Unedited)	Under \$5,000	0
				\$5,000 - 7,499	1
				\$7,500 - 9,999	2
				\$10,000 - 12,499	3
				\$12,500 - 14,999	4
				\$15,000 - 17,499	5
				\$17,500 - 19,999	6
				\$20,000 - 24,999	7
				\$25,000 - 29,999	8
				\$30,000 - 34,999	9
				\$35,000 - 39,999	A
				\$40,000 - 49,999	B
				\$50,000 - 74,999	C
				\$75,000 and Over	D
				No Entry	Blank
3		Item 29A - Telephone in household (transcribe from control card item 30a)	All	Blank	-
				Yes	1
				No	2
4		Item 29B - Telephone available (transcribe from control card item 30b)	I-29a= No	Blank	-
				Yes	1
				No	2
5		Item 29C - Telephone interview acceptable (Transcribe from control card item 30d)	I-29a= Yes or I-29b= Yes	Blank	-
				Yes	1
				No	2
64	thru	PADDING			

1/ Note Items 27-29Care included on each person's record.

2/ July and November only. Padding all other months.

ATTACHMENT E (Interview Children)

WORD CHAR. CHARACTERISTIC UNIVERSE DESCRIPTION VALUES

65	1-2	Item 18A - LINE NUMBER	ALL	Line Number	01-39
	3	Item 100 - RELATIONSHIP TO REFERENCE PERSON	ALL		
				Own child	5
				Brother/Sister	7
				Other relative of reference person	8
				Non-relative of reference person - with own relatives in household	9
				Non-relative of reference person - no own relatives in household	A

66	1-2	Item 100 - AGE	ALL	AGE in Years	00-13
	4-5	Item 18C - PARENT'S LINE NUMBER	ALL	None	00
	6	PADDING		Parent's line number	01-39
	3-5	PADDING			
	6	Item 106 - SEX	ALL	Male	1
				Female	2

67	1-4	Item 18J - RACE	ALL	White <th>1</th>	1
	5	PADDING		Black	2
	6	PADDING		Other	3

ATTACHMENT E (Interview Children)

WORD CHAR. CHARACTERISTIC UNIVERSE DESCRIPTION VALUES

68 1-2 PADDING

3-4 FAMILY NUMBER ALL Not a Family Member 00
 Primary Family Member Only 01
 Subfamily Member 02-39

5 FAMILY TYPE ALL Primary Family 1
 Primary Individual 2
 Related Subfamily 3
 Unrelated Subfamily 4
 Secondary Individual 5

6 FAMILY RELATIONSHIP ALL Not a Family Member 0
 Reference Person 1
 Spouse 2
 Child 3
 Other Relative(Primary Family only) 4

69 1-4 PADDING

5 LINE NUMBER ALLOCATION FLAG ALL No Change 0
 Blank to Value 1
 Old Value to New Value 2

6 RELATIONSHIP TO REFERENCE PERSON ALLOCATION FLAG ALL No Change 0
 Blank to Value 1
 Old Value to New Value 2

70 1 PARENT'S LINE NUMBER ALLOCATION FLAG ALL No Change 0
 Value Allocated 2

2 AGE ALLOCATION FLAG ALL No Change 0
 Blank to Value 1
 Old Value to New Value 2

3-4 PADDING

5 SEX ALLOCATION FLAG ALL No Change 0
 Blank to Value 1
 Old Value to New Value 2

6 PADDING

71 1-2 PADDING

WORD	CHAR.	CHARACTERISTIC	UNIVERSE	DESCRIPTION	VALUES
71	3	RACE ALLOCATION FLAG	ALL	No Change Blank to Value Old Value to New Value	0 1 2
72	5 thru 2	Total Weekly Family Earnings (for members 16+)	MIS=4,0	Not in Primary Family Usual weekly family earnings	blank 0000-9999
	3	PADDING	ALL		
	4	AGE OF PRIMARY FAMILY HOUSEHOLDER	ALL	Not a Family Member < 25 Years Old 25-44 Years Old 45-54 Years Old 55-64 Years Old 65+ Years Old	0 1 2 3 4 5
	5-6	SIZE OF PRIMARY FAMILY	ALL	Not in Primary Family Number Individuals with HD 104:5=1,3	00 01-39
73	1	PRIMARY FAMILY EARNERS WAGE AND SALARY STATUS	ALL	Not in Primary Family No One Employed Some Employed - No Wage and Salary Workers With Wage and Salary Workers Husband, Wife or Reference Person Self-Employed With Wage and Salary Workers Husband, Wife or Reference Person Not Self-Employed Other Household Member Self-Employed With Wage and Salary Workers Only	0 1 2 3 4 5
	2	USUAL FULL-TIME/PART-TIME STATUS OF PRIMARY FAMILY EARNERS	MIS=4,0	Not in Primary Family No Earners All Earners Full Time Some Full Time, Some Part Time All Earners Part Time Not In Universe	0 1 2 3 4 5
	3	LABOR FORCE AND EARNER STATUS (MALE) OF HUSBAND OF PRIMARY FAMILY OR MALE HOUSEHOLDER	ALL	Not in Primary Family/No Male Employed Earner Self Employed Without Pay Unemployed Not in Labor Force Armed Forces	0 1 2 3 4 5 6
	4	LABOR FORCE AND EARNER STATUS (FEMALE) OF WIFE OF PRIMARY FAMILY OR FEMALE HOUSEHOLDER	ALL	Not in Primary Family/No Female Employed Earner Self Employed Without Pay Unemployed Not in Labor Force Armed Forces	0 1 2 3 4 5 6
	5	NUMBER OF EARNERS IN PRIMARY FAMILY	ALL	Not in Primary Family No Earners 1-6 Earners 9+ Earners	0 0 1-6 9

WORD	CHAR.	CHARACTERISTIC	UNIVERSE	DESCRIPTION	VALUES
73	6	NUMBER OF UNEMPLOYED IN PRIMARY FAMILY	ALL	Not in Primary Family No Unemployed 1-6 Unemployed 9+ Unemployed	0 0 1-6 9
74	1	HOUSEHOLD TYPE	ALL	Husband/Wife Primary Family - (Neither Husband or Wife in Armed Forces) Husband/Wife Primary Family - (Husband and/or Wife in Armed Forces) Unmarried Civilian Male Primary Family Householder Unmarried Civilian Female Primary Family Householder Primary Family Household - and Unmarried Civilian Male Primary Individual Civilian Female Primary Individual Primary Individual Household - Reference Person in Armed Forces Group Quarters	1 2 3 4 5 6 7 8 9
2		NUMBER OF OWN CHILDREN LESS THAN 16 IN PRIMARY FAMILY	ALL	Not in Primary Family No Children 1 Child 2 Children 3 Children 4 Children 5 Children 6 Children 7 Children 8+ Children	0 1 2 3 4 5 6 7 8 9
3		PRESENCE OF OWN CHILDREN LESS THAN 16 IN PRIMARY FAMILY	ALL	Not in Primary Family No Children < 16 Years Old All Children 14-17 Years Old All Children 6-13 Years Old All Children 0-5 Years Old Children 14-17 and 6-13 (No Children 0-5) Children 14-17 and 0-5 (No Children 6-13) Children 6-13 and 0-5 (No Children 14-17) Children from all Age Groups	0 1 2 3 4 5 6 7 8 9
4		PRIMARY FAMILY RELATIONSHIP	ALL	Not in Primary Family Husband Wife Own Child Other Relative Unmarried Reference Person	0 1 2 3 4 5

ATTACHMENT E (Interview Children)

DATE 070185

WORD CHAR. CHARACTERISTIC

UNIVERSE

VALUES

74	5	Number of Earners in Primary Family 16+	ALL	Not in Primary Family No earners 1-6 earners 9+ earners	0 0 1-6 9
6		Number of Unemployed in Primary Family 16+	ALL	Not in Primary Family No unemployed 1-6 unemployed 9+ unemployed	0 0 1-6 9

75 and 76 1-6 FAMILY HEIGHT Two Implied Decimal Places, Right Justified, Space Filled (01)

77 1-2 HOUSEHOLD SIZE ALL Number of Persons in Household 01-39

3-4 NUMBER OF FAMILIES IN HOUSEHOLD ALL Number of Families 00-39

78 and 79 1-6 FAMILY EARNINGS HEIGHT HIS=4,6 Two Implied Decimal Places, Right Justified, Space Filled (01)

80 1 PRIMARY FAMILY EARNERS WAGE AND SALARY STATUS (16+) ALL

Not in Primary Family 0
No One Employed 1
Some Employed - 2
No Wage and Salary Workers 3
With Wage and Salary Workers 4
Husband, Wife or Reference Person
Self-Employed
With Wage and Salary Workers 4
Husband, Wife or Reference Person
Not Self-Employed
Other Household Member Self-Employed
With Wage and Salary Workers Only 5

2 USUAL FULL-TIME/PART-TIME STATUS OF PRIMARY FAMILY EARNERS (16+) HIS=4,6

Not in Primary Family 0
No Earners 1
All Earners Full Time 2
Some Full Time, Some Part Time 3
All Earners Part Time 4
Not in Universe 5

3-6 TOTAL WEEKLY FAMILY EARNINGS HIS=4,6 Not in Primary Family Usual Weekly Family Earnings Blank 0000-9999

***** END OF ATTACHMENT E *****

**CURRENT POPULATION SURVEY
NONINTERVIEW TYPE A RECORD LAYOUT
FOR STANDARD TAPE COPIES
(BEGINNING JULY 1985)**

Word	Char.	Characteristic	Universe	Description
1	1	Record Type	All	Noninterview Type A
2	2	Month in Sample (Recorded from Month and Rotation)	All	1-8
3	3	Blank		
4-6		Household ID Number	All	
2	1-6			
3	1-3			
4	4	Region (From M.S.T.)	All	Northeast North Central South West 1 } Region 1 2 } 3 } Region 2 4 } 5 } Region 3 6 } 7 } 8 } Region 4 9 }
5	5	Division (From M.S.T.)	All	New England Middle Atlantic East North Central West North Central South Atlantic East South Central West South Central Mountain Pacific

Word	Char.	Characteristic	Universe	Description
3	5-6	State (1st digit of State Code is Division Code) (From M.S.T.)	All	<u>New England Division</u> Maine 11 New Hampshire 12 Vermont 13 Massachusetts 14 Rhode Island 15 Connecticut 16 <u>Middle Atlantic Division</u> New York 21 New Jersey 22 Pennsylvania 23 <u>East North Central Division</u> Ohio 31 Indiana 32 Illinois 33 Michigan 34 Wisconsin 35 <u>West North Central Division</u> Minnesota 41 Iowa 42 Missouri 43 North Dakota 44 South Dakota 45 Nebraska 46 Kansas 47

-more-

Word	Char.	Characteristic	Universe	Description
3	5-6	State (1st digit of State Code is Division Code) (From H.S.T.) (Con't)	All	
				<u>South Atlantic Division</u>
				Delaware 51
				Maryland 52
				District of Columbia 53
				Virginia 54
				West Virginia 55
				North Carolina 56
				South Carolina 57
				Georgia 58
				Florida 59
				<u>East South Central Division</u>
				Kentucky 61
				Tennessee 62
				Alabama 63
				Mississippi 64
				<u>West South Central Division</u>
				Arkansas 71
				Louisiana 72
				Oklahoma 73
				Texas 74
				<u>Mountain Division</u>
				Montana 81
				Idaho 82
				Wyoming 83
				Colorado 84
				New Mexico 85
				Arizona 86
				Utah 87
				Nevada 88

-more-

Word	Char.	Characteristic	Universe	Description																																																																														
3	5-6	State (1st digit of State Code is Division Code) (From M.S.T.) (Con't)	All	Pacific Division Washington Oregon California Alaska Hawaii																																																																														
4	1-2	State Rankings (From M.S.T.)	All	<table border="0"> <tr> <td>California</td> <td>01</td> <td>1970 Ranking</td> </tr> <tr> <td>New York</td> <td>02</td> <td></td> </tr> <tr> <td>Pennsylvania</td> <td>03</td> <td></td> </tr> <tr> <td>Texas</td> <td>04</td> <td></td> </tr> <tr> <td>Illinois</td> <td>05</td> <td></td> </tr> <tr> <td>Ohio</td> <td>06</td> <td></td> </tr> <tr> <td>Michigan</td> <td>07</td> <td></td> </tr> <tr> <td>New Jersey</td> <td>08</td> <td></td> </tr> <tr> <td>Florida</td> <td>09</td> <td></td> </tr> <tr> <td>Massachusetts</td> <td>10</td> <td></td> </tr> <tr> <td>Indiana</td> <td>11</td> <td></td> </tr> <tr> <td>North Carolina</td> <td>12</td> <td></td> </tr> <tr> <td>Missouri</td> <td>13</td> <td></td> </tr> <tr> <td>Virginia</td> <td>14</td> <td></td> </tr> <tr> <td>Georgia</td> <td>15</td> <td></td> </tr> <tr> <td>Wisconsin</td> <td>16</td> <td></td> </tr> <tr> <td>Tennessee</td> <td>17</td> <td></td> </tr> <tr> <td>Maryland</td> <td>18</td> <td></td> </tr> <tr> <td>Minnesota</td> <td>19</td> <td></td> </tr> <tr> <td>Louisiana</td> <td>20</td> <td></td> </tr> <tr> <td>Alabama</td> <td>21</td> <td></td> </tr> <tr> <td>Washington</td> <td>22</td> <td></td> </tr> <tr> <td>Kentucky</td> <td>23</td> <td></td> </tr> <tr> <td>Connecticut</td> <td>24</td> <td></td> </tr> <tr> <td>Iowa</td> <td>25</td> <td></td> </tr> <tr> <td>South Carolina</td> <td>26</td> <td></td> </tr> </table>	California	01	1970 Ranking	New York	02		Pennsylvania	03		Texas	04		Illinois	05		Ohio	06		Michigan	07		New Jersey	08		Florida	09		Massachusetts	10		Indiana	11		North Carolina	12		Missouri	13		Virginia	14		Georgia	15		Wisconsin	16		Tennessee	17		Maryland	18		Minnesota	19		Louisiana	20		Alabama	21		Washington	22		Kentucky	23		Connecticut	24		Iowa	25		South Carolina	26	
California	01	1970 Ranking																																																																																
New York	02																																																																																	
Pennsylvania	03																																																																																	
Texas	04																																																																																	
Illinois	05																																																																																	
Ohio	06																																																																																	
Michigan	07																																																																																	
New Jersey	08																																																																																	
Florida	09																																																																																	
Massachusetts	10																																																																																	
Indiana	11																																																																																	
North Carolina	12																																																																																	
Missouri	13																																																																																	
Virginia	14																																																																																	
Georgia	15																																																																																	
Wisconsin	16																																																																																	
Tennessee	17																																																																																	
Maryland	18																																																																																	
Minnesota	19																																																																																	
Louisiana	20																																																																																	
Alabama	21																																																																																	
Washington	22																																																																																	
Kentucky	23																																																																																	
Connecticut	24																																																																																	
Iowa	25																																																																																	
South Carolina	26																																																																																	

-more-

Word	Chr.	Characteristic	Universe	Description
4	1-2	State Rankings (Con't) (From M.S.T.)	All	Oklahoma Kansas Mississippi Colorado Oregon Arkansas Arizona West Virginia Nebraska Utah New Mexico Maine Rhode Island Hawaii District of Columbia New Hampshire Idaho Montana South Dakota North Dakota Delaware Nevada Vermont Wyoming Alaska
				27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51
4	3-4	PADDING		

The next page is 7

-more-

Word	Char.	Characteristic	Universe	Description
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5		Item 1 - INTERVIEWER CHECK ITEM	A11	Blank or Impossible Only CPS-1 for household First CPS-1 of cont. household Second CPS-1 of cont. household Third, fourth, etc. CPS-1	- 1 2 3 4
6		Blank			
5	1-3	Blank			
4-6		Item 10 - INTERVIEWER CODE	A11	Blank or Impossible in any digit	-NA, or A00-M99 (Excluding I--)
6	1	Item 12 - LINE NO. H'HLD RESP.	A11	Blank or Impossible	- 1-6 7
2		Item 13 - TYPE INTERVIEW	A11	Non H'hld Resp. Noninterview	1

-more-

Word Char. Characteristic Universe Description

-- or
10-29

Day of Month

All

Item 11 - DATE COMPLETED

5 }
6 }

PADDING

White 1
Black 2
Other 3

All

Item 14 - RACE OF HEAD

No one home 1
Temporarily absent 2
Refused 3
Other - Occ. 4

All

Item 14 - REASON

PADDING

Blank

1
2, 3

Nonfarm
Farm

All

Land Usage (Recode) (Edited using Urban/Rural Code from M.S.T. and CPS-1 Document Items 5a. and 5b-new in Feb. 76) Recode reflects "old" Farm Definition. (Starting April 1984, reflects new farm definitions)

Housing Unit
House, apt., flat 01
HU in nontransient hotel, etc. 02
HU, permanent, in trans. hotel, motel, etc. 03
HU in rooming house 04
Mobile home or Trailer 05
HU not specified above 06

All

Item 4 - TYPE OF LIVING QUARTERS (Recode)

Word	Char.	Characteristic	Universe	Description
8	2-3	Item 4 - TYPE OF LIVING QUARTERS (Recode) (Con't)	All	Other Unit Qtrs. not IU in rooming or boarding house 07 Unit not permanent in trans. hotel, motel, etc. 08 Tent or trailer site 09 Other not IU 10
4		"New" Farm Definition (Recode) Effective February 1976. (Edited using Urban/Rural Code from M.S.T. and CPS-1 Document Items 5a. and 5b.)	All	Nonfarm 1 Farm 2, 3
5		Blank		
6		Item 9 - HOUSEHOLD NUMBER (Unedited)	All	Blank 1-8
9	1 through 19	PADDING		1-8
	2			
3		Household Indicator	All	1
4-6		Document Count (Within Work Unit)	All	001-999
20	1-3	Work Unit Number (From Breaker Sheet)	All	If Breaker was missing 001 or ΔΔ1-999 9XX Assigned

Attachment D

Word	Char.	Characteristic	Universe	Description
20	4-5	Month	All	01-12
	6	Year - Last Digit	All	0-9
21	1-6	F111	All	(Binary 01)
22	1-5			
	6	Final Weight	All	"Regular Type A" Sub Sample 1 2-4

