



File Format Conversion

Census Tract Data, 1940 – 1970: Elizabeth Mullen Bogue Files

NN3-CFS-99-001

Records of the Community and Family Study Center, University of Chicago (Collection CFS)

The Census Tract Data files contain records of two different lengths. The city/metro area records are longer than the tract level record. The files are preserved in the EBCDIC character set with variable-length records, including an eight character EBCDIC record/block counter at the beginning of each block/record.

NARA converted the files to a more contemporary format as part of making the records available online. Specifically, NARA converted the files to the ASCII character set and replaced the EBCDIC record/block counter with carriage return-line feed (CRFL) characters. With the replacement of the EBCDIC record/block counter, the length of each record is decreased by eight characters and each record now includes a record-delimiter. NARA also padded the records to the longest record length to create fixed-length records.

If the layout accounted for the counters, then the actual record length and field positions are eight characters less than what is indicated in the layout. This means researchers may need to adjust the field positions in the layout when using the data.

The fields in the city/metro area and the tract level records do not necessarily align. Researchers will have to define the fields for the city/metro area records separately from the tract level records.

1940 and 1950 files

The NARA prepared layouts for the city/metro area and the tract level records include the eight character counter. To use with the converted files, researchers will need to adjust the field positions by a decrease of eight characters.

For the city/metro area records, after the “file/record title” (now columns 1 – 60) and “number of tracts” (now columns 61 – 66) fields, the remaining fields are each eight characters in length.

For the tract level records, after the “tract id” (now columns 1 – 8) and “tract sequence number” (now columns 9 – 13) fields, the remaining fields are each five characters in length.

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The 1940 records are padded out to column 3306, plus the carriage return-line feed for a record length of 3308 characters.

The 1950 records are padded out to column 2058, plus the carriage return-line feed for a record length of 2060 characters.

1960 files

The NARA prepared layout for the SMSA/Central City includes the eight character counter. To use with the converted files, researchers will need to adjust the field positions by a decrease of eight characters.

For the SMSA/Central City records, after the “serial code” (now columns 1 – 6) and “blank” (now columns 7 – 100) fields, the remaining fields are each eight characters in length.

The layout for the tract level records does not include the counters. No change is needed to those field positions.

The 1960 records are padded out to column 3620, plus the carriage return-line feed for a record length of 3622 characters.

1970 files

The layouts for the city/metro and tract level records do not include counters so no adjustment to the field positions is necessary.

For the city/metro area records, after the “SMSA No.,” “SMSA name,” and “number of central cities,” the next 15 fields are 12 characters in length and the remaining 1153 fields are eight characters in length.

For the tract level records, after the first twelve fields (fields “SMSA No.” through “tract housing count”), the next 15 fields are eight characters in length and the remaining 1153 fields are six characters in length.

The 1970 records are padded out to column 9439, plus the carriage return-line feed for a record length of 9441 characters.

Electronic Records Division
July 11, 2017



Supplemental User Note

Census Tract Data, 1940 – 1970: Elizabeth Mullen Bogue Files

NN3-CFS-99-001

Records of the Community and Family
Study Center, University of Chicago (Collection CFS)

As indicated in the introduction to the documentation for the 1940, 1950, and 1960 Census Tract Data, NARA prepared layouts based on the documentation provided by the donor and from some of the “Census Tract Statistics” publications. However, given how the donors prepared the data files and the complexity in compiling the record layouts, there may be discrepancies between the NARA-prepared layouts and the data.

In particular, staff have discovered that for some tracted cities in 1940, 1950, and 1960, the tract ID includes an alphabetic prefix. For example, there is an alphabetic prefix for the tract ID in the San Diego 1950 and 1960 files and in the San Francisco(-Oakland) 1940 and 1960 files. The NARA-prepared layouts for the 1940 and 1950 tract level data does not indicate a separate field for the tract ID alphabetic prefix. The alphabetic prefix appears to be in the left-most position in the tract ID field. The donor-prepared layout for the 1960 tract level includes a field for the alphabetic prefix.