Word	Char.	Characteristic	Universe	Description
23 and 24	1-6 1-3	PADDING		
	4-6	JRCERR	All	No. of errors charged to Enumerator 000-999
25	1-3	CMSA/MSA Rank Code (Beginning October 1985)	All	Not identifiable Nonmetropolitan Identified 1/ 000 000 001-252
	4-5	PMSA Rank Code (Beginning October 1985)	All	Not identifiable Not in a PMSA Identified 1/ 00 00 01-12
	6	Individual Central City Code (Beginning October 1985)	All	Not identifiable Identified 1/ 0 1-4
26	1	Metropolitan Status Code	All	Metropolitan 1 Nonmetropolitan 2 Not identifiable 3
	2	Central City Status Code (Beginning October 1985)	All	Central City 1 Balance of MSA/PMSA 2 Nonmetropolitan 3 Not identifiable 4
	3	Blank		
	4	MSA/CMSA Size (From M.S.T.-reflecting 1983 Population Estimates) (Beginning October 1985)		Not identifiable 0 100,000-249,999 2 250,000-499,999 3 500,000-999,999 4 1,000,000-2,499,999 5 2,500,000-4,999,999 6 5,000,000-9,999,999 7 10,000,000+ 8

1/ See Appendix #1

Word	Char.	Characteristic	Universe	Description
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26 5-6 PADDING

27 1-3 Blank

4 RACE (Recode)

All

White
Other

1
2

5-6 Blank

28 1 }
through
52 6 }

Blank

Attachment II

Word	Char.	Characteristic	Universe	Description
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BASIC CPS ALLOCATION FLAGS

53	1	Item 5a	All	Not Allocated Allocated
	2	4		
	3	5b		
	4	9		
53 Thru	5	Padding		
58	5			
58	6	Geographic Identification		
59 Thru	1	Padding		
80	6			

END OF BASIC CPS RECORD

**CURRENT POPULATION SURVEY
NONINTERVIEW TYPE B-C RECORD LAYOUT
FOR STANDARD TAPE COPIES
(Beginning July 1985)**

Word	Char.	Characteristic	Universe	Description
1	1	Record Type	All	Noninterview Type B or C
2	2	Month in Sample (Recorded from Month and Rotation)	All	1-8
3	3	Blank		
4	4-6	Household ID Number	All	Northeast North Central South West
2	1-6			
3	1-3			
4	4	Region (From M.S.T.)	All	1 Northeast 2 North Central 3 South 4 West
5	5	Division (From M.S.T.)	All	1) New England 2) Middle Atlantic 3) East North Central 4) West North Central 5) South Atlantic 6) East South Central 7) West South Central 8) Mountain 9) Pacific

Word	Char.	Characteristic	Universe	Description
3	5-6	State (1st digit of State Code 1s Division Code) (From M.S.T.)	All	
				<u>New England Division</u>
				Maine 11
				New Hampshire 12
				Vermont 13
				Massachusetts 14
				Rhode Island 15
				Connecticut 16
				<u>Middle Atlantic Division</u>
				New York 21
				New Jersey 22
				Pennsylvania 23
				<u>East North Central Division</u>
				Ohio 31
				Indiana 32
				Illinois 33
				Michigan 34
				Wisconsin 35
				<u>West North Central Division</u>
				Minnesota 41
				Iowa 42
				Missouri 43
				North Dakota 44
				South Dakota 45
				Nebraska 46
				Kansas 47

-more-

Word	Char.	Characteristic	Universe	Description
3	5-6	State (1st digit of State Code 1s Division Code) (From U.S.T.) (Con't)	All	
				<u>South Atlantic Division</u>
				Delaware 51
				Maryland 52
				District of Columbia 53
				Virginia 54
				West Virginia 55
				North Carolina 56
				South Carolina 57
				Georgia 58
				Florida 59
				<u>East South Central Division</u>
				Kentucky 61
				Tennessee 62
				Alabama 63
				Mississippi 64
				<u>West South Central Division</u>
				Arkansas 71
				Louisiana 72
				Oklahoma 73
				Texas 74
				<u>Mountain Division</u>
				Montana 81
				Idaho 82
				Wyoming 83
				Colorado 84
				New Mexico 85
				Arizona 86
				Utah 87
				Nevada 88

-more-

Word	Char.	Characteristic	Universe	Description	1970 Ranking
3	5-6	State (1st digit of State Code is Division Code) (From M.S.T.) (Con't)	All	Pacific Division Washington Oregon California Alaska Hawaii	91 92 93 94 95
4	1-2	State Rankings (From M.S.T.)	All	California New York Pennsylvania Texas Illinois Ohio Michigan New Jersey Florida Massachusetts Indiana North Carolina Missouri Virginia Georgia Wisconsin Tennessee Maryland Minnesota Louisiana Alabama Washington Kentucky Connecticut Iowa South Carolina	01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26

Word	Char.	Characteristic	Universe	Description	
4	1-2	State Rankings (Con't) (From M.S.T.)	All	Oklahoma	27
				Kansas	28
				Mississippi	29
				Colorado	30
				Oregon	31
				Arkansas	32
				Arizona	33
				West Virginia	34
				Nebraska	35
				Utah	36
				New Mexico	37
				Maine	38
				Rhode Island	39
				Hawaii	40
				District of Columbia	41
				New Hampshire	42
				Idaho	43
				Montana	44
				South Dakota	45
				North Dakota	46
				Delaware	47
				Nevada	48
				Vermont	49
				Wyoming	50
				Alaska	51

4 3-4 PADDING

The next page is 7

-more-

Word	Char.	Characteristic	Universe	Description
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5		<u>Item 1 - INTERVIEWER CHECK ITEM</u>	A11	Blank or Impossible Only CPS-1 for household First CPS-1 of cont. household Second CPS-1 of cont. household Third, fourth, etc. CPS-1	- 1 2 3 4
---	--	--	-----	---	-----------------------

6		Blank			
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5	1-3	Blank			
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4-6		<u>Item 10 - INTERVIEWER CODE</u>	A11	Blank or Impossible in any digit	-NA, or APP-M99 (Excluding I--)
-----	--	-----------------------------------	-----	-------------------------------------	---------------------------------------

6	1	<u>Item 12 - LINE NO. H'ILD RESP.</u>	A11	Blank or Impossible	- 1-6
---	---	---------------------------------------	-----	---------------------	----------

2		<u>Item 13 - TYPE INTERVIEW</u>	A11	Non H'hld Resp. Noninterview	7 1
---	--	---------------------------------	-----	---------------------------------	--------

-more-

Word	Char.	Characteristic	Universe	Day of Month	Description	-- or 10-29
6	3-4	Item 11 - DATE COMPLETED	All			
	5	PADDING				
	6					
7	1-2	Item 15 - TYPE B OR C (Recode)	All			
					<u>Type B</u>	
					Vacant - regular	01
					Vacant - storage of h'hld furniture	02
					Temp. occ. by persons with URE	03
					Unfit or to be demolished	04
					Under construction, not ready	05
					Converted to temp. business or storage	06
					Occ. by AF members or persons under 14	07
					Unoccupied tent site or trailer site	08
					Permit granted, construction not started	09
					Other	10
					<u>Type C</u>	
					Demolished	11
					House or trailer moved	12
					Outside segment	13
					Converted to permanent business or storage	14
					Merged	15
					Condemned	16
					Built after April 1, 1980	17
					Unused line of listing sheet	18
					Other	19

Word	Char.	Characteristic	Universe	Description
7	3-5	PADDING		
	6	Blank		
8	1	Land Usage (Recode) (Edited using Urban/Rural Code from M.S.T. and CPS-1 Document Items 5a. and 5b-new in Feb. 76) Recode reflects "old" Farm Definition.	All	Nonfarm Farm 1 2, 3
		(Effective April 1984, Reflects new farm definition)		
2-3		Item 4 - TYPE OF LIVING QUARTERS (Recode)	All	Housing Unit house, apt., flat HU in nontransient hotel, etc. HU, permanent, in trans. hotel, motel, etc. HU in rooming house Mobile home or Trailer HU not specified above 01 02 03 04 05 06

-more-

Word	Char.	Characteristic	Universe	Description
8	2-3	Item 4 - TYPE OF LIVING QUARTERS (Recode) (Con't)	All	Other Unit Qtrs. not HU in rooming or boarding house 07 Unit not permanent in trans. hotel, motel, etc. 08 Tent or trailer site 09 Other not HU 10
4		"New" Farm Definition (Recode) Effective February 1976. (Edited using Urban/Rural Code from M.S.T. and CPS-1 Document Items 5a. and 5b.)	All	Nonfarm Farm 1 2, 3
5		Blank		
6		Item 9 - HOUSEHOLD NUMBER (Unedited)	All	Blank 1-8 1-8
9 through 19	1 2	PADDING		
3		Household Indicator	All	1
4-6		Document Count (Within Work Unit)	All	001-999
20	1-3	Work Unit Number (From Breaker Sheet)	All	If Breaker was missing 001 or ΔΔ1-999 9XX Assigned

Word	Char.	Characteristic	Universe	Description
20	4-5	Month	All	01-12
	6	Year - Last Digit	All	0-9
21	1-6	Fill	All	(Binary 01)
22	1-5			
	6	Final Weight	All	1 2-4

-more-

Word	Char.	Characteristic	Universe	Description
23	1-6	} PADDING		
and				
24	1-3			
	4-6	JRCERR	All	No. of errors charged to Enumerator 000-999
25	1-3	CMSA/MSA Rank Code (Beginning October 1985)	All	Not identifiable Nonmetropolitan Identified 1/ 000 000 001-252
	4-5	PMSA Rank Code (Beginning October 1985)	All	Not identifiable Not in a PMSA Identified 1/ 00 00 01-12
	6	Individual Central City Code (Beginning October 1985)	All	Not identifiable Identified 1/ 0 1-4
26	1	Metropolitan Status Code	All	Metropolitan Nonmetropolitan Not identifiable 1 2 3
	2	Central City Status Code (Beginning October 1985)	All	Central City Balance of MSA/PMSA Nonmetropolitan Not identifiable 1 2 3 4
	3	Blank		
	4	MSA/CMSA Size (From M.S.T.- reflecting 1983 Population Estimates) (Beginning October 1985)		Not identifiable 100,000-249,999 250,000-499,999 500,000-999,999 1,000,000-2,499,999 2,500,000-4,999,999 5,000,000-9,999,999 10,000,000+

Word	Char.	Characteristic	Universe	Description
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26	5-6	PADDING		
----	-----	---------	--	--

27	1-3	Blank		
----	-----	-------	--	--

4		RACE (Recode)	All	White Other
				1 2

5-6		Blank		
-----	--	-------	--	--

28	1	Blank		
52	6			

through

Word	Char.	Characteristic	Universe	Description
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BASIC CPS ALLOCATION FLAGS

53	1	Item 5a	All	
	2	4		
	3	5b		
	4	9		
53 Thru 58	5 } 5 }	PADDING		
58	6	Geographic Identification		
59 Thru 80	1 } 6 }	PADDING		
				Not Allocated
				Allocated
				0
				1

END OF BASIC CPS RECORD

CURRENT POPULATION SURVEY
 ARMED FORCE'S INTERVIEW RECORD LAYOUT
 (BEGINNING JULY 1985)
 FOR STANDARD TAPE COPIES

Word	Char.	Characteristic	Universe	Record type	Interview	Description
1	1		All		4	
2	2	Month in Sample (Recorded from Month and Rotation)	All		1-8	
3	3	Blank				
2	4-6	Household ID Number	All			
	1-6					
3	1-3					
4		Region (From M.S.T.)	All			Northeast North Central South West

Note: Edited household items & recodes and Geographic Identifiers & recodes are transferred from the Principal Person's record to all children in the household.

-more-

Word	Char.	Characteristic	Universe	Description	
3	5	Division (From M.S.T.)	All	New England Middle Atlantic East North Central West North Central South Atlantic East South Central West South Central Mountain Pacific	Re Re Re Re Re Re Re Re Re
5-6		State (1st digit of State Code is Division Code) (From M.S.T.)	All	<u>New England Division</u> Maine New Hampshire Vermont Massachusetts Rhode Island Connecticut <u>Middle Atlantic Division</u> New York New Jersey Pennsylvania	11 12 13 14 15 16 21 22 23

-more-

Description

Universe

Characteristic

Word Char.

3 5-6 State (1st digit of State Code is Division Code) (From H.S.T.) (Cont.)

All

East North Central Division

- Ohio 31
- Indiana 32
- Illinois 33
- Michigan 34
- Wisconsin 35

West North Central Division

- Minnesota 41
- Iowa 42
- Missouri 43
- North Dakota 44
- South Dakota 45
- Nebraska 46
- Kansas 47

South Atlantic Division

- Dalware 51
- Maryland 52
- District of Columbia 53
- Virginia 54
- West Virginia 55
- North Carolina 56
- South Carolina 57
- Georgia 58
- Florida 59

East South Central Division

- Kentucky 61
- Tennessee 62
- Alabama 63
- Mississippi 64

Word	Char.	Characteristic	Universe	Description	
3	5-6	State (1st digit of State Code in Division Code) (From H.S.T.) (Cont.)	All	<u>West South Central Division</u> Arkansas Louisiana Oklahoma Texas	71 72 73 74
				<u>Mountain Division</u> Montana Idaho Wyoming Colorado New Mexico Arizona Utah Nevada	81 82 83 84 85 86 87 88
				<u>Pacific Division</u> Washington Oregon California Alaska Hawaii	91 92 93 94 95

--more--

Word Char. Characteristic Univ. orso Description

h 1-2 State Rankings (From N.S.T.) All

1980 Ranking

- California (CA) 01
- New York (NY) 02
- Texas (TX) 03
- Pennsylvania (PA) 04
- Illinois (IL) 05
- Ohio (OH) 06
- Florida (FL) 07
- Michigan (MI) 08
- New Jersey (NJ) 09
- North Carolina (NC) 10
- Massachusetts (MA) 11
- Indiana (IN) 12
- Georgia (GA) 13
- Virginia (VA) 14
- Missouri (MO) 15
- Wisconsin (WI) 16
- Tennessee (TN) 17
- Maryland (MD) 18
- Louisiana (LA) 19
- Washington (WA) 20
- Minnesota (MN) 21
- Alabama (AL) 22
- Kentucky (KY) 23
- South Carolina (SC) 24
- Connecticut (CT) 25
- Oklahoma (OK) 26
- Iowa (IA) 27
- Colorado (CO) 28
- Arizona (AZ) 29
- Oregon (OR) 30

Word	Char.	Characteristic	Inventory	Description	1980 Ranking
4	1-2	State Rankings (Cont.) (From U.S.T.)	All.	Mississippi (MS)	31
				Kansas (KS)	32
				Arkansas (AR)	33
				West Virginia (WV)	34
				Nebraska (NE)	35
				Utah (UT)	36
				New Mexico (NM)	37
				Maine (ME)	38
				Hawaii (HI)	39
				Rhode Island (RI)	40
				Idaho (ID)	41
				New Hampshire (NH)	42
				Nevada (NV)	43
				Montana (MT)	44
				South Dakota (SD)	45
				North Dakota (ND)	46
				Dist. of Columbia (DC)	47
				Delaware (DE)	48
				Vermont (VT)	49
				Wyoming	50
				Alaska	51

The next page is Page 8

Word Char. Characteristic Unlvsr'so Description

h 3-h PADDING

5 Item 1 -- INTERVIEWER CHECK ITEM

ALL

Blank or Impossible
Only CPS-1 for household
First CPS-1 of cont.
household
Second CPS-1 of cont.
household
Third, fourth, etc. CPS-1

1
2
3
4

6 Blank

--more--

Word	Char.	Characteristic	Unl'vorse	Description
5	1-3	Blank		
4-6		<u>Item 10</u> -- INTERVIEWER CODE	ALL	Blank or Impossible in any digit
6	1	<u>Item 12</u> -- LINE NO. H'ILD RESP.	ALL	Blank or Impossible
2		<u>Item 13</u> -- TYPE INTERVIEW	ALL	Non H'ild Resp. Blank Personal Tel. - Regular Tel. - Callback ICR Filled
3-4		<u>Item 11</u> -- DATE COMPLETED	ALL	Day of Month
5-6		PADDING		
7	1-5	PADDING		
6		BLANK		

-NA, or
100-199
(Excluding 1-

1-6
7

2
3
4
5

--- or
10-29

-more-

Word	Char.	Characteristic	Universe	Description
U	1	BLANK		
2-3		<u>Item 4 - TYPE OF LIVING QUARTERS (Recode)</u>	ALL	<p><u>Housing Unit</u> house, apt., flat 01 HU in nontransient hotel, etc. 02 HU, permanent, in trans. hotel, motel, etc. 03 HU in rooming house 04 Mobile home or Trailer 05 HU not specified above 06 <u>Other Unit</u> Qtrg. not HU in rooming or boarding house 07 Unit not permanent in trans. hotel, motel, etc. 08 Tent or trailer site 09 Other not HU 10</p>
1.		'New' Farm Definition (Recode) Effective February 1976. (Excluded using Urban/Rural Code from M.S.T. and CPS-1 Document <u>Items 5a. and 5b.</u>)	ALL	<p>Nonfarm 1 Farm 2, 3</p>

Word Char. Characteristic Universe Description

8 5 Blank

6 Item 9 - HOUSEHOLD NUMBER ALL

9 1 }
 Through 6 }
 18 6 }
 PADDING

Description

Universe

Characteristics

Character

9	1-3	PADDING			
	4-6	Document Count (Within Work Unit)	ALL		001-999
0	1-3	Work Unit Number (From Breaker Sheet)	ALL		001 or 9XX Ass.
	4-5	Month	ALL		01-12
	6	Year - Last Digit	ALL		0-9
1 & 2	ALL	Final Weight	ALL		"
	1-6	PADDING			Two Understood Decimal Places. (Right Justified, space fill -01)

Word	Char.	Characteristic	Universe	Description	No. of errors charged to Enumerator
23 and 24	1-6 1-3	PADDING			
	4-6	JRCERR	All		000-99
25	1-3	CMSA/MSA Rank Code (Beginning October 1985)	All	Not identifiable Nonmetropolitan Identified 1/	000 000 001-2
	4-5	PMSA Rank Code (Beginning October 1985)	All	Not identifiable Not in a PMSA Identified 1/	00 00 01-1
	6	Individual Central City Code (Beginning October 1985)	All	Not identifiable Identified 1/	0 1-4
26	1	Metropolitan Status Code	All	Metropolitan Nonmetropolitan Not identifiable	1 2 .3
	2	Central City Status Code (Beginning October 1985)	All	Central City Balance of MSA/PMSA Nonmetropolitan Not identifiable	1 2 3 4
	3	Blank			
	4	MSA/CMSA Size (From M.S.T.- reflecting 1983 Population Estimates) (Beginning October 1985)		Not identifiable 100,000-249,999 250,000-499,999 500,000-999,999 1,000,000-2,499,999 2,500,000-4,999,999 5,000,000-9,999,999 10,000,000+	0 2 3 4 5 6 7 8

Word	Char.	Characteristic	Universe	Description
26	5	Item 181 - ETHNICITY (Hexcode)	All	1 Mexican American 2 Chicano 3 Mexican (Mexicano) 4 Puerto Rican 5 Cuban 6 Central or South American 7 Other Spanish 8 All other 9 Do Not Know A NA
	6	PADDING		
27	1-2	PADDING		
27	3	BLANK		
	4 } 5 }	PADDING		
	6	BLANK		
28	1	PADDING Through		
	6			

ATTACHMENT D (Armed Forces)

WORD CHAR. CHARACTERISTIC

UNIVERSE

DESCRIPTION

VALUES

65 1-2 Item 10A - LINE NUMBER

All

01-39

3 Item 10B - RELATIONSHIP TO REFERENCE PERSON

All

Reference Person with other relatives in household 1
 Reference Person with no other relatives in household 2
 Husband 3
 Wife 4
 Own child 5
 Parent 6
 Brother/Sister 7
 Other relative of reference person 8
 Non-relative of reference person - with own relatives in household 9
 Non-relative of reference person - no own relatives in household A

4-5 Item 10C - PARENT'S LINE NUMBER

All

00
01-39

6 PADDING

66 1-2 Item 10D - AGE

All

Age in Years

14-90 1/4

3 Item 10E - MARITAL STATUS

All

Married-civilian spouse present 1
 Married-Armed Forces spouse present 2
 Married-spouse absent (Exclude separated) 3
 Widowed 4
 Divorced 5
 Separated 6
 Never married 7

4-5 Item 10F - SPOUSE'S LINE NUMBER

All

00
01-39

6 Item 10G - SEX

All

None Spouse's line number
 Male 1
 Female 2

1/Age topcoded at 90 years

ATTACHMENT D (Armed Forces)

WORD CHAR. CHARACTERISTIC UNIVERSE DESCRIPTION VALUES

WORD	CHAR.	CHARACTERISTIC	UNIVERSE	DESCRIPTION	VALUES
67	1	PADDING			
2-3		Item 10H - HIGHEST GRADE (of school) ATTENDED	ALL	None E1 E2 E3 E4 E5 E6 E7 E8 E9 E0 H1 H2 H3 H4 C1 C2 C3 C4 C5 C6+	00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18
4		Item 10I - GRADE COMPLETED	ALL	Yes No	1 2
5		Item 10J - RACE	ALL	White Black Other	1 2 3
6		PADDING			
68	1-2	PADDING			
3-6		FAMILY NUMBER	ALL	Not a Family Member Primary Family Member Only Subfamily Member	00 01 02-39
5		FAMILY TYPE	ALL	Primary Family Primary Individual Related Subfamily Unrelated Subfamily Secondary Individual	1 2 3 4 5
6		FAMILY RELATIONSHIP	ALL	Not a Family Member Reference Person Spouse Child Other Relative(Primary Family only)	0 1 2 3 4

ATTACHMENT D (Armed Forces)

DATE 070185

PAGE 17

WORD CHAR. CHARACTERISTIC

UNIVERSE DESCRIPTION

VALUES

69 1 -4 PADDING

5 LINE NUMBER ALLOCATION FLAG ALL 0
Blank to Value 1
Old Value to New Value 2

6 RELATIONSHIP TO REFERENCE PERSON ALLOCATION FLAG ALL 0
No Change 0
Blank to Value 1
Old Value to New Value 2

70 1 PARENT'S LINE NUMBER ALLOCATION FLAG ALL 0
Value Allocated 2

2 AGE ALLOCATION FLAG ALL 0
No Change 0
Blank to Value 1
Old Value to New Value 2

3 MARITAL STATUS ALLOCATION FLAG ALL 0
No Change 0
Blank to Value 1
Old Value to New Value 2

4 SPOUSE'S LINE NUMBER ALLOCATION FLAG ALL 0
Value Allocated 2

5 SEX ALLOCATION FLAG ALL 0
No Change 0
Blank to Value 1
Old Value to New Value 2

6 PADDING

71 1 HIGHEST GRADE ATTENDED ALLOCATION FLAG ALL 0
No Change 0
Blank to Value 1
Old Value to New Value 2

2 GRADE COMPLETED ALLOCATION FLAG ALL 0
No Change 0
Blank to Value 1
Old Value to New Value 2

3 RACE ALLOCATION FLAG ALL 0
No Change 0
Blank to Value 1
Old Value to New Value 2

4 PADDING

5 thru 2 Total Weekly Family Earnings (for members 16+) HIS=4,8 0
Not in Primary Family 1
Usual weekly family earnings 1
blank 2
0000-9999

72 3 PADDING ALL

ATTACHMENT D (Armed Forces)

DATE 070185 PAGE 10
 WORD CHAR. CHARACTERISTIC UNIVERSE DESCRIPTION VALUES

72	4	AGE OF PRIMARY FAMILY HOUSEHOLDER	ALL	Not a Family Member < 25 Years Old 25-44 Years Old 45-54 Years Old 55-64 Years Old 65+ Years Old	0 1 2 3 4 5
5-6		SIZE OF PRIMARY FAMILY	ALL	Not in Primary Family Number Individuals with WD 104:5=1,3	00 01-39
73	1	PRIMARY FAMILY EARNERS WAGE AND SALARY STATUS	ALL	Not in Primary Family No One Employed Some Employed - No Wage and Salary Workers With Wage and Salary Workers Husband, Wife or Reference Person Self-Employed With Wage and Salary Workers Husband, Wife or Reference Person Not Self-Employed Other Household Member Self-Employed With Wage and Salary Workers Only	0 1 2 3 4 5
2		USUAL FULL-TIME/PART-TIME STATUS OF PRIMARY FAMILY EARNERS	HIS=4,6	Not in Primary Family No Earners All Earners Full Time Some Full Time, Some Part Time All Earners Part Time Not In Universe	0 1 2 3 4 5
3		LABOR FORCE AND EARNER STATUS (MALE) OF HUSBAND OF PRIMARY FAMILY OR MALE HOUSEHOLDER	ALL	Not in Primary Family/No Male Employed Earner Self Employed Without Pay Unemployed Not in Labor Force Armed Forces	0 1 2 3 4 5 6
4		LABOR FORCE AND EARNER STATUS (FEMALE) OF WIFE OF PRIMARY FAMILY OR FEMALE HOUSEHOLDER	ALL	Not in Primary Family/No Female Employed Earner Self Employed Without Pay Unemployed Not in Labor Force Armed Forces	0 1 2 3 4 5 6
5		NUMBER OF EARNERS IN PRIMARY FAMILY	ALL	Not in Primary Family No Earners 1-8 Earners 9+ Earners	0 0 1-8 9

WORD CHAR. CHARACTERISTIC UNIVERSE DESCRIPTION VALUES

73 6 NUMBER OF UNEMPLOYED IN PRIMARY FAMILY ALL
 Not in Primary Family 0
 No Unemployed 0
 1-8 Unemployed 1-8
 9+ Unemployed 9

74 1 HOUSEHOLD TYPE ALL
 Husband/Wife Primary Family - 1
 (Neither Husband or Wife
 in Armed Forces)
 Husband/Wife Primary Family - 2
 (Husband and/or Wife in
 Armed Forces)
 Unmarried Civilian Male Primary 3
 Family Householder
 Unmarried Civilian Female Primary 4
 Family Householder
 Primary Family Household - 5
 Reference Person in Armed Forces
 and Unmarried
 Civilian Male Primary Individual 6
 Civilian Female Primary Individual 7
 Primary Individual Household - 8
 Reference Person in Armed Forces
 Group Quarters 9

2 NUMBER OF OWN CHILDREN LESS THAN 18 IN PRIMARY FAMILY ALL
 Not in Primary Family 0
 No Child 1
 1 Child 2
 2 Children 3
 3 Children 4
 4 Children 5
 5 Children 6
 6 Children 7
 7 Children 8
 8+ Children 9

3 PRESENCE OF OWN CHILDREN LESS THAN 18 IN PRIMARY FAMILY ALL
 Not in Primary Family 0
 No Children < 18 Years Old 1
 All Children 14-17 Years Old 2
 All Children 6-13 Years Old 3
 All Children 0-5 Years Old 4
 Children 14-17 and 6-13 5
 (No Children 0-5) 6
 Children 14-17 and 0-5 7
 (No Children 6-13) 8
 Children 6-13 and 0-5 9
 (No Children 14-17) 0
 Children from all Age Groups 1

4 PRIMARY FAMILY RELATIONSHIP ALL
 Not in Primary Family 0
 Husband 1
 Wife 2
 Own Child 3
 Other Relative 4
 Unmarried Reference Person 5

WORD CHAR. CHARACTERISTIC UNIVERSE DESCRIPTION VALUES

74 5 Number of Earners in Primary Family 16+ All Not in Primary Family
 No earners 0
 1-8 earners 1-0
 9+ earners 9

6 Number of Unemployed in Primary Family 16+ All Not in Primary Family
 No unemployed 0
 1-8 unemployed 1-8
 9+ unemployed 9

75 1-6 FAMILY HEIGHT ALL Two Implied Decimal Places,
 and 1-6 Right Justified, Space Filled (01)

77 1-2 HOUSEHOLD SIZE ALL Number of Persons in Household 01-39
 3-4 NUMBER OF FAMILIES IN HOUSEHOLD ALL
 5-6 PADDING 00-39

78 1-6 FAMILY EARNINGS HEIGHT HIS=4,0 Two Implied Decimal Places,
 /9 1-6 Right Justified, Space Filled (01)

80 1 PRIMARY FAMILY EARNERS WAGE AND SALARY STATUS ALL
 (16+) Not in Primary Family 0
 No One Employed 1
 Some Employed - 2
 No Wage and Salary Workers
 With Wage and Salary Workers 3
 Husband, Wife or Reference Person
 Self-Employed 4
 With Wage and Salary Workers
 Husband, Wife or Reference Person
 Not Self-Employed
 Other Household Member Self-Employed
 With Wage and Salary Workers Only 5

2 USUAL FULL-TIME/PART-TIME STATUS OF PRIMARY FAMILY EARNERS HIS=4,0
 (16+) Not in Primary Family 0
 No Earners 1
 All Earners Full Time 2
 Some Full Time, Some Part Time 3
 All Earners Part Time 4
 Not In Universe 5

3-6 TOTAL WEEKLY FAMILY EARNINGS HIS=4,0 Not in Primary Family
 Usual Weekly Family Earnings Blank
 0000-9999

***** END OF ATTACHMENT D *****

JANUARY 1986 DISPLACED WORKER'S SUPPLEMENT RECORD LAYOUT

Word	Char.	Item	Characteristics	Universe	Description
------	-------	------	-----------------	----------	-------------

81

EDITED SUPPLEMENT DATA

1		29	Interviewer Check Item	Adults 14+	14-19 years old 20+ years old
2		30	Has ... lost or left a job? (Since January 1981)	I29 = 2	Yes No
3		31	Why ... is no longer working at that? (Describe specific reasons)	I30 = 1	Plant or Company closed down or moved? 1 Plant or Company operating, but lost job because of: 2 - Slack work? 3 - Position or shift abolished? 4 - Seasonal job completed? 5 Self-operated business failed? 6 Or was there some other reason? 6
4		32	Did ... expect a layoff or had ... received advance notice of a layoff or plant or business closing?	I30 = 1	Yes No
5		33	Did ... leave that job before ... would have been laid off?	I32 #2	Yes No
6	COW		CLASS OF WORKERS	Adults 20+	PRIVATE P - 1 FEDERAL GOV'T F - 2 STATE GOV'T S - 3 LOCAL GOV'T L - 4 SELF-EMPLOYMENT I - 5 YES

June 1986

JANUARY 1986 DISPLACED WORKER'S SURVEY

Word	Char.	Item	Characteristics	Universe	Description
82	1-3	IND	INDUSTRY	Adults 20+	000-992
	4	Blank			
	5-6	INDRC	MAJOR INDUSTRY CODE	Adults 20+	01 - 23
83	1-3	OCC	OCCUPATION	Adults 20+	003-999
	4	Blank			
	5-6	OCCRC	MAJOR OCCUPATION CODE	Adults 20+	01 - 15
84	1	Blank			
156	2	35	Was ... included in a Group Health Insurance Plan at that job?	I30 = 1	Yes No Don't Know

1
2
3

Characteristics

Universe

Description

Item

Char.

Word	Char.	Item	Characteristics	Universe	Description
34	3	36	When did ... last work at that job?	I30 = 1	1981 1982 1983 1984 1985 1986
	4-5	37	How many years had ... worked continuously there when that job ended?	I30 = 1	00-59
	6	38	At that job, was ... working full-time or part-time?	I30 = 1	Full-time Part-time
35	1-4	39	How much did ... usually earn per week before deductions?	I30 = 1	0000-1999
157	5-6	40	Since ... left that job, how many weeks was ... without work?	I30 = 1	00-99
16	1-2	Blank			
	3	41	Did ... receive unemployment benefits after that job ended?	I30 = 1	Yes No Don't know

1
2
3

1
2
3

Word	Char.	Item	Characteristics	Universe	Description
86	4	41A	For how many weeks?	I41 ≠ 2	Less than 15 15 to 26 27+
	5	42	Since that job, has ... moved to a different city or county to look for work or to take a different job?	I41 = 2 or 3	Yes No
	6	43	Is ... now covered by any Group Health Insurance Plan?	I30 = 1	Yes No Don't Know
87	1	44	Interviewer Check Item	I30 = 1	1,2,4,5,6,8 3 or 7
	2	45	Interviewer Check Item	I44=1	Entry (or NA) in 20A or 21B and P,F,S, or 1 in 23E All Others
	3-6	46	At ...'s current job, about how much does ... usually earn per week before deductions?	I45 = 1	000- 999

JANUARY 1986 DISPLACED WORKER'S SURVEY

Word	Char.	Item	Characteristics	Universe	Description
88	1	47	How many jobs has ... had since working at (entry in 34A)?	I30=1	0-5+
	2	IT	TYPE OF INTERVIEW	Adults 14+	Displaced Workers 1 I30 = NO 2 NONINTERVIEW 3
	3-6		Padding		

-End of Record-

INDUSTRY CLASSIFICATION CODES

(Numbers in parentheses are the 1972 SIC code equivalents; see Executive Office of the President, Office of Management and Budget, Standard Industrial Classification Manual, 1972 and the 1977 Supplement. "Pt" means part; "n.e.c." means not elsewhere classified.)

<u>Code</u>	<u>Industry</u>
0-9	not used
10-31	AGRICULTURE, FORESTRY, AND FISHERIES
10	Agricultural production, crops (01)
11	Agricultural production, livestock (02)
12-19	not used
20	Agricultural services, except horticultural (07, except 078)
21	Horticultural services (078)
22-29	not used
30	Forestry (08)
31	Fishing, hunting, and trapping (09)
32-39	not used
40-50	MINING
40	Metal mining (10)
41	Coal mining (11, 12)
42	Crude petroleum and natural gas extraction (13)
43-49	not used
50	Nonmetallic mining and quarrying, except fuel (14)
51-59	not used
60	CONSTRUCTION (15, 16, 17)
61-99	not used
100-392	MANUFACTURING
100-222	Nondurable Goods
100-122	Food and kindred products
100	Meat products (201)
101	Dairy products (202)
102	Canned and preserved fruits and vegetables (203)
103-109	not used
110	Grain mill products (204)
111	Bakery products (205)
112	Sugar and confectionery products (206)
113-119	not used
120	Beverage industries (208)
121	Miscellaneous food preparations and kindred products (207, 209)
122	Not specified food industries
123-129	not used
130	Tobacco manufactures (21)
131	not used
132-150	Textile mill products
132	Knitting mills (225)
133-139	not used
140	Dyeing and finishing textiles, except wool and knit goods. (226)

<u>Code</u>	<u>Industry</u>
141	Floor coverings, except hard surface (227)
142	Yarn, thread, and fabric mills (228, 221-224)
143-149	not used
150	Miscellaneous textile mill products (229)
151-152	Apparel and other finished textile products
151	Apparel and accessories, except knit (231-238)
152	Miscellaneous fabricated textile products (239)
153-159	not used
160-162	Paper and allied products
160	Pulp, paper, and paperboard mills (261-263, 266)
161	Miscellaneous paper and pulp products (264)
162	Paperboard containers and boxes (265)
163-170	not used
171-172	Printing, publishing, and allied industries
171	Newspaper publishing and printing (271)
172	Printing, publishing, and allied industries, except newspapers (272-279)
173-179	not used
180-192	Chemicals and allied products
180	Plastics, synthetics, and resins (282)
181	Drugs (283)
182	Soaps and cosmetics (284)
183-189	not used
190	Paints, varnishes, and related products (285)
191	Agricultural chemicals (287)
192	Industrial and miscellaneous chemicals (281, 286, 289)
193-199	not used
200-201	Petroleum and coal products
200	Petroleum refining (291)
201	Miscellaneous petroleum and coal products (295, 299)
202-209	not used
210-212	Rubber and miscellaneous plastics products
210	Tires and inner tubes (301)
211	Other rubber products, and plastics footwear and belting (302-304, 306)
212	Miscellaneous plastics products (307)
213-219	not used
220-222	Leather and leather products
220	Leather tanning and finishing (311)
221	Footwear, except rubber and plastic (313, 314)
222	Leather products, except footwear (315-317, 319)
223-229	not used
230-391	Durable Goods
230-241	Lumber and wood products, except furniture
230	Logging (241)
231	Sawmills, planning mills, and millwork (242, 243)
232	Wood buildings and mobile homes (245)
233-240	not used
241	Miscellaneous wood products (244, 249)
242	Furniture and fixtures (25)
243-249	not used

<u>Code</u>	<u>Industry</u>
250-262	Stone, clay, glass, and concrete products
250	Glass and glass products (321-323)
251	Cement, concrete, gypsum, and plaster products (324, 327)
252	Structural clay products (325)
253-260	not used
261	Pottery and related products (326)
262	Miscellaneous nonmetallic mineral and stone products (328, 329)
263-269	not used
270-301	Metal industries
270	Blast furnaces, steelworks, rolling and finishing mills (331)
271	Iron and steel foundries (332)
272	Primary aluminum industries (3334, part 334, 3353-3355, 3361)
273-279	not used
280	Other primary metal industries (3331-3333, 3339, part 334, 3351, 3356, 3357, 3362, 3369, 339)
281	Cutlery, handtools, and other hardware (342)
282	Fabricated structural metal products (344)
283-289	not used
290	Screw machine products (345)
291	Metal forgings and stampings (346)
292	Ordnance (348)
293-299	not used
300	Miscellaneous fabricated metal products (341, 343, 347, 349)
301	Not specified metal industries
302-309	not used
310-332	Machinery, except electrical
310	Engines and turbines (351)
311	Farm machinery and equipment (352)
312	Construction and material handling machines (353)
313-319	not used
320	Metalworking machinery (354)
321	Office and accounting machines (357, except 3573)
322	Electronic computing equipment (3573)
323-330	not used
331	Machinery, except electrical, n.e.c. (355, 356, 358, 359)
332	Not specified machinery
333-339	not used
340-350	Electrical machinery, equipment, and supplies
340	Household appliances (363)
341	Radio, T.V., and communication equipment (365, 366)
342	Electrical machinery, equipment, and supplies, n.e.c. (361, 362, 364, 367, 369)
343-349	not used
350	Not specified electrical machinery, equipment, and supplies

<u>Code</u>	<u>Industry</u>
351-370	Transportation equipment
351	Motor vehicles and motor vehicle equipment (371)
352	Aircraft and parts (372)
353-359	not used
360	Ship and boat building and repairing (373)
361	Railroad locomotives and equipment (374)
362	Guided missiles, space vehicles, and parts (376)
363-369	not used
370	Cycles and miscellaneous transportation equipment (375, 379)
371-382	Professional and photographic equipment, and watches
371	Scientific and controlling instruments (381, 382)
372	Optical and health services supplies (383, 384, 385)
373-379	not used
380	Photographic equipment and supplies (386)
381	Watches, clocks, and clockwork operated devices (387)
382	Not specified professional equipment
383-389	not used
390	Toys, amusement, and sporting goods (394)
391	Miscellaneous manufacturing industries (39 except 394)
392	Not specified manufacturing industries <u>1/</u>
393-399	not used
400-472	TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES
400-432	Transportation
400	Railroads (40)
401	Bus service and urban transit (41 except 412)
402	Taxicab service (412)
403-409	not used
410	Trucking service (421, 423)
411	Warehousing and storage (422)
412	U.S. Postal Service (43)
413-419	not used
420	Water transportation (44)
421	Air transportation (45)
422	Pipe lines, except natural gas (46)
423-431	not used
432	Services incidental to transportation (47)
433-439	not used
440-442	Communications
440	Radio and television broadcasting (483)
441	Telephones (wire and radio) (481)
442	Telegraph and miscellaneous communication services (482, 489)
443-459	not used
460-472	Utilities and sanitary services
460	Electric light and power (491)
461	Gas and steam supply systems (492, 496)
462	Electric and gas, and other combinations (493)
463-469	not used

1/ When shown separately, "Not specified manufacturing" is at the same level as "Nondurable goods" and "Durable goods." When not shown, it is tallied with "Durable goods."