Lynn Goodsell, Archivist
Archival Operations – Washington, D.C. (RD-DC), Electronic Records Section
March 21, 2012

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Census Tract Data, 1940-1970: Elizabeth Mullen Bogue File

Donated Historical Materials of
The Community and Family Study Center, University of Chicago
(Record Group CFS)

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May 28, 1999

	1940	1950	1960	1970
ABILENE, TEX			X	X
AKRON, OH	X	X	X	X
ALBANY, GA				X
ALBANY-SCHENECTADY-TROY, NY			X	
ALBUQUERQUE, NM			X	X
ALLENTOWN-BETHLEHEM-EASTON, PA-NJ			X	X
ALTOONA, PA			X	X
AMARILLO, TX				X
ANDERSON, IND				X
ANN ARBOR, MICH			X	X
APPLETON-OSHKOSH, WIS				X
ASHVILLE, NC				X
ATLANTA, GA	X	X	X	X
ATLANTIC CITY, NJ	X		X	X
AUGUSTA, GA	X		X	X
AUSTIN, TX	X	X	X	X
BAKERSFIELD, CA			X	
BALTIMORE, MD	X	X	X	X
BATON ROUGE, LA			X	X
BAY CITY, MICH				X
BEAUMONT, TX			X	X
BERKELEY, CA	X			
BILLINGS, MONT				X
BILOXI-GULFPORT, MISS				X
BINGHAMTON, NY			X	
BIRMINGHAM, AL	X	X	X	
BLOOMINGTON-NORMAL, ILL				X
BOISE CITY, IDAHO				X
BOSTON, MASS	X	X	X	
BRIDGEPORT, CT		X	X	X
BRISTOL, CT				X
BROCKTON, MA			X	X
BROWNSVILLE-HARLINGEN-SAN BENITO, TX				X
BRYAN-COLLEGE STATION, TX				X
BUFFALO, NY	X	X	X	X
CAMBRIDGE, MA	X			
CAMDEN, NJ	X			
CANTON, OH			X	X
CEDAR RAPIDS, IOWA				X
CHAMPAIGN-URBANA, ILL				X
CHARLESTON, SC			X	X
CHARLESTON, WV				X
CHARLOTTE, NC			X	X
CHATTANOOGA, TENN-GA		X	X	X
CHICAGO, ILL	X	X	X	
CINCINNATI, OH-KY	X	X	X	
CLEVELAND, OH	X	X	X	X
COLORADO SPRINGS, CO			X	X
COLUMBIA, MO				X

COLUMBIA, SC			X	X
COLUMBUS, GA			X	
COLUMBUS, OH	X	X	X	X
CORPUS CHRISTI, TX			X	X
DALLAS, TX	X	X	X	X
DANBURY, CT				X
DAVENPORT, IOWA			X	
DAYTON, OH	X	X	X	X
DECATUR, ILL			X	X
DENVER, CO	X	X	X	X
DES MOINES, IA	X		X	X
DETROIT, MICH	X	X	X	
DULUTH-SUPERIOR, MINN-WIS	X	X	X	X
DURHAM, NC		X	X	X
ELIZABETH, NJ	X			
EL PASO, TX			X	X
ERIE, PA			X	X
EUGENE, OR				X
EVANSVILLE, IND-KY			X	X
FALL RIVER, MA-RI			X	
FAYETTEVILLE, NC				X
FITCHBURG-LEOMINSTER, MA				X
FLINT, MICH	X	X	X	X
FRESNO, CA			X	
FT. LAUDERDALE-HOLLYWOOD, FL				X
FT. SMITH, ARK			X	X
FT. WAYNE, IND			X	X
FT. WORTH, TX		X	X	
GADSDEN, AL			X	
GAINESVILLE, FL				X
GALVESTON-TEXAS CITY, TX			X	X
GARY, IND			X	
GRAND RAPIDS, MICH			X	X
GREAT FALLS, MONT				X
GREEN BAY, WIS			X	X
GREENSBORO-HIGH POINT, NC		X	X	X
GREENVILLE, SC			X	X
HAMILTON-MIDDLETOWN, OH			X	X
HARRISBURG, PA			X	X
HARTFORD, CT	X	X	X	X
HONOLULU, HI			X	X
HOUSTON, TX	X	X	X	X
INDIANAPOLIS, IND	X	X	X	X
JACKSONVILLE, FL			X	X
JACKSON, MI			X	X
JACKSON, MS				X
JERSEY CITY, NJ	X		X	
JOHNS TOWN, PA			X	X
KALAMAZOO, MICH		X	X	X
KANSAS CITY, KS-MO	X	X	X	X