<u>Code</u>	<u>Industry</u>
470	Water supply and irrigation (494, 497)
471	Sanitary services (495)
472	Not specified utilities
473-499	not used
500-571	WHOLESALE TRADE
500-532	Durable Goods
500	Motor vehicles and equipment (501)
501	Furniture and home furnishings (502)
502	Lumber and construction materials (503)
503-509	not used
510	Sporting goods, toys, and hobby goods (504)
511	Metals and minerals, except petroleum (505)
512	Electrical goods (506)
513-520	not used
521	Hardware, plumbing and heating supplies (507)
522	Not specified electrical and hardware products
523-529	not used
530	Machinery, equipment, and supplies (508)
531	Scrap and waste materials (5093)
532	Miscellaneous wholesale, durable goods (5094, 5099)
533-539	not used
540-571	Nondurable Goods
540	Paper and paper products (511)
541	Drugs, chemicals, and allied products (512, 516)
542	Apparel, fabrics, and notions (513)
543-549	not used
550	Groceries and related products (514)
551	Farm products - raw materials (515)
552	Petroleum products (517)
553-559	not used
560	Alcoholic beverages (518)
561	Farm supplies (5191)
562	Miscellaneous wholesale, nondurable goods (5194, 5198, 5199)
563-570	not used
571	Not specified wholesale trade
572-579	not used
580-691	RETAIL TRADE
580	Lumber and building material retailing (521, 523)
581	Hardware stores (525)
582	Retail nurseries and garden stores (526)
583-589	not used
590	Mobile home dealers (527)
591	Department stores (531)
592	Variety stores (533)
593-599	not used
600	Miscellaneous general merchandise stores (539)
601	Grocery stores (541)
602	Dairy products stores (545)
603-609	not used
610	Retail bakeries (546)
611	Food stores, n.e.c. (542, 543, 544, 549)

<u>Code</u>	<u>Industry</u>
612	Motor vehicle dealers (551, 552)
613-619	not used
620	Auto and home supply stores (553)
621	Gasoline service stations (554)
622	Miscellaneous vehicle dealers (555, 556, 557, 559)
623-629	not used
630	Apparel and accessory stores, except shoe (56, except 566)
631	Shoe stores (566)
632	Furniture and home furnishings stores (571)
633-639	not used
640	Household appliances, TV, and radio stores (572, 573)
641	Eating and drinking places (58)
642	Drug stores (591)
643-649	not used
650	Liquor stores (592)
651	Sporting goods, bicycles, and hobby stores (5941, 5945, 5946)
652	Book and stationary stores (5942, 5943)
653-659	not used
660	Jewelry stores (5944)
661	Sewing, needlework, and piece goods stores (5949)
662	Mail order houses (5961)
663-669	not used
670	Vending machine operators (5962)
671	Direct selling establishments (5963)
672	Fuel and ice dealers (598)
673-680	not used
681	Retail florists (5992)
682	Miscellaneous retail stores (593, 5947, 5948, 5993, 5994, 5999)
683-690	not used
691	Not specified retail trade
692-699	not used
700-712	FINANCE, INSURANCE, AND REAL ESTATE
700	Banking (60)
701	Savings and loan associations (612)
702	Credit agencies, n.a.c. (61, except 612)
703-709	not used
710	Security, commodity brokerage, and investment companies (62, 67)
711	Insurance (63, 64)
712	Real estate; including real estate-insurance-law offices (65, 66)
713-720	not used
721-760	BUSINESS AND REPAIR SERVICES
721	Advertising (731)
722	Services to dwellings and other buildings (734)
723-729	not used
730	Commercial research, development, and testing labs (7391, 7397)
731	Personnel supply services (736)
732	Business management and consulting services (7392)
733-739	not used

<u>Code</u>	<u>Industry</u>
740	Computer and data processing services (737)
741	Detective and protective services (7393)
742	Business services, n.e.c. (732, 733, 735, 7394, 7395, 7396, 7399)
743-749	not used
750	Automotive services, except repair (751, 752, 754)
751	Automotive repair shops (753)
752	Electrical repair shops (762, 7694)
753-759	not used
760	Miscellaneous repair services (763, 764, 7692, 7699)
PERSONAL SERVICES	
761-791	
761	Private households (88)
762	Hotels and motels (701)
763-769	not used
770	Lodging places, except hotels and motels (702, 703, 704)
771	Laundry, cleaning, and garment services (721)
772	Beauty shops (723)
773-779	not used
780	Barber shops (724)
781	Funeral service and crematories (726)
782	Shoe repair shops (725)
783-789	not used
790	Dressmaking shops (part 729)
791	Miscellaneous personal services (722, part 729)
792-799	not used
ENTERTAINMENT AND RECREATION SERVICES	
800-802	
800	Theaters and motion pictures (78, 792)
801	Bowling alleys, billiard and pool parlors (793)
802	Miscellaneous entertainment and recreation services (791, 794, 799)
803-811	not used
PROFESSIONAL AND RELATED SERVICES	
812-892	
812	Offices of physicians (801, 803)
813-819	not used
820	Offices of dentists (802)
821	Offices of chiropractors (8041)
822	Offices of optometrists (8042)
823-829	not used
830	Offices of health practitioners, n.e.c. (8049)
831	Hospitals (806)
832	Nursing and personal care facilities (805)
833-839	not used
840	Health services, n.e.c. (807, 808, 809)
841	Legal services (81)
842	Elementary and secondary schools (821)
843-849	not used
850	Colleges and universities (822)
851	Business, trade, and vocational schools (824)
852	Libraries (823)
853-859	not used
860	Educational services, n.e.c. (829)

<u>Code</u>	<u>Industry</u>
861	Job training and vocational rehabilitation services (833)
862	Child day care services (835)
863-869	not used
870	Residential care facilities, without nursing (836)
871	Social services, n.e.c. (832, 839)
872	Museums, art galleries, and zoos (84)
873-879	not used
880	Religious organizations (866)
881	Membership organizations (861-865, 869)
882	Engineering, architectural, and surveying services (891)
883-889	not used
890	Accounting, auditing, and bookkeeping services (893)
891	Noncommercial educational and scientific research (892)
892	Miscellaneous professional and related services (899)
893-889	not used
900-932	PUBLIC ADMINISTRATION
900	Executive and legislative offices (911-913)
901	General government, n.e.c. (919)
902-909	not used
910	Justice, public order, and safety (92)
911-920	not used
921	Public finance, taxation, and monetary policy (93)
922	Administration of human resources programs (94)
923-929	not used
930	Administration of environmental quality and housing programs (95)
931	Administration of economic programs (96)
932	National security and international affairs (97)
933-990	not used
991	Assigned to persons whose labor force status is unemployed and whose last job was Armed Forces.

OCCUPATIONAL CLASSIFICATION CODES FOR DETAILED OCCUPATIONAL CATEGORIES

(Numbers in parentheses are the 1980 SOC code equivalent; see U.S. Department of Commerce, Office of Federal Statistical Policy and Standards, Standard Occupational Classification Manual, 1980. "Pt" means part; "n.e.c." means not elsewhere classified.)

<u>Code</u>	<u>Occupation</u>
0-2	not used
3-199	MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS
3-37	Executive, Administrative, and Managerial Occupations
3	Legislators (111)
4	Chief executives and general administrators, public administration (112)
5	Administrators and officials, public administration (1132-1139)
6	Administrators, protective services (1131)
7	Financial managers (122)
8	Personnel and labor relations managers (123)
9	Purchasing managers (124)
10-12	not used
13	Managers, marketing, advertising, and public relations (125)
14	Administrators, education and related fields (128)
15	Managers, medicine and health (131)
16	Managers, properties and real estate (1353)
17	Postmasters and mail superintendents (1344)
18	Funeral directors (pt 1359)
19	Managers and administrators, n.e.c. (121, 126, 127, 132-139, exc. 1344, 1353, pt 1359)
20-22	not used
23-37	Management Related Occupations
23	Accountants and auditors (1412)
24	Underwriters (1414)
25	Other financial officers (1415, 1419)
26	Management analysts (142)
27	Personnel, training, and labor relations specialists (143)
28	Purchasing agents and buyers, farm products (1443)
29	Buyers, wholesale and retail trade except farm products (1442)
30-32	not used
33	Purchasing agents and buyers, n.e.c. (1449)
34	Business and promotion agents (145)
35	Construction inspectors (1472)
36	Inspectors and compliance officers, exc. construction (1473)
37	Management related occupations, n.e.c. (149)
38-42	not used

<u>Code</u>	<u>Occupation</u>
43-199	Professional Specialty Occupations
43-63	Engineers, Architects, and Surveyors
43	Architects (161)
44-59	Engineers
44	Aerospace (1622)
45	Metallurgical and materials (1623)
46	Mining (1624)
47	Petroleum (1625)
48	Chemical (1626)
49	Nuclear (1627)
50-52	not used
53	Civil (1628)
54	Agricultural (1632)
55	Electrical and electronic (1633, 1636)
56	Industrial (1634)
57	Mechanical (1635)
58	Marine and naval architects (1637)
59	Engineers, n.e.c. (1639)
60-62	not used
63	Surveyors and mapping scientists (164)
64-68	Mathematical and Computer Scientists
64	Computer systems analysts and scientists (171)
65	Operations and systems researchers and analysts (172)
66	Actuaries (1732)
67	Statisticians (1733)
68	Mathematical scientists, n.e.c. (1739)
69-83	Natural Scientists
69	Physicists and astronomers (1842, 1843)
70-72	not used
73	Chemists, except biochemists (1845)
74	Atmospheric and space scientists (1846)
75	Geologists and geodeists (1847)
76	Physical scientists, n.e.c. (1849)
77	Agricultural and food scientists (1853)
78	Biological and life scientists (1854)
79	Forestry and conservation scientists (1852)
80-82	not used
83	Medical scientists (1855)
84-89	Health Diagnosing Occupations
84	Physicians (261)
85	Dentists (262)
86	Veterinarians (27)
87	Optometrists (281)
88	Podiatrists (283)
89	Health diagnosing practitioners, n.e.c. (289)
90-94	not used
95-106	Health Assessment and Treating Occupations
95	Registered nurses (29)
96	Pharmacists (301)
97	Dietitians (302)
98-105	Therapists
98	Inhalation therapists (3031)
99	Occupational therapists (3032)

<u>Code</u>	<u>Occupation</u>
100-102	not used
103	Physical therapists (3033)
104	Speech therapists (3034)
105	Therapists, n.e.c. (3039)
106	Physicians' assistants (304)
107-112	not used
113-154	Teachers, Postsecondary
113	Earth, environmental, and marine science teachers (2212)
114	Biological science teachers (2213)
115	Chemistry teachers (2214)
116	Physics teachers (2215)
117	Natural science teachers, n.e.c. (2216)
118	Psychology teachers (2217)
119	Economics teachers (2218)
120-122	not used
123	History teachers (2222)
124	Political science teachers (2223)
125	Sociology teachers (2224)
126	Social science teachers, n.e.c. (2225)
127	Engineering teachers (2226)
128	Mathematical science teachers (2227)
129	Computer science teachers (2228)
130-132	not used
133	Medical science teachers (2231)
134	Health specialties teachers (2232)
135	Business, commerce, and marketing teachers (2233)
136	Agriculture and forestry teachers (2234)
137	Art, drama, and music teachers (2235)
138	Physical education teachers (2236)
139	Education teachers (2237)
140-142	not used
143	English teachers (2238)
144	Foreign language teachers (2242)
145	Law teachers (2243)
146	Social work teachers (2244)
147	Theology teachers (2245)
148	Trade and industrial teachers (2246)
149	Home economics teachers (2247)
150-152	not used
153	Teachers, postsecondary, n.e.c. (2249)
154	Postsecondary teachers, subject not specified
155-159	Teachers, Except Postsecondary
155	Teachers, prekindergarten and kindergarten (231)
156	Teachers, elementary school (232)
157	Teachers, secondary school (233)
158	Teachers, special education (235)
159	Teachers, n.e.c. (236, 239)
160-162	not used

<u>Code</u>	<u>Occupation</u>
163	Counselors, educational and vocational (24)
164-165	Librarians, Archivists, and Curators
164	Librarians (251)
165	Archivists and curators (252)
166-173	Social Scientists and Urban Planners
166	Economists (1912)
167	Psychologists (1915)
168	Sociologists (1916)
169	Social scientists, n.e.c. (1913, 1914, 1919)
170-172	not used
173	Urban planners (192)
174-177	Social, Recreation, and Religious Workers
174	Social workers (2032)
175	Recreation workers (2033)
176	Clergy (2042)
177	Religious workers, n.e.c. (2049)
178-179	Lawyers and Judges
178	Lawyers (211)
179	Judges (212)
180-182	not used
183-199	Writers, Artists, Entertainers, and Athletes
183	Authors (321)
184	Technical writers (398)
185	Designers (322)
186	Musicians and composers (323)
187	Actors and directors (324)
188	Painters, sculptors, craft-artists, and artist print-makers (325)
189	Photographers (326)
190-192	not used
193	Dancers (327)
194	Artists, performers, and related workers, n.e.c. (328, 329)
195	Editors and reporters (331)
196	not used
197	Public relations specialists (332)
198	Announcers (333)
199	Athletes (34)
200-202	not used
203-389	TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS
203-235	Technicians and Related Support Occupations
203-208	Health Technologists and Technicians
203	Clinical laboratory technologists and technicians (362)
204	Dental hygienists (363)
205	Health record technologists and technicians (364)
206	Radiologic technicians (365)
207	Licensed practical nurses (366)
208	Health Technologists and technicians, n.e.c. (369)

<u>Code</u>	<u>Occupation</u>
209-212	not used
213-235	Technologists and Technicians, Except Health
213-218	Engineering and Related Technologists and Technicians
213	Electrical and electronic technicians (3711)
214	Industrial engineering technicians (3712)
215	Mechanical engineering technicians (3713)
216	Engineering technicians, n.e.c. (3719)
217	Drafting occupations (372)
218	Surveying and mapping technicians (373)
219-222	not used
223-225	Science Technicians
223	Biological technicians (382)
224	Chemical technicians (3831)
225	Science technicians, n.e.c. (3832, 3833, 384, 389)
226-235	Technicians; Except Health, Engineering, and Science
226	Airplane pilots and navigators (825)
227	Air traffic controllers (392)
228	Broadcast equipment operators (393)
229	Computer programmers (3971, 3972)
230-232	not used
233	Tool programmers, numerical control (3974)
234	Legal assistants (396)
235	Technicians, n.e.c. (399)
236-242	not used
243-285	Sales Occupations
243	Supervisors and proprietors, sales occupations (40)
244-252	not used
253-257	Sales Representatives, Finance and Business Services
253	Insurance sales occupations (4122)
254	Real estate sales occupations (4123)
255	Securities and financial services sales occupations (4124)
256	Advertising and related sales occupations (4153)
257	Sales occupations, other business services (4152)
258-259	Sales Representatives, Commodities Except Retail
258	Sales engineers (421)
259	Sales representatives, mining, manufacturing, and wholesale (423, 424)
260-262	not used
263-278	Sales Workers, Retail and Personal Services
263	Sales workers, motor vehicles and boats (4342, 4344)
264	Sales workers, apparel (4346)
265	Sales workers, shoes (4351)
266	Sales workers, furniture and home furnishings (4348)
267	Sales workers; radio, TV, hi-fi, and appliances (4343, 4352)
268	Sales workers, hardware and building supplies (4353)
269	Sales workers, parts (4367)
270-273	not used
274	Sales workers, other commodities (4345, 4347, 4354, 4356, 4359, 4362, 4369)

<u>Code</u>	<u>Occupation</u>
275	Sales counter clerks (4363)
276	Cashiers (4364)
277	Street and door-to-door sales workers (4366)
278	News vendors (4365)
279-282	not used
283-285	Sales Related Occupations
283	Demonstrators, promoters and models, sales (445)
284	Auctioneers (447)
285	Sales support occupations, n.e.c. (444, 446, 449)
286-302	not used
303-389	Administrative Support Occupations, Including Clerical
303-307	Supervisors, Administrative Support Occupations
303	Supervisors, general office (4511, 4513, 4514, 4516, 4519, 4529)
304	Supervisors, computer equipment operators (4512)
305	Supervisors, financial records processing (4521)
306	Chief communications operators (4523)
307	Supervisors; distribution, scheduling, and adjusting clerks (4522, 4524-4528)
308-309	Computer Equipment Operators
308	Computer operators (4612)
309	Peripheral equipment operators (4613)
310-312	not used
313-315	Secretaries, Stanographers and Typists
313	Secretaries (4622)
314	Stanographers (4623)
315	Typists (4624)
316-323	Information Clerks
316	Interviewers (4642)
317	Hotel clerks (4643)
318	Transportation ticket and reservation agents (4644)
319	Receptionists (4645)
320-322	not used
323	Information clerks, n.e.c. (4649)
324	not used
325-336	Records Processing Occupations, Except Financial
325	Classified-ad clerks (4662)
326	Correspondence clerks (4663)
327	Order clerks (4664)
328	Personnel clerks, except payroll and timekeeping (4692)
329	Library clerks (4694)
330-334	not used
335	File clerks (4696)
336	Records clerks (4699)
337-344	Financial Records Processing Occupations
337	Bookkeepers, accounting, and auditing clerks (4712)
338	Payroll and timekeeping clerks (4713)
339	Billing clerks (4715)
340-342	not used

<u>Code</u>	<u>Occupation</u>
343	Cost and rate clerks (4716)
344	Billing, posting, and calculating machine operators (4718)
345-347	Duplicating, Mail and Other Office Machine Operators
345	Duplicating machine operators (4722)
346	Mail preparing and paper handling machine operators (4723)
347	Office machine operators, n.e.c. (4729)
348-353	Communications Equipment Operators
348	Telephone operators (4732)
349	Telegraphers (4733)
350-352	not used
353	Communications equipment operators, n.e.c. (4739)
354-357	Mail and Message Distributing Occupations
354	Postal clerks, exc. mail carriers (4742)
355	Mail carriers, postal service (4743)
356	Mail clerks, exc. postal service (4744)
357	Messengers (4745)
358	not used
359-374	Material Recording, Scheduling, and Distributing Clerks, n.e.c.
359	Dispatchers (4751)
360-362	not used
363	Production coordinators (4752)
364	Traffic, shipping, and receiving clerks (4753)
365	Stock and inventory clerks (4754)
366	Meter readers (4755)
367	not used
368	Weighers, measurers, and checkers (4756)
369	Samplers (4757)
370-372	not used
373	Expeditors (4758)
374	Material recording, scheduling, and distributing clerks, n.e.c. (4759)
375-378	Adjusters and Investigators
375	Insurance adjusters, examiners, and investigators (4782)
376	Investigators and adjusters, except insurance (4783)
377	Eligibility clerks, social welfare (4784)
378	Bill and account collectors (4786)
379-389	Miscellaneous Administrative Support Occupations
379	General office clerks (463)
380-382	not used
383	Bank tellers (4791)
384	Proofreaders (4792)
385	Data-entry keyers (4793)
386	Statistical clerks (4794)
387	Teachers aides (4795)
388	not used
389	Administrative support occupations, n.e.c. (4787, 4799)
390-402	not used

<u>Code</u>	<u>Occupation</u>
403-469	SERVICE OCCUPATIONS
403-407	Private Household Occupations
403	Launderers and ironers (503)
404	Cooks, private household (504)
405	Housekeepers and butlers (505)
406	Child care workers, private household (506)
407	Private household cleaners and servants (502, 507, 509)
408-412	not used
413-427	Protective Service Occupations
413-415	Supervisors, Protective Service Occupations
413	Supervisors, firefighting and fire prevention occupations (5111)
414	Supervisors, police and detectives (5112)
415	Supervisors, guards (5113)
416-417	Firefighting and Fire Prevention Occupations
416	Fire inspection and fire prevention occupations (5122)
417	Firefighting occupations (5123)
418-424	Police and Detectives
418	Police and detectives, public service (5132)
419-422	not used
423	Sheriffs, bailiffs, and other law enforcement officers (5134)
424	Correctional institution officers (5133)
425-427	Guards
425	Crossing guards (5142)
426	Guards and police, exc. public service (5144)
427	Protective service occupations, n.e.c. (5149)
428-432	not used
433-469	Service Occupations, Except Protective and Household
433-444	Food Preparation and Service Occupations
433	Supervisors, food preparation and service occupations (5211)
434	Bartenders (5212)
435	Waiters and waitresses (5213)
436	Cooks, except short order (5214)
437	Short-order cooks (5215)
438	Food counter, fountain and related occupations (5216)
439	Kitchen workers, food preparation (5217)
440-442	not used
443	Waiters'/waitresses' assistants (5218)
444	Miscellaneous food preparation occupations (5219)
445-447	Health Service Occupations
445	Dental assistants (5232)
446	Health aides, except nursing (5233)
447	Nursing aides, orderlies, and attendants (5236)
448-455	Cleaning and Building Service Occupations, except Household
448	Supervisors, cleaning and building service workers (5241)
449	Maids and housemen (5242, 5249)
450-452	not used
453	Janitors and cleaners (5244)
454	Elevator operators (5245)
455	Pest control occupations (5246)

<u>Code</u>	<u>Occupation</u>
456-469	Personal Service Occupations
456	Supervisors, personal service occupations (5251)
457	Barbers (5252)
458	Hairdressers and cosmetologists (5253)
459	Attendants, amusement and recreation facilities (5254)
460-462	not used
463	Guides (5255)
464	Ushers (5256)
465	Public transportation attendants (5257)
466	Baggage porters and bellhops (5262)
467	Welfare service aides (5263)
468	Child care workers, except private household (5264)
469	Personal service occupations, n.e.c. (5258, 5269)
470-472	not used
473-499	FARMING, FORESTRY, AND FISHING OCCUPATIONS
473-476	Farm Operators and Managers
473	Farmers, except horticultural (5512-5514)
474	Horticultural specialty farmers (5515)
475	Managers, farms, except horticultural (5522-5524)
476	Managers, horticultural specialty farms (5525)
477-489	Other Agricultural and Related Occupations
477-484	Farm Occupations, Except Managerial
477	Supervisors, farm workers (5611)
478	not used
479	Farm workers (5612-5617)
480-482	not used
483	Marine life cultivation workers (5618)
484	Nursery workers (5619)
485-489	Related Agricultural Occupations
485	Supervisors, related agricultural occupations (5621)
486	Groundskeepers and gardeners, except farm (5622)
487	Animal caretakers, except farm (5624)
488	Graders and sorters, agricultural products (5625)
489	Inspectors, agricultural products (5627)
490-493	not used
494-496	Forestry and Logging Occupations
494	Supervisors, forestry and logging workers (571)
495	Forestry workers, except logging (572)
496	Timber cutting and logging occupations (573, 579)
497-499	Fishers, Hunters, and Trappers
497	Captains and other officers, fishing vessels (pt 8241)
498	Fishers (583)
499	Hunters and trappers (584)
500-502	not used

<u>Code</u>	<u>Occupation</u>
503-699	PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS
503-549	Mechanics and Repairers
503	Supervisors, mechanics and repairers (60)
504	not used
505-549	Mechanics and Repairers, Except Supervisors
505-517	Vehicle and Mobile Equipment Mechanics and Repairers
505	Automobile mechanics (pt 6111)
506	Automobile mechanic apprentices (pt 6111)
507	Bus, truck, and stationary engine mechanics (6112)
508	Aircraft engine mechanics (6113)
509	Small engine repairers (6114)
510-513	not used
514	Automobile body and related repairers (6115)
515	Aircraft mechanics, exc. engine (6116)
516	Heavy equipment mechanics (6117)
517	Farm equipment mechanics (6118)
518	Industrial machinery repairers (613)
519	Machinery maintenance occupations (614)
520-522	not used
523-533	Electrical and Electronic Equipment Repairers
523	Electronic repairers, communications and industrial equipment (6151, 6153, 6155)
524	not used
525	Data processing equipment repairers (6154)
526	Household appliance and power tool repairers (6156)
527	Telephone line installers and repairers (6157)
528	not used
529	Telephone installers and repairers (6158)
530-532	not used
533	Miscellaneous electrical and electronic equipment repairers (6152, 6159)
534	Heating, air conditioning, and refrigeration mechanics (616)
535-549	Miscellaneous Mechanics and Repairers
535	Camera, watch, and musical instrument repairers (6171, 6172)
536	Locksmiths and safe repairers (6173)
537	not used
538	Office machine repairers (6174)
539	Mechanical controls and valve repairers (6175)
540-542	not used
543	Elevator installers and repairers (6176)
544	Millwrights (6178)
545-546	not used
547	Specified mechanics and repairers, n.e.c. (6177, 6179)
548	not used
549	Not specified mechanics and repairers
550-552	not used
553-599	Construction Trades
553-558	Supervisors, construction occupations
553	Supervisors; brickmasons, stonemasons, and tile setters (6312)
554	Supervisors, carpenters and related workers (6313)
555	Supervisors, electricians and power transmission installers (6134)
556	Supervisors; painters, paperhangers, and plasterers (6315)

<u>Code</u>	<u>Occupation</u>
557	Supervisors; plumbers, pipefitters, and steamfitters (6316)
558	Supervisors, n.e.c. (6311, 6318)
559-562	not used
563-599	Construction Trades, Except Supervisors
563	Brickmasons and stonemasons (pt 6412, pt 6413)
564	Brickmason and stonemason apprentices (pt 6412, pt 6413)
565	Tile setters, hard and soft (6414, pt 6462)
566	Carpet installers (pt 6462)
567	Carpenters (pt 6422)
568	not used
569	Carpenter apprentices (pt 6422)
570-572	not used
573	Drywall installers (6424)
574	not used
575	Electricians (pt 6432)
576	Electrician apprentices (pt 6432)
577	Electrical power installers and repairers (6433)
578	not used
579	Painters, construction and maintenance (6442)
580-582	not used
583	Paperhangers (6443)
584	Plasterers (6444)
585	Plumbers, pipefitters, and steamfitters (pt 645)
586	not used
587	Plumber, pipefitter, and steamfitter apprentices (pt 645)
588	Concrete and terrazzo finishers (6463)
589	Glaziers (6464)
590-592	not used
593	Insulation workers (6465)
594	Paving, surfacing, and tamping equipment operators (6466)
595	Roofers (6468)
596	Sheetmetal duct installers (6472)
597	Structural metal workers (6473)
598	Drillers, earth (6474)
599	Construction trades, n.e.c. (6467, 6475, 6476, 6479)
600-612	not used
613-617	Extractive Occupations
613	Supervisors, extractive occupations (632)
614	Drillers, oil well (652)
615	Explosives workers (653)
616	Mining machine operators (654)
617	Mining occupations, n.e.c. (656)
618-632	not used
633-699	Precision Production Occupations
633	Supervisors, production occupations (67, 71)
634-635	Precision Metal Working Occupations
634	Tool and die makers (pt 6811)
635	Tool and die maker apprentices (pt 6811)
636	Precision assemblers, metal (6812)
637	Machinists (pt 6813)

<u>Code</u>	<u>Occupation</u>
638	not used
639	Machinist apprentices (pt 6813)
640-642	not used
643	Boilermakers (6814)
644	Precision grinders, filers, and tool sharpeners (6816)
645	Pattermakers and model makers, metal (6817)
646	Lay-out workers (6821)
647	Precious stones and metals workers (jewelers) (6822, 6866)
648	not used
649	Engravers, metal (6823)
650-652	not used
653	Sheet metal workers (pt 6824)
654	Sheet metal worker apprentices (pt 6824)
655	Miscellaneous precision metal workers (6829)
656-659	Precision Woodworking Occupations
656	Pattermakers and model makers, wood (6831)
657	Cabinet makers and bench carpenters (6832)
658	Furniture and wood finishers (6835)
659	Miscellaneous precision woodworkers (6839)
660-665	not used
666-674	Precision Textile, Apparel, and Furnishings Machine Workers
666	Dressmakers (pt 6852, pt 7752)
667	Tailors (pt 6852)
668	Upholsterers (6853)
669	Shoe repairers (6854)
670-672	not used
673	Apparel and fabric pattermakers (6856)
674	Miscellaneous precision apparel and fabric workers (6859, pt 7752)
675-684	Precision Workers, Assorted Materials
675	Hand molders and shapers, except jewelers (6861)
676	Pattermakers, lay-out workers, and cutters (6862)
677	Optical goods workers (6864, pt 7477, pt 7677)
678	Dental laboratory and medical appliance technicians (6865)
679	Bookbinders (6844)
680-682	not used
683	Electrical and electronic equipment assemblers (6867)
684	Miscellaneous precision workers, n.e.c. (6869)
685	not used
686-688	Precision Food Production Occupations
686	Butchers and meat cutters (6871)
687	Bakers (6872)
688	Food batchmakers (6873, 6879)
689-693	Precision Inspectors, Testers, and Related Workers
689	Inspectors, testers, and graders (6881, 828)
690-692	not used
693	Adjusters and calibrators (6882)
694-699	Plant and System Operators
694	Water and sewage treatment plant operators (691)
695	Power plant operators (pt 693)
696	Stationary engineers (pt 693, 7668)
697-698	not used
699	Miscellaneous plant and system operators (692, 694, 695, 696)
700-702	not used

<u>Code</u>	<u>Occupation</u>
703-889	OPERATORS, FABRICATORS, AND LABORERS
703-799	Machine Operators, Assemblers, and Inspectors
703-779	Machine Operators and Tenders, except Precision
703-715	Metalworking and Plastic Working Machine Operators
703	Lathe and turning machine set-up operators (7312)
704	Lathe and turning machine operators (7512)
705	Milling and planing machine operators (7313, 7513)
706	Punching and stamping press machine operators (7314, 7317, 7514, 7517)
707	Rolling machine operators (7316, 7516)
708	Drilling and boring machine operators (7318, 7518)
709	Grinding, abrading, buffing, and polishing machine operators (7322, 7324, 7522)
710-712	not used
713	Forging machine operators (7319, 7519)
714	Numerical control machine operators (7326)
715	Miscellaneous metal, plastic, stone, and glass working machine operators (7329, 7529)
716	not used
717	Fabricating machine operators, n.e.c. (7339, 7539)
718	not used
719-725	Metal and Plastic Processing Machine Operators
719	Molding and casting machine operators (7315, 7342, 7515, 7542)
720-722	not used
723	Metal plating machine operators (7343, 7543)
724	Heat treating equipment operators (7344, 7544)
725	Miscellaneous metal and plastic processing machine operators (7349, 7549)
726-733	Woodworking Machine Operators
726	Wood lathe, routing, and planing machine operators (7431, 7432, 7631, 7632)
727	Sawing machine operators (7433, 7633)
728	Shaping and joining machine operators (7435, 7635)
729	Nail and tacking machine operators (7636)
730-732	not used
733	Miscellaneous woodworking machine operators (7434, 7439, 7634, 7639)
734-737	Printing Machine Operators
734	Printing machine operators (7443, 7643)
735	Photoengravers and lithographers (6842, 7444, 7644)
736	Typesetters and compositors (6841, 7642)
737	Miscellaneous printing machine operators (6849, 7449, 7649)
738-749	Textile, Apparel, and Furnishings Machine Operators
738	Winding and twisting machine operators (7451, 7651)
739	Knitting, looping, taping, and weaving machine operators (7452, 7652)
740-742	not used
743	Textile cutting machine operators (7654)
744	Textile sewing machine operators (7655)
745	Shoe machine operators (7656)
746	not used
747	Pressing machine operators (7657)

<u>Code</u>	<u>Occupation</u>
748	Laundering and dry cleaning machine operators (6855, 7658)
749	Miscellaneous textile machine operators (7459, 7659)
750-752	not used
753-779	Machine Operators, Assorted Materials
753	Cementing and gluing machine operators (7661)
754	Packaging and filling machine operators (7462, 7662)
755	Extruding and forming machine operators (7463, 7663)
756	Mixing and blending machine operators (7664)
757	Separating, filtering, and clarifying machine operators (7476, 7666, 7676)
758	Compressing and compacting machine operators (7467, 7667)
759	Painting and paint spraying machine operators (7669)
760-762	not used
763	Roasting and baking machine operators, food (7472, 7672)
764	Washing, cleaning, and pickling machine operators (7673)
765	Folding machine operators (7474, 7674)
766	Furnace, kiln, and oven operators, exc. food (7675)
767	not used
768	Crushing and grinding machine operators (pt 7477, pt 7677)
769	Slicing and cutting machine operators (7478, 7678)
770-772	not used
773	Motion picture projectionists (pt 7479)
774	Photographic process machine operators (6863, 6868, 7671)
775-776	not used
777	Miscellaneous machine operators, n.e.c. (pt 7479, 7665, 7679)
778	not used
779	Machine operators, not specified
780-782	not used
783-795	Fabricators, Assemblers, and Hand Working Occupations
783	Welders and cutters (7332, 7532, 7714)
784	Solderers and brazers (7333, 7533, 7717)
785	Assemblers (772, 774)
786	Hand cutting and trimming occupations (7753)
787	Hand molding, casting, and forming occupations (7754, 7755)
788	not used
789	Hand painting, coating, and decorating occupations (7756)
790-792	not used
793	Hand engraving and printing occupations (7757)
794	Hand grinding and polishing occupations (7758)
795	Miscellaneous hand working occupations (7759)
796-799	Production Inspectors, Testers, Samplers, and Weighers
796	Production inspectors, checkers, and examiners (782, 787)
797	Production tasters (783)
798	Production samplers and weighers (784)
799	Graders and sorters, exc. agricultural (785)
800-802	not used
803-859	Transportation and Material Moving Occupations
803-814	Motor Vehicle Operators
803	Supervisors, motor vehicle operators (8111)
804	Truck drivers, heavy (8212, 8213)
805	Truck drivers, light (8214)

<u>Code</u>	<u>Occupation</u>
806	Driver-sales workers (8218)
807	not used
808	Bus drivers (8215)
809	Taxicab drivers and chauffeurs (8216)
810-812	not used
813	Parking lot attendants (874)
814	Motor transportation occupations, n.e.c. (8219)
815-822	not used
823-834	Transportation Occupations, Except Motor Vehicles
823-826	Rail Transportation Occupations
823	Railroad conductors and yardmasters (8113)
824	Locomotive operating occupations (8232)
825	Railroad brake, signal, and switch operators (8233)
826	Rail vehicle operators, n.e.c. (8239)
827	not used
828-834	Water Transportation Occupations
828	Ship captains and mates, except fishing boats (pt 8241, 8242)
829	Sailors and deckhands (8243)
830-832	not used
833	Marine engineers (8244)
834	Bridge, lock, and lighthouse tenders (8245)
835-842	not used
843-859	Material Moving Equipment Operators
843	Supervisors, material moving equipment operators (812)
844	Operating engineers (8312)
845	Longshore equipment operators (8313)
846-847	not used
848	Hoist and winch operators (8314)
849	Crane and tower operators (8315)
850-852	not used
853	Excavating and loading machine operators (8316)
854	not used
855	Grader, dozer, and scraper operators (8317)
856	Industrial truck and tractor equipment operators (8318)
857-858	not used
859	Miscellaneous material moving equipment operators (8319)
860-862	not used
863-889	Handlers, Equipment Cleaners, Helpers, and Laborers
863	Supervisors, handlers, equipment cleaners, and laborers, n.e.c. (85)
864	Helpers, mechanics and repairers (863)
865-867	Helpers, Construction and Extractive Occupations
865	Helpers, construction trades (8641-8645, 8648)
866	Helpers, surveyor (8646)
867	Helpers, extractive occupations (865)
868	not used
869	Construction laborers (871)
870-872	not used
873	Production helpers (861, 862)
874	not used

APPENDIX 1--SPECIFIC METROPOLITAN IDENTIFIERS

The specific metropolitan identifiers on this file are based on OMB's June 30, 1984 definitions and are ranked according to Census Bureau population estimates for July 1, 1983. Identification of MSA's and CMSA's is based solely on the CMSA/MSA rank code (see list 1). Identification of PMSA's and individual central cities, however, is based on a combination of codes (see lists 2 and 3 respectively). PMSA's are identified by a combination of the specific CMSA rank code and the appropriate PMSA rank code. Similarly, individual central cities are identified by the appropriate central city code, the CMSA/MSA rank code, and, if necessary, the PMSA rank code. Some examples of the proper coding of specific metropolitan areas are given below.