KENOSHA, WIS				X
KNOXVILLE, TENN			X	X
LA CROSSE, WI				X
LAFAYETTE, IN				X
LAFAYETTE, LA				X
LAKE CHARLES, LA				X
LANCASTER, PA			X	X
LANSING, MICH			X	X
LAREDO, TX			X	X
LAS VEGAS, NEV			X	X
LAWRENCE, MASS HAVERHILL, NH			X	X
LAWTON, OKLA				X
LEWISTON-AUBURN, MAINE				X
LEXINGTON, KY			X	X
LIMA, OH			X	X
LINCOLN, NEBR			X	X
LITTLE ROCK, ARK			X	X
LONG BEACH, CA	X			
LORAIN-ELYRIA, OH			X	
LOS ANGELES-LONG BEACH, CA	X		X	
LOUISVILLE, KY-IND	X	X	X	
LOWELL, MA			X	X
LUBBOCK, TX			X	X
LYNCHBURG, VA				X
MACON, GA	X		X	X
MADISON, WIS			X	X
MANCHESTER, NH			X	X
MANSFIELD, OH				X
MEMPHIS, TENN	X	X	X	X
MERIDIEN, CT				X
MIAMI, FL		X	X	
MIDLAND, TX				X
MILWAUKEE, WI	X	X	X	X
MINNEAPOLIS-ST. PAUL, MINN	X		X	
MOBILE, AL			X	
MONROE, LA			X	X
MONTGOMERY, AL			X	
MUNCIE, IND			X	X
MUSKEGON, MICH			X	X
NASHUA, NH				X
NASHVILLE, TN	X	X	X	X
NEW BEDFORD, MA			X	
NEW BRITAIN, CT			X	X
NEW HAVEN, CT	X	X	X	
NEW ORLEANS, LA	X	X	X	X
NEW YORK, NY	X		X	
NEWARK, NJ	X		X	
NEWPORT NEWS-HAMPTON, VA			X	X
NORFOLK-PORTSMOUTH, VA		X	X	
NORWALK, CT			X	

ODESSA, TX			X	X
OGDEN, UTAH			X	X
OAKLAND, CA	X			
OKLAHOMA CITY, OK	X	X	X	
OMAHA, NEBR		X	X	
ORLANDO, FL			X	X
PATERSON-CLIFTON-PASSAIC, NJ	X	X	X	
PENSACOLA, FL				X
PEORIA, ILL			X	X
PETERSBURG-COLONIAL HGTS, VA				X
PHILADELPHIA, PA	X	X	X	
PHOENIX, AZ			X	X
PINEBLUFF, AR				X
PITTSBURGH, PA	X	X	X	X
PITTSFIELD, MA			X	X
PORTLAND, ME			X	X
PORTLAND, OR-WA	X	X	X	X
PROVIDENCE, RI PAWTUCKET, MA	X	X	X	X
PROVO-OREM, UTAH				X
PUEBLO, CO			X	X
RACINE, WIS				X
RALEIGH, NC			X	X
READING, PA			X	X
RENO, NEV				X
RICHMOND, VA	X	X	X	X
ROANOKE, VA				X
ROCHESTER, MN				X
ROCHESTER, NY	X	X	X	X
ROCKFORD, ILL			X	X
SACRAMENTO, CA		X	X	
SAGINAW, MICH			X	X
ST. JOSEPH, MO				X
ST. LOUIS, MO-ILL	X	X	X	X
ST. PAUL, MN	X			
SALEM, OR				X
SALT LAKE CITY, UTAH			X	X
SAN ANGELO TX			X	X
SAN ANTONIO, TX			X	X
SAN BERNARDINO-RIVERSIDE-ONTARIO, CA			X	
SAN DIEGO, CA		X	X	
SAN FRANCISCO, CA	X		X	
SAN JOSE, CA		X	X	
SANTA BARBARA, CA			X	
SAVANNAH, GA	X		X	X
SCRANTON, PA			X	X
SEATTLE, WA	X	X	X	
SHERMAN-DENISON, TX				X
SHREVEPORT, LA			X	X
SIOUX CITY, IA			X	X
SIOUX FALLS, SD				X