AREA	CODES NEEDED TO IDENTIFY		
	CMSA/ MSA RANK <u>(W25:1-3)</u> List 1	PMSA RANK CODE <u>(W25:4-5)</u> List 2	INDIVIDUAL CENTRAL CITY CODE <u>(W25:6)</u> List 3
Dallas-Fort Worth, TX CMSA	010	N/C	N/C
Fort Worth-Arlington, TX PMSA	010	02	N/C
Fort Worth, TX Central City	010	02	1
Phoenix, AZ MSA	023	N/C	N/C
Mesa, AZ Central City	023	N/C	2
Burlington, VT MSA	224	N/C	N/C

N/C = No Code Required

Listings of the codes for these three variables follows.

LIST 1:CMSA/MSA 1983 RANK CODES (W25:1-3)

CMSA/MSA

RANK CODE	CMSA/MSA TITLE
001	New York-N. New Jersey-Long Island, NY-NJ-CT CMSA
002	Los Angeles-Anaheim-Riverside, CA CMSA
003	Chicago-Gary-Lake County, IL-IN-WI CMSA (Wisconsin portion not in sample)
004	Philadelphia-Wilmington-Trenton, PA-NJ-DE-MD CMSA (Maryland portion suppressed)
005	San Francisco-Oakland-San Jose, CA CMSA
006	Detroit-Ann Arbor, MI CMSA
007	Boston-Lawrence-Salem, MA-NH CMSA
008	Houston-Galveston-Brazoria, TX CMSA
009	Washington, DC-MD-VA MSA
010	Dallas-Fort Worth, TX CMSA
011	Cleveland-Akron-Lorain, OH CMSA
012	Miami-Fort Lauderdale, FL CMSA
013	Pittsburgh-Beaver Valley, PA CMSA
014	St. Louis, MO-IL CMSA
015	Atlanta, GA MSA
016	Baltimore, MD MSA
017	Minneapolis-St. Paul, MN-WI MSA (Wisconsin portion not identified)
018	Seattle-Tacoma, WA CMSA
019	San Diego, CA MSA
020	Tampa-St. Petersburg-Clearwater, FL MSA
021	Denver-Boulder, CO CMSA
022	Cincinnati-Hamilton, OH-KY-IN CMSA (Indiana portion not identified)
023	Phoenix, AZ MSA
024	Milwaukee-Racine, WI CMSA
025	Kansas City, MO-KS MSA
026	Portland-Vancouver, OR-WA CMSA
027	New Orleans, LA MSA
028	Columbus, OH MSA

029 Norfolk-Virginia Beach-Newport News, VA MSA
 030 Buffalo-Niagara Falls, NY CMSA
 031 Sacramento, CA MSA
 032 Indianapolis, IN MSA
 033 San Antonio, TX MSA
 034 Providence-Pawtucket-Fall River, RI-MA CMSA
 035 Charlotte-Gastonia-Rock Hill, NC-SC MSA
 036 Hartford-New Britain-Middletown, CT CMSA
 037 Salt Lake City-Ogden, UT MSA
 038 Rochester, NY MSA
 039 Oklahoma City, OK MSA
 040 Louisville, KY-IN MSA
 041 Dayton-Springfield, OH MSA
 042 Memphis, TN-AR-MS MSA (Arkansas and Mississippi portions not identified)
 043 Birmingham, AL MSA
 044 Nashville, TN MSA
 045 Greensboro-Winston-Salem-High Point, NC MSA
 046 Albany-Schenectady-Troy, NY MSA
 047 Honolulu, HI MSA
 048 Orlando, FL MSA
 049 Richmond-Petersburg, VA MSA (Dinwiddie and Prince George counties and
 Colonial Heights, Hopewell, and Petersburg
 cities not in sample)

 050 Jacksonville, FL MSA
 051 Scranton-Wilkes Barre, PA MSA (Monroe county not in sample)
 052 Tulsa, OK MSA
 053 West Palm Beach-Boca Raton-Delray Beach, FL MSA
 054 Syracuse, NY MSA
 055 Allentown-Bethlehem, PA-NJ MSA (New Jersey portion not identified)
 056 Austin, TX MSA
 057 Grand Rapids, MI MSA
 058 Toledo, OH MSA
 059 Omaha, NE-IA MSA (Iowa portion not identified)
 060 Raleigh-Durham, NC MSA
 061 Greenville-Spartanburg, SC MSA
 062 Knoxville, TN MSA
 063 Tucson, AZ MSA
 064 Harrisburg-Lebanon-Carlisle, PA MSA (Lebanon county not in sample)

065 Fresno, CA MSA
 066 Baton Rouge, LA MSA
 067 Youngstown-Warren, OH MSA
 068 Las Vegas, NV MSA
 069 Springfield, MA MSA
 070 El Paso, TX MSA
 071 New Haven-Meriden, CT MSA
 072 Little Rock-North Little Rock, AK MSA
 073 Charleston, SC MSA
 074 Mobile, AL MSA (Baldwin county not in sample)
 075 Bakersfield, CA MSA
 076 Johnson City-Kingsport-Bristol, TN-VA MSA (Virginia portion not identified)
 077 Flint, MI MSA
 078 Albuquerque, NM MSA
 079 Wichita, KA MSA
 080 Columbia, SC MSA
 081 Chattanooga, TN-GA MSA (Marion and Sequatchie counties Tennessee not in sample)
 082 Saginaw-Bay City-Midland, MI MSA
 083 Lansing-East Lansing, MI MSA
 084 Worcester, MA MSA
 085 Canton, OH MSA
 086 Beaumont-Port Arthur, TX MSA
 087 York, PA MSA
 088 Davenport-Rock Island-Moline, IA-IL MSA
 089 Stockton, CA MSA
 090 Des Moines, IA MSA (Dallas county not in sample)
 091 Lancaster, PA MSA
 092 Jackson, MS MSA
 093 Peoria, IL MSA
 094 Augusta, GA-SC MSA
 095 Corpus Christi, TX MSA
 096 Shreveport, LA MSA
 097 Fort Wayne, IN MSA
 098 Spokane, WA MSA
 099 Lakeland-Winter Haven, FL MSA
 100 Colorado Springs, CO MSA

138 Lubbock, TX MSA
 139 Lafayette, LA MSA
 140 Killeen-Temple, TX MSA
 141 Springfield, MO MSA
 142 Kalamazoo, MI MSA
 143 Anchorage, AK MSA
 144 Reno, NV MSA (Central City portion only identified)
 145 Hickory, NC MSA
 146 Huntsville, AL MSA
 147 Waterbury, CT MSA
 148 Tallahassee, FL MSA
 149 Portsmouth-Dover-Rochester, NH-ME MSA (Maine portion not entirely
 in sample and it is not identified)
 150 Portland, ME MSA
 151 Lincoln, NE MSA
 152 Biloxi-Gulfport, MS MSA
 153 Houma-Thibodaux, LA MSA
 154 Springfield, IL MSA
 156 Boise City, ID MSA
 157 Gainesville, FL MSA
 158 Wheeling, WV-OH MSA (Ohio portion not identified)
 161 Waco, TX MSA
 163 Lake Charles, LA MSA
 164 Cedar Rapids, IA MSA
 165 New Bedford, MA MSA
 166 Champaign-Urbana-Rantoul, IL MSA
 169 Fort Smith, AR-OK MSA (Oklahoma portion not in sample)
 170 Bradenton, FL MSA
 171 Asheville, NC MSA
 172 Benton Harbor, MI MSA
 173 Waterloo-Cedar Falls, IA MSA
 174 Fort Collins-Loveland, CO MSA
 178 Topeka, KA MSA (Central City portion only identified)
 179 Chico, CA MSA
 180 Muskegon, MI MSA
 181 Lima, OH MSA
 184 Ocala, FL MSA
 185 Jackson, MI MSA

186 Monroe, LA MSA
192 Tuscaloosa, AL MSA
193 Battle Creek, MI MSA
194 Anderson, SC MSA
197 Olympia, WA MSA
198 Terre Haute, IN MSA
199 Florence, AL MSA
201 Altoona, PA MSA
202 Anderson, IN MSA
203 Manchester, NH MSA
204 Medford, OR MSA
207 Joplin, MO MSA
209 Mansfield, OH MSA
211 Sharon, PA MSA
216 Pueblo, CO MSA
219 Lawton, OK MSA
221 Bloomington-Normal, IL MSA
222 Fort Walton Beach, FL MSA
224 Burlington, VT MSA
225 Williamsport, PA MSA
226 Sioux City, IA-NE MSA (Nebraska portion not in sample)
231 Sioux Falls, SD MSA
233 Florence, SC MSA
240 Bellingham, WA MSA
242 Yuba City, CA MSA
246 Columbia, MO MSA
247 Gadsden, AL MSA
248 Fayetteville-Springdale, AK MSA
252 Kankakee, IL MSA

LIST 2: PMSA 1983 RANK CODES (W25:4-5) Note: The PMSA Rank is assigned based on a PMSA's population when compared to other PMSA's within the parent CMSA.

CMSA RANK CODE	PMSA RANK CODE	PMSA TITLE
001	01	New York, NY
	02	Nassau-Suffolk, NY
	03	Newark, NJ
	04	Bergen-Passaic, NJ
	05	Middlesex-Somerset-Hunterdon, NJ
	06	Monmouth-Ocean, NJ
	07	Jersey City, NJ
	08	Bridgeport-Milford, CT
	09	Orange County, NY
	10	Stamford, CT
	11	Danbury, CT
	12	Norwalk, CT
002	01	Los Angeles-Long Beach, CA
	02	Anaheim-Santa Ana, CA
	03	Riverside-San Bernardino, CA
	04	Oxnard-Ventura, CA
003	01	Chicago, IL
	02	Gary-Hammond, IN
	03	Lake County, IL
	04	Joliet, IL
	05	Aurora-Elgin, IL
004	01	Philadelphia, PA-NJ
	02	Wilmington, DE-NJ-MD (New Jersey and Maryland portic not identified)
	03	Trenton, NJ

005	01	Oakland, CA
	02	San Francisco, CA
	03	San Jose, CA
	04	Vallejo-Fairfield-Napa, CA
	05	Santa Rosa-Petaluma, CA
	06	Santa Cruz, CA
006	01	Detroit, MI
	02	Ann Arbor, MI
007	01	Boston, MA
	02	Lawrence-Haverill, MA-NH (New Hampshire portion not identified)
	03	Salem-Gloucester, MA
	04	Lowell, MA-NH (New Hampshire portion not identified)
	05	Brockton, MA
008	01	Houston, TX
	02	Galveston-Texas City, TX
	03	Brazoria, TX
010	01	Dallas, TX
	02	Fort Worth-Arlington, TX
011	01	Cleveland, OH
	02	Akron, OH
	03	Lorain-Elyria, OH
012	01	Miami-Hialeah, FL
	02	Fort Lauderdale-Hollywood-Pompano Beach, FL
013	01	Pittsburgh, PA
	02	Beaver County, PA
014	01	St. Louis, MO-IL (Illinois portion not identified)
018	01	Seattle, WA
	02	Tacoma, WA
021	01	Denver, CO
	02	Boulder-Longmont, CO
022	01	Cincinnati, OH-KY-IN (Indiana portion not identified)
	02	Hamilton-Middletown, OH
024	01	Milwaukee, WI
	02	Racine, WI

026	01	Portland, OR
	02	Vancouver, WA
030	01	Buffalo, NY
	02	Niagara Falls, NY
034	01	Providence, RI
	02	Pawtuckett-Woonsocket-Attleboro, RI-MA (Rhode Island Central City portion only identified)
036	01	Hartford, CT
	02	New Britain, CT

LIST 3: INDIVIDUAL CENTRAL CITY CODES (W25:6)

CMSA/MSA RANK CODE (W25:1-3)	PMSA RANK CODE (W25:4-5)	INDIVIDUAL CENTRAL CITY CITY CODE (W25:6)	CITY
001	03	1	Newark, NJ
		2	Elizabeth, NJ
002	01	1	Los Angeles, CA
		2	Long Beach, CA
		3	Pasadena, CA
	0	Others	
	02	1	Anaheim, CA
		2	Santa Ana, CA
	03	1	Riverside, CA
0		Others	
003	01	1	Chicago, IL
		0	Others
	02	1	Gary, IN
005	01	0	Others
		1	Oakland, CA
006	01	0	Others
		1	Detroit, MI
007	01	0	Others
		1	Boston, MA
010	01	0	Others
		1	Dallas, TX
	02	1	Fort Worth, TX
		2	Arlington, TX
012	01	0	Others
		1	Miami, FL
	02	1	Fort Lauderdale, FL
		0	Others

017	-	1	Minneapolis, MN
		0	Others
020	-	1	Tampa, FL
		0	Others
023	-	1	Phoenix, AZ
		2	Mesa, AZ
		0	Others
029	-	1	Norfolk, VA
		2	Virginia Beach, VA
		3	Newport News, VA
		4	Hampton, VA
		0	Others
045	-	1	Greensboro, NC
		0	Others
046	-	1	Albany, NY
		0	Others
060	-	1	Raleigh, NC
		0	Others
069	-	1	Springfield, MA
		0	Others

APPENDIX 2--TOPCODING OF USUAL HOURLY EARNINGS

This variable will be topcoded based on an individual's usual hours worked variable, if the individual's edited usual weekly earnings variable is \$999. The topcode is computed such that the product of usual hours times usual hourly earnings does not exceed an annualized wage of \$100,000 (\$1923.07 per week). Below is a list of the appropriate topcodes.


Hours	Topcode		
		50	\$38.46
1	None	51	\$37.70
2	None	52	\$36.98
3	None	53	\$36.28
4	None	54	\$35.61
5	None	55	\$34.96
6	None	56	\$34.34
7	None	57	\$33.73
8	None	58	\$33.15
9	None	59	\$32.59
10	None	60	\$32.05
11	None	61	\$31.52
12	None	62	\$31.01
13	None	63	\$30.52
14	None	64	\$30.04
15	None	65	\$29.58
16	None	66	\$29.13
17	None	67	\$28.70
18	None	68	\$28.28
19	None	69	\$27.87
20	\$96.15	70	\$27.47
21	\$91.57	71	\$27.08
22	\$87.41	72	\$26.70
23	\$83.61	73	\$26.34
24	\$80.12	74	\$25.98
25	\$76.92	75	\$25.64
26	\$73.96	76	\$25.30
27	\$71.22	77	\$24.97
28	\$68.68	78	\$24.65
29	\$66.31	79	\$24.34
30	\$64.10	80	\$24.03
31	\$62.03	81	\$23.74
32	\$60.09	82	\$23.45
33	\$58.27	83	\$23.16
34	\$56.56	84	\$22.89
35	\$54.94	85	\$22.62
36	\$53.41	86	\$22.36
37	\$51.97	87	\$22.10
38	\$50.60	88	\$21.85
39	\$49.30	89	\$21.60
40	\$48.07	90	\$21.36
41	\$46.90	91	\$21.13
42	\$45.78	92	\$20.90
43	\$44.72	93	\$20.67
44	\$43.70	94	\$20.45
45	\$42.73	95	\$20.24
46	\$41.80	96	\$20.03
47	\$40.91	97	\$19.82
48	\$40.06	98	\$19.62
49	\$39.24	99	\$19.42

Attachment 16

UNWEIGHTED AND WEIGHTED COUNTS

TOTAL INTERVIEWS (CIVILIAN ONLY)	UNWEIGHTED	WEIGHTED (1000'S)
WHITE		
MALE		
<14	13390	20054
14+	48941	77157
FEMALE		
<14	12707	19035
14+	53931	83669
BLACK		
MALE		
<14	2208	3750
14+	5105	9453
FEMALE		
<14	2148	3656
14+	6860	11509
OTHER		
MALE		
<14	725	925
14+	1898	2534
FEMALE		
<14	709	902
14+	2098	2767
TOTAL RECORDS	UNWEIGHTED	WEIGHTED (1000'S)
TOT RECORDS	165360	235411
INTERVIEWS	150720	235411
<14	31887	48321
14+	118833	187090
ARMED FORCES	640	850
TYPE A	2846	0
TYPE B/C	11154	0

QUESTIONNAIRE FACSIMILE

INTERVIEWER CHECK ITEM Only CPS-1 for household <input type="checkbox"/> First CPS-1 of continuation h'hold..... <input type="checkbox"/> Second CPS-1 of continuation h'hold..... <input type="checkbox"/> Third, fourth, and 5th CPS-1..... <input type="checkbox"/>	FORM CPS-1  U.S. DEPARTMENT OF COMMERCE Bureau of the Census <h2 style="text-align: center;">CURRENT POPULATION SURVEY</h2> Form Approved - O.M.B. No. 0607-0049 Foedle 26.1:1	CONTROL NUMBER <table border="1" style="width: 100%; height: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;"></td> <td style="width: 33%;"></td> <td style="width: 33%;"></td> </tr> <tr> <td style="text-align: center;">PSU</td> <td style="text-align: center;">SEGMENT</td> <td style="text-align: center;">SERIAL</td> </tr> </table>				PSU	SEGMENT	SERIAL
PSU	SEGMENT	SERIAL						

LINE NO. OF H'HOLD RESP. _____

NON H'HOLD RESPONDENT
(Specify and Send Intercomm)

INTERVIEW
ANY ENTRY OTHER THAN (Yes
NEVER WORKED IN ITEMS
23A-E in this CPS-1 (No
NONINTERVIEW
 TYPE A
 TYPE B
 TYPE C
(SEND INTER COMM)

CURRENT

TELEPHONE HOLD
(Mark this box for office "telephone hold" cases only)

POPULATION

SURVEY

JANUARY 1986

CHILDREN'S (0-13 years old) TRANSCRIPTION ITEMS
(If more than 4 children in household, use continuation CPS-1 document.)