SOUTH BEND, IND			X	X
SPOKANE, WASH		X	X	X
SPRINGFIELD, ILL				X
SPRINGFIELD, MO			X	X
SPRINGFIELD-CHICOPEE-HOLYYOKE, MA		X	X	
SPRINGFIELD, OH			X	X
STAMFORD, CT			X	
STEUBENVILLE, WEIRTON-OHIO-W. VA			X	
STOCKTON, CA			X	
SYRACUSE, NY	X	X	X	X
TACOMA, WASH		X	X	X
TALLAHASSEE, FL				X
TAMPA-ST. PETERSBURG, FL			X	
TERRE HAUTE, IND				X
TEXARKANA, TX-ARK			X	X
TOLEDO, OH	X	X	X	X
TOPEKA, KS			X	X
TRENTON, NJ	X	X	X	X
TUCSON, AZ			X	X
TULSA, OK			X	X
TYLER, TX			X	X
UTICA-ROME, NY		X	X	X
WACO, TX			X	X
WASHINGTON, DC-MD-VA	X	X	X	X
WATERBURY, CT			X	
WATERLOO, IOWA			X	X
WEST PALM BEACH, FL				X
WESTCHESTER CO, NY		X		
WHEELING, W. VA-OH			X	
WICHITA FALL, TX			X	
WICHITA, KS		X	X	X
WILKES-BARRE-HAZLETON, PA			X	X
WILMINGTON, DEL-NJ			X	X
WILMINGTON, NC				X
WINSTON-SALEM, MA			X	
WORCHESTER, MA			X	X
YONKERS, NY	X			
YORK, PA			X	X
YOUNGSTOWN-WARREN, OH			X	X

APPENDICES

Appendix 1

CFSC Census tract tape data correspondence

Appendix 2

Table 1-Selected Census Tract informatio for
Nine Chicago Census Tracts

Table 2-Illustrative Regression results for
Chicago Census Tracts

CFSC DATA CORRESPONDENCE

Censuses of 1940, 1950, 1960, 1970

The following data is comparable for all of 1940, 1950, 1960, 1970

Population

Total population

total white

total negro

total male

total female

5 yr. age groups by male, female 0-75+ for totals

5 yr. age groups by male, female 0-75+ for whites

(1940 must add native and foreign born whites)

Country of birth of foreign born whites:

United Kingdom

Ireland

Norway

Sweden

Germany

Poland

Czechoslovakia

Austria

Hungary

U.S.S.R.

Italy

Canada

Mexico

"Other"

Schooling

Population 25+

No school years completed

Elementary 1-4

Elementary 5,6,7,8 (not strictly comparable)

High school 1-3

High school 4

College 1-3

College 4+

Not reported (1940, 1950)

n.b. median school years is given for 1940, 1950;
must be computed for 1960, 1970.

Labor Force

Males, females aged 14+ (14-15 separate from 16+ in 1970)

In labor force

Armed forces

Employed civilian labor force

Unemployed (seeking work)

Class of Worker

Wage and salary

Unpaid family worker

Not reported (?)

Occupation by male, female

Professional, technical, kindred

Managers, officials, proprietors

Clerical and kindred

Sales (not available for 1940)

Operatives

Private household workers

Service

Laborers (question of consistent definition 1940-1970)

farm laborers 1960, 1970

Housing

Occupancy status

All Dwelling units

Total occupied

Total owner occupied

White owner occupied

Negro owner occupied

Other non-white owner occupied

Total rental occupied

White tenant occupied

Negro tenant occupied

Other non-white tenant occupied

Vacant ...category includes 1940 - Vacant for sale or rent; not for sale or rent

1950 - Vacant non-seasonal; vacant seasonal

1960 - Available vacant; other vacant

1970 - Vacant seasonal; for sale, for rent, other

Type of Unit

(not available for 1960 tape, but see arrays 2093-2098)