FIRST CHILD					
18A. LINE NO.	18B. RELATIONSHIP TO REFERENCE PERSON (Control Card Item 14b)	18C. PARENT'S LINE NUMBER	18D. AGE	18G1. SEX Male 0 Female ... 0	18K. ORIGIN
0 0	Own Child..... 0	0 0	1 1		1 1
1 1	Brother/Sister..... 0	0 0	2 2		2 2
2 2	Other relative of Reference Person 0	1 1	3 3		3 3
3 3	Non-rel. of Reference Person—WITH OWN RELS. in household..... 0	2 2	4 4		4 4
4 4	Non-rel. of Reference Person—NO OWN rels. in household..... 0	3 3	5 5		5 5
5 5		4 4	6 6		6 6
6 6		5 5	7 7		7 7
7 7		6 6	8 8		8 8
8 8		7 7	9 9		9 9
9 9		None 9			
		0			

SECOND CHILD					
18A. LINE NO.	18B. RELATIONSHIP TO REFERENCE PERSON (Control Card Item 14b)	18C. PARENT'S LINE NUMBER	18D. AGE	18G1. SEX Male 0 Female ... 0	18K. ORIGIN
0 0	Own Child..... 0	0 0	1 1		1 1
1 1	Brother/Sister..... 0	0 0	2 2		2 2
2 2	Other relative of Reference Person 0	1 1	3 3		3 3
3 3	Non-rel. of Reference Person—WITH OWN RELS. in household..... 0	2 2	4 4		4 4
4 4	Non-rel. of Reference Person—NO OWN rels. in household..... 0	3 3	5 5		5 5
5 5		4 4	6 6		6 6
6 6		5 5	7 7		7 7
7 7		6 6	8 8		8 8
8 8		7 7	9 9		9 9
9 9		None 9			
		0			

THIRD CHILD					
18A. LINE NO.	18B. RELATIONSHIP TO REFERENCE PERSON (Control Card Item 14b)	18C. PARENT'S LINE NUMBER	18D. AGE	18G1. SEX Male 0 Female ... 0	18K. ORIGIN
0 0	Own Child..... 0	0 0	1 1		1 1
1 1	Brother/Sister..... 0	0 0	2 2		2 2
2 2	Other relative of Reference Person 0	1 1	3 3		3 3
3 3	Non-rel. of Reference Person—WITH OWN RELS. in household..... 0	2 2	4 4		4 4
4 4	Non-rel. of Reference Person—NO OWN rels. in household..... 0	3 3	5 5		5 5
5 5		4 4	6 6		6 6
6 6		5 5	7 7		7 7
7 7		6 6	8 8		8 8
8 8		7 7	9 9		9 9
9 9		None 9			
		0			

FOURTH CHILD					
18A. LINE NO.	18B. RELATIONSHIP TO REFERENCE PERSON (Control Card Item 14b)	18C. PARENT'S LINE NUMBER	18D. AGE	18G1. SEX Male 0 Female ... 0	18K. ORIGIN
0 0	Own Child..... 0	0 0	1 1		1 1
1 1	Brother/Sister..... 0	0 0	2 2		2 2
2 2	Other relative of Reference Person 0	1 1	3 3		3 3
3 3	Non-rel. of Reference Person—WITH OWN RELS. in household..... 0	2 2	4 4		4 4
4 4	Non-rel. of Reference Person—NO OWN rels. in household..... 0	3 3	5 5		5 5
5 5		4 4	6 6		6 6
6 6		5 5	7 7		7 7
7 7		6 6	8 8		8 8
8 8		7 7	9 9		9 9
9 9		None 9			
		0			

ARMED FORCES MEMBERS TRANSCRIPTION ITEMS
(Fill only in interview households for persons with "AF" in CC item 22.
If more than 2 AF persons in household, use continuation CPS-1 document.)

FIRST ARMED FORCES MEMBER				
18A. LINE NO.	18B. RELATIONSHIP TO REFERENCE PERSON Reference Person WITH other relatives in household..... 0 Reference Person with NO other relatives in household 0	18C. PARENT'S LINE NUMBER	18D. AGE	18E. MARITAL STATUS Married—civilian spouse present.... 0 Married—Armed Forces spouse present.... 0 Married—spouse absent (Exclude separated) 0 Widowed..... 0 Divorced..... 0 Separated..... 0 Never married..... 0
0 0		0 0	0	
1 1		1 1	1 1	
2 2		2 2	2 2	
3 3		3 3	3 3	
4 4		4 4	4 4	
5 5		5 5	5 5	
6 6		6 6	6 6	
7 7		7 7	7 7	
8 8		8 8	8 8	
9 9		9 9	9 9	
		None 9		
		0		

18F. SPOUSE'S LINE NO.	18G1. SEX Male 0 Female 0	18H. HIGHEST GRADE ATTENDED E H C I I I 2 2 2 3 3 3 4 4 4 5 5 5 6 6 6 7 7 7 8 8 8 None 9	18I. GRADE COMPLETED Yes 0 No 0	18J. RACE 1. White..... 0 2. Black..... 0 3. Amer. Indian, Aleut, Eskimo 0 4. Asian or Pacific Isl. 0 5. Other..... 0	18K. ORIGIN 0 0 1 1 2 2 3 3 4 4 5 5 6 6 7 7 8 8 9 9
0 0					
1 1					
2 2					
3 3					
4 4					
5 5					
6 6					
7 7					
8 8					
9 9					
None 9					
0					

SECOND ARMED FORCES MEMBER				
18A. LINE NO.	18B. RELATIONSHIP TO REFERENCE PERSON Reference Person WITH other relatives in household..... 0 Reference Person with NO other relatives in household 0	18C. PARENT'S LINE NUMBER	18D. AGE	18E. MARITAL STATUS Married—civilian spouse present.... 0 Married—Armed Forces spouse present.... 0 Married—spouse absent (Exclude separated) 0 Widowed..... 0 Divorced..... 0 Separated..... 0 Never married..... 0
0 0		0 0	0	
1 1		1 1	1 1	
2 2		2 2	2 2	
3 3		3 3	3 3	
4 4		4 4	4 4	
5 5		5 5	5 5	
6 6		6 6	6 6	
7 7		7 7	7 7	
8 8		8 8	8 8	
9 9		9 9	9 9	
		None 9		
		0		

18F. SPOUSE'S LINE NO.	18G1. SEX Male 0 Female 0	18H. HIGHEST GRADE ATTENDED E H C I I I 2 2 2 3 3 3 4 4 4 5 5 5 6 6 6 7 7 7 8 8 8 None 9	18I. GRADE COMPLETED Yes 0 No 0	18J. RACE 1. White..... 0 2. Black..... 0 3. Amer. Indian, Aleut, Eskimo 0 4. Asian or Pacific Isl. 0 5. Other..... 0	18K. ORIGIN 0 0 1 1 2 2 3 3 4 4 5 5 6 6 7 7 8 8 9 9
0 0					
1 1					
2 2					
3 3					
4 4					
5 5					
6 6					
7 7					
8 8					
9 9					
None 9					
0					

18. LINE NUMBER

19. What was ... doing most of LAST WEEK -

- Working Keeping house
- Going to school or something else
- Working (Skip to 20A) ...WK
- With a job but not at work ...J
- Looking for work ...LK
- Keeping house ...H
- Going to school ...S
- Unable to work (Skip to 24) ...U
- Retired ...R
- Other (Specify) ...OT

20. Did ... do any work at all LAST WEEK, not counting work around the house? (Note: If farm or business operator in hh., ask about unpaid work.)

Yes No (Go to 21)

20A. How many hours did ... work LAST WEEK at all jobs?

20B. INTERVIEWER CHECK ITEM

49+ (Skip to item 23)

1-34 (Go to 20C)

35-48 (Go to 20D)

20D. Did ... lose any time or take any time off LAST WEEK for any reason such as illness, holiday or sick work?

Yes No How many hours did ... take off?

(Correct 20A if lost time not already deducted; if 20A reduced below 35, correct 20B and fill 20C; otherwise, skip to 23.)

20E. Did ... work any overtime or at more than one job LAST WEEK?

Yes No How many extra hours did ... work?

(Correct 20A and 20B as necessary if extra hours not already included and skip to 23.)

20F. ONLY

INDUSTRY	OCCUPATION
0 0 A O	0 0 N O
1 1 I B O	1 1 P O
2 2 2 C O	2 2 Q O
3 3 D O	3 3 R O
4 4 E O	4 4 4 S O
5 5 F O	5 5 T O
6 6 G O	6 6 G U O
7 7 H O	7 7 2 V O
8 8 J O	8 8 8 W O
9 9 K O	9 9 9 X O
Ref. O L O	Ref. O Y O
Unc. O M O	Unc. O Z O

21. (If in 19, skip to 21A.) Did ... have a job or business from which he/she was temporarily absent or on layoff LAST WEEK?

Yes No (Go to 22)

21A. Why was ... absent from work LAST WEEK?

- Own illness ...
- On vacation ...
- Bad weather ...
- Labor dispute ...
- New job to begin within 30 days (Skip to 22B and 22C2)
- Temporary layoff (Under 30 days)
- Indefinite layoff (30 days or more or no def. recall date) (Skip to 22C3)
- Other (Specify) ...

21B. Is ... receiving wages or salary from his/her employer for any of the time off LAST WEEK?

Yes No

21C. Does ... usually work 35 hours or more a week at this job?

Yes No

(Skip to 23 and enter job held last week)

22. (If LK in 19, Skip to 22A.) Has ... been looking for work during the past 4 weeks?

Yes No (Go to 24)

22A. What has ... been doing in the last 4 weeks to find work? (Mark all methods used; do not read list.)

- Checked pub. employ. agency with - pvt. employ. agency
- employer directly ...
- friends or relatives ...
- Placed or answered ads. ...
- Nothing (Skip to 24) ...
- Other (Specify in notes, e.g., JTPA, union or prof. register, etc.) ...

22B. At the time ... started looking for work, was it because he/she lost or quit a job or was there some other reason?

- Lost job ...
- Quit job ...
- Left school ...
- Wanted temporary work ...
- Change in home or family responsibilities ...
- Left military service ...
- Other (Specify in notes) ...

22C. 1) How many weeks has ... been looking for work?

2) How many weeks ago did ... start looking for work?

3) How many weeks ago was ... laid off?

22D. Has ... been looking for full-time or part-time work?

Full Part

22E. Could ... have taken a job LAST WEEK if one had been offered?

Yes No Why not?

- Already has a job ...
- Temporary illness ...
- Going to school ...
- Other (Specify in notes) ...

22F. When did ... last work as a full-time job or business lasting 2 consecutive weeks or more? Within last 12 months (Specify) ... (Month) ...

- One to five years ago ...
- More than 5 years ago ...
- Never worked full-time 2 wks. or more ...
- Never worked at all ...

(SKIP to 23. If layoff entered in 21A, enter job, either full or part time, from which laid off. Else enter last full time job lasting 2 weeks or more, or "never worked.")

23. DESCRIPTION OF JOB OR BUSINESS

23A. For whom did ... work? (Name of company, business, organization or other employer.)

23B. What kind of business or industry is this? (For example: TV and radio mfg., retail shoe store, State Labor Dept., farm.)

23C. What kind of work was ... doing? (For example: electrical engineer, stock clerk, typist, farmer.)

23D. What were ...'s most important activities or duties at this job? (For example: types, keeps account books, files, sells cars, operates printing press, finishes concrete.)

24. INTERVIEWER CHECK ITEM (Rotation number)

First digit of SEGMENT number is:

- 0 1, 2, 4, 5, 6 or 8 (Skip to 26)
- 0 3 or 7 (Go to 24A)

24A. When did ... last work for pay at a regular job or business, either full- or part-time?

- Within past 12 months
- 1 up to 2 years ago ...
- 2 up to 3 years ago ... (Go to 24B)
- 3 up to 4 years ago ...
- 4 up to 5 years ago ...
- 5 or more years ago ...
- Never worked ... (Skip to 24C)

24B. Why did ... leave that job?

- Personal, family (incl. pregnancy) or school ...
- Health ...
- Retirement or old age ...
- Seasonal job completed ...
- Sick work or business conditions ...
- Temporary nonseasonal job completed ...
- Unsatisfactory work arrangements (Hours, pay, etc.) ...
- Other ...

24C. Does ... want a regular job now, either full- or part-time?

Yes ... (Go to 24D)

Maybe - it depends ... (Specify in notes)

No ... (Skip to 24E)

Don't know ...

24D. What are the reasons ... is not looking for work? (Mark each reason mentioned)

- Believes no work available in line of work or area
- Couldn't find any work ...
- Lacks nec. schooling, training, skills or experience ...
- Employers think too young or too old ...
- Other pers. handicap in finding job
- Can't arrange child care ...
- Family responsibilities ...
- In school or other training ...
- Ill health, physical disability ...
- Other (Specify in notes) ...
- Don't know ...

24E. Does ... intend to look for work of any kind in the next 12 months?

Yes ...

It depends (Specify in notes) ...

No ...

Don't know ... (If entry in 24B, describe job in 23, otherwise, skip to 26)

25. INTERVIEWER CHECK (Rotation number)

First digit of SEGMENT number is:

- 0 1, 2, 4, 5, 6 or 8 (Skip to 26)
- 0 3 or 7 (Go to 25A)

25A. How many hours per week does ... USUALLY work at this job?

25B. Is ... paid by the hour on this job?

Yes (Go to 25C)

No (Skip to 25D)

25C. How much does ... USUALLY earn per v. BEFORE deductions? Include any overtime pay, commissions, or tips usually received.

Dollars	Cents
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

(Ask 25D)

25D. How much does ... USUALLY earn per v. BEFORE deductions? Include any overtime pay, commissions, or tips usually received.

25E. On this job, is ... a member of a labor union or of an employee association similar to a union?

Yes (Skip to 26)

No (Ask 25F)

25F. On this job, is ... covered by a union or employee association contract?

Yes (Go to 26)

No

25G. INTERVIEWER CHECK ITEM

Entry (or NA) in item 20A (Go to 25 at top of page)

Entry (or NA) in item 21B

All other cases (Skip to 26)

25E. Was this person An employee of a PRIVATE Co, bus., or individual for wages, salary or comm. ... P

- A FEDERAL government employee ... F (Go to 23F)
- A STATE government employee ... S
- A LOCAL government employee ... L

Self-empl. in OWN bus., prof. practice, or farm

Is the business incorporated? Yes ... No ... SE (Skip to 26)

Working WITHOUT PAY in fam. bus. or farm ... WP

NEVER WORKED ... NEV

NO.	18B. RELATIONSHIP TO REFERENCE PERSON	18C. PARENT'S LINE NUMBER	18D. AGE	18E. MARITAL STATUS	18F. SPOUSE'S LINE NUMBER	18G1. SEX Male <input type="radio"/> Female <input checked="" type="radio"/>	18H. HIGHEST GRADE ATTENDED E H C	18I. GRADE COMPLETED Yes <input type="radio"/> No <input type="radio"/>	18J. RACE	18K. ORIGIN
0 0	Reference Person WITH other relatives in household ... <input type="radio"/>	0 0	0	Married - civilian spouse present ... <input type="radio"/>	0 0		1 1 1	Yes <input type="radio"/>	1. White ... <input type="radio"/>	0 0
1 1	Reference Person with NO other relatives in household <input type="radio"/>	1 1	1 1	Married - Armed Forces spouse present ... <input type="radio"/>	1 1		2 2 2	No <input type="radio"/>	2. Black ... <input type="radio"/>	1 1
2 2	Husband ... <input type="radio"/>	2 2	2 2	Married - spouse absent (Exclude separated) ... <input type="radio"/>	2 2	Veteran <input checked="" type="radio"/>	3 3 3		3. Amer. Indian, Aleut, Eskimo ... <input type="radio"/>	2 3
3 3	Wife ... <input type="radio"/>	3 3	3 3	Widowed ... <input type="radio"/>	3 3	Vietnam Era <input type="radio"/>	4 4 4		4. Asian or Pacific Isl. ... <input type="radio"/>	3 4
4 4	Own child ... <input type="radio"/>	4 4	4 4	Divorced ... <input type="radio"/>	4 4	Korean War <input type="radio"/>	5 5 5		5. Other ... <input type="radio"/>	4 5
5 5	Parent ... <input type="radio"/>	5 5	5 5	Separated ... <input type="radio"/>	5 5	World War II <input type="radio"/>	6 6 6			5 6
6 6	Brother/Sister ... <input type="radio"/>	6 6	6 6	Never married ... <input type="radio"/>	6 6	World War I <input type="radio"/>	7 7 7			6 7
7 7	Other rel. of Ref. Person ... <input type="radio"/>	7 7	7 7		7 7	Other Service <input type="radio"/>	8 8 8			7 8
8 8	Non-rel. of Ref. Person WITH OWN relatives in household ... <input type="radio"/>	8 8	8 8		8 8	Nonveteran <input type="radio"/>	None			8 9
9 9	Non-rel. of Ref. Person with NO OWN relatives in household <input type="radio"/>	None	9 9		None					9 9

25. INTERVIEWER CHECK ITEM
(Transcribe from control card item 18)
This person is 18-24 years of age (Ask 26A)
All others ... (End Questions)

26A. (If 'School' in 19, Verify) LAST WEEK was ... attending or enrolled in a high school, college, or university? (Mark "Yes" if currently on holiday or seasonal vacation. Mark "No" for summer vacation.)
Yes (Verify)
High School ... (Ask 26B)
College or Univ.
No (End Questions)

26B. Is ... enrolled in school as a full-time or part-time student?
Full time **END QUESTIONS**
Part time

33. Did ... leave that job before ... would have been laid off?
Yes No

34A. For whom did ... work at that time?

(If same as item 23, verify.)

34B. What kind of business or industry was that?

34C. What kind of work was ... doing at that time?

34D. What were ...'s most important activities or duties at that job?

38. At that job, was ... working full-time or part-time?
Full Part

39. Just before that job ended, how much did ... USUALLY earn per week BEFORE deductions? (Include any overtime pay, commissions, or tips usually received.)
\$

40. Since ... left that job, how many weeks was ... without work?
0 0
1 1
2 2
3 3
4 4
5 5
6 6
7 7
8 8
9 9

46. INTERVIEWER CHECK ITEM
Entry (or NA) in 20A or 21B and P, F, S, or L in 23E (Ask 46)
All others (Skip to 47)

48. At ...'s current job, about how much does ... USUALLY earn per week BEFORE deductions? (Include any overtime pay, commissions, or tips usually received.)
\$

47. How many jobs has ... had since working at (entry in 34A)?
0
1
2
3
4
5 +

REMINDER: BE SURE TO ASK THE LABOR QUESTIONS FOR ALL H.H. MEMBERS 14+ AND TO ASK THE SUPPLEMENT QUESTIONS.