1-unit detached

1-unit attached

2 units

(n.b. allocation problem 1950)

3-4 units

5+ units

Number of persons per dwelling unit

1 note: 1940, 1960 - # persons per household
 2 1950, 1970 - # persons per dwelling unit
 3
 4
 5,6
 7+

Number of dwelling units with 1.01 persons per room or more

Value of Home

1940	1950	1960	1970
500-	3000-	5000-	5000-
500-699	3000-3999	5000-7499	5000-7499
700-999	4000-4999	7500-9999	7500-9999
1000-1999	5000-7499	10000-12499	10000-12499
2000-2499	7500-9999	12500-14999	12500-14999
2500-2999	10000-14999	15000-17499	15000-17499
3000-3999	15000+	17500-19999	17500-19999
5000-5999	(median)	20000-24999	20000-24999
6000-7499		25000-34999	25000-34999
7500-9999		35000+	35000-49999
10000-14999			50000+
15000-19999			
20000+			
(median)			

Monthly Contract Rent*

*Similar categorization of values for 1940-1970
 (Gross monthly rent also available)

Condition of Housing

Needing minor repairs
 Lacking some or all plumbing facilities
 Central heating
 Radio, TV

n.b. other housing condition data is not consistent over the four censuses due to varying definitions of substandard by the Census Bureau

The following data is comparable for 1950, 1960, 1970 only

Income
(size categories)
Marital status

Year structure built
(by age categories)

Geographical mobility
1 yr rates 1950
5 yr rates 1960
5 yr rates 1970

The following data is comparable for 1960 and 1970 only

Latitude and longitude
Household relationship

School enrollment

Industry in which employed

Means of transportation to work

Place of work

Autos

Water and sewerage

Number of stories



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 <u>Supplementary Materials:</u>	 <u># Pages</u>
`Census Tract Manual' (January 1947)	17
`Population and Housing Statistics for Census Tracts Atlantic City, N.J.'	22
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Theodore J. Hull
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DOCUMENTATION FOR CENSUS TRACT DATA, 1940: ELIZABETH MULLEN BOGUE FILE

The data files known as the Census Tract Data, 1940: Elizabeth Mullen Bogue File, were deposited with the National Archives and Records Administration (NARA) by a deed of gift from Dr. Donald Bogue of The Community and Family Study Center, University of Chicago. The 1940 Census Tract files were originally created by keypunching the data from the printed publications prepared by the Bureau of the Census. Record copies of these publications can be found in the Publications of the U.S. Government (Record Group 287). The 1940 census tract data reported in those publications were manually keypunched by The Community and Family Study Center, under the direction of Dr. Bogue. Much of this work was accomplished by Elizabeth Mullen Bogue, the wife of the principle investigator, Ms. Maggie Gibson, and a number of other students and staff. Related funding for this project (for analysis and student training) came from a number of sources including the National Science Foundation, National Institute of Child Health and Human Development, U.S. Agency for International Development, and the Social Science Division of the University of Chicago.

One of Dr. Bogue's students, Dr. Michael White, obtained copies of the Census Tract Data files. Dr. White of the Population Studies and Training Center, Brown University, arranged for the transfer of these files to NARA on behalf of Dr. Bogue. The 1940 Census Tract Data came to NARA in March 1998, along with a copy of the original documentation.

The documentation indicates that the data were originally keypunched onto 38 cards per tract. NARA received 60 files, one per tracted city, with variable length records. There are two record types in each file; a 'city and metro level' record type with a record length of 3306 and a 'tract level' record type with a record length of 2041. Dr. White confirmed that at some point in time the original 80 column records (38 record per area) were concatenated into one long record per area. Note that the first

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four bytes in each block/record is a binary block length/record counter. NARA prepared record layouts for each record type based on the original documentation and a review of the Census Tract publications for Augusta, Georgia, and Atlantic City, New Jersey.