29. INTERVIEWER CHECK ITEM
This person is:
14-19 years old (End questions)
20+ years old (Ask 30)

30. In the past 5 years, that is, since January 1981, has ... lost or left a job because of a plant closing, an employer going out of business, a layoff from which ... was not recalled, or other similar reasons?
Yes No (End questions)

34E. Class of worker
Private ... P Self-employment
Federal Gov't ... F Inc. (Yes ...) J
State Gov't ... S No ... SE
Local Gov't ... L Without pay WP

OFFICE USE ONLY

0 0 0	A	0	0 0	N	0
1 1 1	B	0	1 1	P	0
2 2 2	C	0	2 2	Q	0
3 3 3	D	0	3 3 3	R	0
4 4 4	E	0	4 4 4	S	0
5 5 5	F	0	5 5 5	T	0
6 6 6	G	0	6 6 6	U	0
7 7 7	H	0	7 7 7	V	0
8 8 8	J	0	8 8 8	W	0
9 9 9	K	0	9 9 9	X	0
	L	0		Y	0
	M	0		Z	0
	Unc.	0		Unc.	0

40A. Of the (entry in item 40) weeks ... was without work, how many weeks was ... on layoff or looking for another job?
0 0
1 1
2 2
3 3
4 4
5 5
6 6
7 7
8 8
9 9

41. Did ... receive unemployment benefits after that job ended?
Yes (Ask 41A)
No
Don't know (Skip to 42)

41A. For how many weeks?
Less than 15
15 to 26
27+

31. Which of these specific reasons describes why ... is no longer working at that job? (Read list - refer to longest job.)

- Plant or company closed down or moved?
- Plant or company operating, but lost job because of:
 - slack work? ...
 - position or shift abolished?
 - seasonal job completed?
- Self-operated business failed? ...
- Or was there some other reason? ...

35. Was ... included in a group health insurance plan at that job?
Yes No
Don't know

36. When did ... last work at that job?
1981 1983 1985
1982 1984 1986

37. How many years had ... worked continuously there when that job ended? (Enter 00 if less than 1 year.)
0 0
1 1
2 2
3 3
4 4
5 5
6 6
7 7
8 8
9 9

42. Since that job, has ... moved to a different city or county to look for work or to take a different job?
Yes
No

43. Is ... now covered by any group health insurance plan?
Yes
No
Don't know

32. Did ... expect a layoff or had ... received advance notice of a layoff or a plant or business closing?
Yes (Ask 33) No (Skip to 34)

44. INTERVIEWER CHECK ITEM
First digit of SEGMENT number is:
1, 2, 4, 5, 6, 8 (FIR 45)
3 or 7 (Skip to 47)

SOURCE AND RELIABILITY OF THE ESTIMATES JANUARY 1986 TABULATIONS ON DISPLACED WORKERS

SOURCE OF DATA

The estimates in this report are based on data obtained in January 1986 from the Current Population Survey (CPS) conducted by the Bureau of the Census and from supplementary questions to the CPS. The monthly CPS deals mainly with labor force data for the civilian noninstitutional population. Questions relating to labor force participation are asked about each member in every sample household. In addition, in January 1986, supplementary questions were asked about displaced workers.

CPS Estimation Procedure.

The estimation procedure used in this survey involved the inflation of the weighted sample results to independent estimates of the total civilian noninstitutional population of the United States by age, race, sex and Hispanic/non-Hispanic categories. These independent estimates are based on statistics from the decennial censuses of population; statistics on births, deaths, immigration and emigration; and statistics on the strength of the Armed Forces.

RELIABILITY OF THE ESTIMATES

Since the CPS estimates were based on a sample, they may differ somewhat from the figures that would have been obtained if a complete census had been taken using the same questionnaires, instructions, and enumerators. There are two types of errors possible in an estimate based on a sample survey: sampling and nonsampling. The accuracy of a survey result depends on both types of errors, but the full extent of the nonsampling error is unknown. Consequently, particular care should be exercised in the interpretation of figures based on a relatively small number of cases or on small differences between estimates. The standard errors provided for the CPS estimates primarily indicate the magnitude of the sampling error. They also partially measure the effect of some nonsampling errors in responses and enumeration, but do not measure any systematic biases in the data. (Bias is the difference averaged over all possible samples, between the estimate and the desired value.)

Nonsampling Variability. Nonsampling errors can be attributed to many sources, e.g., inability to obtain information about all cases in the sample, definitional difficulties, differences in the interpretation of questions, inability or unwillingness on the part of respondents to provide correct information.

inability to recall information, errors made in data collection such as in recording or coding the data, errors made in processing the data, errors made in estimating values for missing data, and failure to represent all units with the sample (undercoverage).

Undercoverage in the CPS results from missed housing units and missed persons within sample households. Overall undercoverage as compared to the level of the 1980 Decennial Census is about 7 percent. It is known that CPS undercoverage varies with age, sex, and race. Generally, undercoverage is larger for males than for females and larger for Blacks and other races combined than for Whites. Ratio estimation to independent age-sex-race-Hispanic population controls, as described previously, partially corrects for the bias due to survey undercoverage. However, biases exist in the estimates to the extent that missed persons in missed households or missed persons in interviewed households have different characteristics from those of interviewed persons in the same age-sex-race-Hispanic group. Further, the independent population controls used have not been adjusted for undercoverage in the 1980 census.

For additional information on nonsampling error including the possible impact on CPS data when known, refer to Statistical Policy Working Paper 3, An Error Profile: Employment as Measured by the Current Population Survey, Office of Federal Statistical Policy and Standards, U.S. Department of Commerce, 1978 and Technical Paper 40, The Current Population Survey: Design and Methodology, Bureau of the Census, U.S. Department of Commerce.

Sampling Variability. The standard errors given in the following tables are primarily measures of sampling variability, that is, of the variations that occurred by chance because a sample rather than the entire population was surveyed. The sample estimate and its standard error enable one to construct confidence intervals, ranges that would include the average results of all possible samples with a known probability. For example, if all possible samples were selected, each of these being surveyed under essentially the same general conditions and using the same sample design, and if an estimate and its standard error were calculated from each sample, then:

1. Approximately 95 percent of the intervals from two standard errors below the estimate to two standard errors above the estimate would include the average result of all possible samples.
2. Approximately 90 percent of the intervals from 1.6 standard errors below the estimate to 1.6 standard errors above the estimate would include the average result of all possible samples.

The average estimate derived from all possible samples is or is not contained in any particular computed interval. However, for a particular sample, one can say with specified confidence that the average estimate derived from all possible samples is included in the confidence interval.

Standard errors may also be used to perform hypothesis testing, a procedure for distinguishing between population parameters using sample estimates. The most common type of hypotheses appearing in this report is that the population parameters are different. An example of this would be comparing male displaced workers with female displaced workers. Tests may be performed at various levels of significance, where a level of significance is the probability of concluding that the characteristics are different when, in fact, they are identical.

To perform the most common test, let x and y be sample estimates for two characteristics of interest. Let the standard error on the difference $x-y$ be σ_{DIFF} . If the ratio $R = (x-y)/\sigma_{DIFF}$ is between -2 and $+2$, no conclusion about the difference between the characteristics is justified at the 0.05 level of significance. If, on the other hand, this ratio is smaller than -2 or larger than $+2$, the observed difference is significant at the 0.05 level. In this event, it is commonly accepted practice to say that the characteristics are different. Of course, sometimes this conclusion will be wrong. When the characteristics are, in fact, the same, there is a 5 percent chance of concluding that they are different.

Note When Using Small Estimates. Summary measures (such as medians and percent distributions) are shown only when the base is 75,000 or greater. Because of the large standard errors involved, there is little chance that summary measures would reveal useful information when computed on a smaller base. Estimated numbers are shown, however, even though the relative standard errors of these numbers are larger than those for corresponding percentages. These smaller estimates are provided primarily to permit such combinations of the categories as serve each data user's needs. Also, care must be taken in the interpretation of small differences. For instance, even a small amount of nonsampling error can cause a borderline difference to appear significant or not, thus distorting a seemingly valid hypothesis test.

Standard Error Tables and Their Use. In order to derive standard errors that would be applicable to a larger number of estimates and could be prepared at a moderate cost, a number of approximations were required. Therefore, instead of providing an individual standard error for each estimate, generalized

sets of standard errors are provided for various types of characteristics. As a result, the sets of standard errors provided give an indication of the order of magnitude of the standard error of an estimate rather than the precise standard error.

The figures presented in Tables A-2 and A-3 are approximations to the standard errors of various estimates for persons. To obtain the approximate standard error for a specific characteristic the appropriate standard error in Tables A-2 and A-3 must be multiplied by the factor for that characteristic given in Table A-1. These factors must be applied to the generalized standard errors in order to adjust for the combined effect of the sample design and the estimating procedure on the value of the characteristic.

Standard errors for intermediate values not shown in the generalized tables of standard errors may be approximated by linear interpolation. Two parameters (denoted "a" and "b") are used to calculate standard errors for each type of characteristic; they are presented in Table A-1. These parameters were used to calculate the standard errors in Tables A-2 and A-3 and to calculate the factors in Table A-1. They also may be used directly to calculate the standard errors for estimated numbers and percentages. Methods for computation are given in the following sections.

Standard Errors of Estimated Numbers. The approximate standard error, σ_x , of an estimated number shown in this report can be obtained in two ways. It may be obtained by use of the formula

$$\sigma_x = f\sigma \quad (1)$$

where f is the appropriate factor from Table A-1 and σ is the standard error on the estimate obtained by interpolation from Table A-1. Alternatively, the standard error may be approximated by formula (2) from which the standard errors in Table A-2 were calculated. Use of this formula will provide more accurate results than the use of formula (1) above

$$\sigma_x = \sqrt{ax^2 + bx} \quad (2)$$

Here x is the size of the estimate and a and b are the parameters in Table A-1 associated with the particular characteristic.

Illustration of the Computation of the Standard Error of an Estimated Number. Suppose that there were 8,392,000 workers who lost or left a job involuntarily in the past five years and were employed in January 1986. From Table A-1 the appropriate parameters are $a = -0.000016$ and $b = 2,327$. Using formula (2), the approximate standard error on an estimate of 8,392,000 is

$$\sigma_x = \sqrt{-0.000016 (8,392,000)^2 + 2,327 (8,392,000)} = 136,000.$$

Alternatively, by linear interpolation in Table A-2, the standard error on 8,392,000 using a factor of 1.0 and rounding to the nearest thousand is 135,000 ($1.0 \times 135,000$).

Using the 136,000 estimate of standard error, the 90 percent confidence interval as shown by the data is from 8,174,400 to 8,609,600. Therefore, a conclusion that the average estimate derived from all possible samples lies within a range computed in this way would be correct for roughly 90 percent of all possible samples. Similarly, we could conclude with 95 percent confidence that the number of displaced workers that were currently employed in January 1986 lies within the interval from 8,120,000 to 8,664,000 (using twice the standard error).

Standard Errors of Estimated Percentages. The reliability of an estimated percentage, computed using sample data for both numerator and denominator, depends upon both the size of the percentage and the size of the total upon which this percentage is based. Estimated percentages are relatively more reliable than the corresponding estimates of the numerators of the percentages, particularly if the percentages are 50 percent or more. When the numerator and denominator of the percentage are in different categories, use the factors or parameters from Table A-1 indicated by the numerator. The approximate standard error, $\sigma_{(x,p)}$, of an estimated percentage can be obtained by use of the formula:

$$\sigma_{(x,p)} = f\sigma \quad (3)$$

In this formula, f is the appropriate factor from Table A-1 and σ is the standard error on the estimate from Table A-3. Alternatively, it may be approximated by the following formula from which the standard errors in Table A-3 were calculated. Use of this formula will give more accurate results than use of formula (3) above.

$$\sigma_{(x,p)} = \sqrt{\frac{b}{x} \cdot p(100 - p)} \quad (4)$$

Here x is the size of the subclass of persons or households which is the base of the percentage, p is the percentage ($0 < p < 100$), and b is the parameter in Table A-1 associated with the particular characteristic in the numerator of the percentage.

Illustration of the Computation of the Standard Error of a Percentage. Suppose that of 13,894,000 displaced workers, 4,918,000 or 35.4 percent lost their jobs when a plant or company closed down or moved. From Table A-1, the appropriate b parameter is 2,206. Using formula (3), the approximate standard error on 35.4 percent is

$$\sigma_{(x,p)} = \sqrt{\frac{2,206}{13,894,000} (35.4)(64.6)} = 0.6$$

Alternately, by interpolation in Table A-3, the standard error on 35.4 percent using a factor of 0.97 is 0.6 percent. (0.97×0.6 .)

Therefore, the 90 percent confidence interval of the percentage of displaced workers who lost their jobs when a plant or company closed down or moved is from 34.4 to 36.4, and the 95 percent confidence interval is from 34.2 to 36.6.

Standard Error of a Difference. For a difference between two sample estimates, the standard error is approximately equal to

$$\sigma_{(x-y)} = \sqrt{\sigma_x^2 + \sigma_y^2} \quad (5)$$

where σ_x and σ_y are the standard errors of the estimates x and y , respectively. The estimates can be of numbers, percents, ratios, etc. This will represent the actual standard error quite accurately for the difference between two estimates of the same characteristic in two different areas or for the difference between separate and uncorrelated characteristics in the same area. If, however, there is a high positive (negative) correlation between the two characteristics, the formula will overestimate (underestimate) the true standard error.

Illustration of the Computation of the Standard Error of a Difference. Suppose that of the 8,336,000 male displaced workers, 4,835,000 or 58.0 percent were employed in January 1986, and of the 5,558,000 female displaced workers, 3,446,000 or 62.0 percent were employed in January 1986. The apparent

difference between these two groups is 4.0 percent. Using formula (3) and the appropriate b parameters (2,013 for males and 1,725 for females) from Table A-1, the standard error on 58.0 percent with a base of 8,336,000 is approximately 0.8 percent, and for 62.0 percent with a base of 5,558,000 is approximately 0.9 percent. Using formula (5), the standard error on the estimated difference of 4.0 percent is approximately

$$\sigma_{(x-y)} = \sqrt{(0.8)^2 + (0.9)^2} = 1.2$$

This means that the 90 percent confidence interval around the difference is from 2.1 to 5.9, and the 95 percent confidence interval is from 1.6 to 6.4. Since this interval does not include zero, we can conclude with 95 percent confidence that the percentage of female displaced workers currently employed is greater than the percentage of male displaced workers currently employed.

Standard Error of a Median. The sampling variability of an estimated median depends upon the form of the distribution as well as the size of its base. An approximate method for measuring the reliability of an estimated median is to determine a confidence interval about it. (See the section on sampling variability for a general discussion of confidence intervals.) The following procedure may be used to estimate the 68-percent confidence limits of a median based on sample data.

- (1) Determine, using the standard error tables and factors or formula (4), the standard error of the estimate of 50 percent from the distribution.
- (2) Add to and subtract from 50 percent the standard error determined in step (1).
- (3) Using the distribution of the characteristic, calculate the 68-percent confidence interval by calculating the values corresponding to the two points established in step (2).
- (4) Once the limits of the 68-percent confidence interval are computed, the standard error of a median can be computed by the formula:

$$\sigma_{\text{median}} = \frac{U-L}{2}$$

where

U = Upper limit of the 68-percent confidence interval,

L = Lower limit of the 68-percent confidence interval.

Illustration of the Computation of a Confidence Interval for a Median. Suppose that the estimated median years on the lost job for all displaced workers is three years and suppose the following table gives the distribution of years.

Years on Lost Job	Number of Persons (in thousands)	Percent Distribution	Cumulative Distribution
< 1	2,779	20.0	20.0
1 - 4	5,558	40.0	60.0
5 - 9	3,196	23.0	83.0
10 - 14	1,389	10.0	93.0
15 - 19	834	6.0	99.0
20 - 24	69	0.5	99.5
25+	69	0.5	100.0
Total	13,894		

- (1) Using $b = 2,327$ from Table A-1 and formula (3), the standard error of 50 percent on a base of 13,894,000 is about 0.6 percent.
- (2) To obtain a 68 percent confidence interval for a median, add to and subtract from 50 percent, the standard error found in step (1). This yields limits of 49.4 and 50.6 percent.
- (3) The closest percentages corresponding to these percent limits (i.e., 49.4 and 50.6) available from column 4 of the above mentioned table are 20.0 and 60.0 percent, respectively. It can be seen that 20.0 percent of the displaced workers had less than 1 year on their lost job, and 60.0 percent had less than 5 years on their lost job. By linear interpolation the lower and upper limits of the 68 percent confidence interval for the median are calculated as

$$0 + (4-0) \frac{49.4 - 20.0}{60.0 - 20.0} = 2.9$$

$$0 + (4-0) \frac{50.6 - 20.0}{60.0 - 20.0} = 3.1$$

respectively.

(4) The standard error of the median is $0.1 = (3.1 - 2.9)/2$ years.

Table A-1. "a" and "b" Parameters for Computing Approximate Standard Errors of Estimated Numbers, Percentages and Labor Force Participation Rates for Estimates of CPS Labor Force Data

Type of Characteristic	a	b	f 1/
Agricultural Employment			
All Races	-0.000028	3,702	1.26
Hispanic Origin	-0.000141	1,753	0.87
All Labor Force Data other than Unemployment and Agriculture Employment Data			
Total	-0.000016	2,327	1.00
Nonblack	-0.000018	2,327	1.00
Black	-0.000144	2,327	1.00
Hispanic Origin	-0.000109	1,241	0.73
Teenage (16-19)	-0.000183	2,327	1.00
Nonblack Teenage (16-19)	-0.000214	2,327	1.00
Black Teenage (16-19)	-0.001262	2,327	1.00
Hispanic Origin Teenage (16-19)	-0.000799	1,241	0.73
Male	-0.000025	2,013	0.93
Male 20+ or Nonblack Male	-0.000027	2,013	0.93
Black Male	-0.000243	2,013	0.93
Hispanic Origin Male	-0.000222	1,241	0.73
Nonblack Male 20+	-0.000030	2,013	0.93
Black Male 20+	-0.000278	2,013	0.93
Female, Total or Nonblack	-0.000019	1,725	0.86
Female 20+, Total or Nonblack	-0.000021	1,725	0.86
Black Female or Black Female 20+	-0.000164	1,725	0.86
Hispanic Origin Female	-0.000213	1,241	0.73
Unemployment			
Total or Nonblack	-0.000015	2,206	0.97
Black	-0.000151	2,536	1.04
Hispanic Origin	-0.000094	1,075	0.68

x Not applicable.

1/ These factors are to be applied to the standard errors in Tables A-2 and A-3 to compute standard errors for the given type of characteristic.