The first two records in each file are for the 'city and metro level' data and the remainder of the records in the file contain 'tract level' data, arranged numerically by tract. Each file has two records at the beginning of each file; a 'metro level' record followed by a 'city level' record. When applicable, the 'metro level' record incorporates data tabulated for suburban tracts. In cities without suburban tracts, both a 'metro level' record and 'city level' record are included in the file, but the data are identical. The 'metro level' and 'city level' records are distinguished by the characters METR and CITY in columns 64-68 of the records.

Documentation for the 1940 Census Tract files consist of this introduction, a copy of the general description of 'Population and Housing-Statistics for Census Tracts' from a typical 1940 census tract publication, the original documentation for the keypunched files (38 cards per area), NARA produced record layouts for the 'city and metro level' and 'tract level' record types, and a NARA produced sample printout of records from the file for Atlantic City, New Jersey. The 'Population and Housing-Statistics for Census Tracts' description includes a list of the 60 tracted cities and indicates those that include surrounding suburban tracts as 'metro' areas. Included as supplemental documentation are copies of the 1940 Census Tract publications for Augusta, Georgia, and Atlantic City, New Jersey, and a copy of the Census Tract Manual (3rd edition, January 1947). Again, record copies of these publications can be found in the Publications of the U.S. Government (Record Group 287), or in various depository libraries across the United States. Among NARA's cartographic holdings are the original enumeration district maps, which also identify the tract areas for the 60 tracted cities.

POPULATION AND HOUSING—STATISTICS FOR CENSUS TRACTS

INTRODUCTION

GENERAL

The Census Tract bulletins present basic population and housing statistics for each tracted area, as reported at the Sixteenth Decennial Census, taken as of April 1, 1940. The 60 tract cities for which bulletins are presented are listed on page 3. The population items include sex, age, race, nativity, citizenship, country of birth, highest grade of school completed, employment status, class of worker, and occupation. Among the housing subjects are occupancy status, tenure, value or monthly rent, type of structure, state of repair and plumbing equipment, size of household, race of head of household, persons per room, radio, refrigeration equipment, and heating fuel by type of heating equipment. In this bulletin population characteristics are presented in tables 1 to 3 and housing statistics in tables 4 to 6. The accompanying map shows the principal boundary streets for each tract.

Historical background.—Dr. Walter Laidlaw, working with population statistics in New York City 40 years ago, became convinced that in order to study neighborhoods it was necessary to have population data for local areas smaller than boroughs or wards and to establish these areas so that they would remain unchanged from census to census. At his request the Census Bureau made tabulations of 1910 data by census tracts not only for New York, but also for the 7 other cities having a population of over 500,000. Tract data were tabulated for the same 8 cities in 1920, but this number was increased to 18 in 1930. The increase to 60 cities in 1940 is largely the result of active effort on the part of Clarence E. Batschelet, Geographer of the Bureau of the Census, to obtain the necessary local cooperation for the establishment of census tracts in all cities of 250,000 or more. Much credit is also due Howard Whipple Green, Chairman of the Committee on Census Enumeration Areas of the American Statistical Association, not only for the extension of the list of cities, but especially for increased local interest in census tract statistics and local use of them.

Definition of a census tract.—Census tracts are small areas, having a population usually between 3,000 and 6,000, into which certain large cities (and sometimes their adjacent areas) have been subdivided for statistical and local administrative purposes, through cooperation with a local committee in each case. While this subdivision into tracts has been more or less arbitrary, several principles have been followed in general in laying out the tracts for each city. The tract areas are established with a view to approximate uniformity in population, with some consideration of uniformity in size, and with due regard for natural barriers. Each

tract is designed to include an area fairly homogeneous in population characteristics. In cities where the ward lines are infrequently changed, the tracts may form subdivisions of the wards, though they are usually laid out without regard to the ward boundaries. The tracts are intended to remain unchanged from census to census and thus to make possible studies of changes in social and economic characteristics of the population within small sections of the city.¹

Suburban tracts.—The tracted area of 35 cities is confined to the corporate limits of the cities; the tracted area for the remaining 25 cities extends into the suburbs. There are 9,169 tracts within the boundaries of the 60 central tract cities. In addition, in the areas surrounding the 25 cities there are 1,292 tracts. The majority of the suburban tracts are subdivisions of urban places.

Uses of census tract data.—Tract data are perhaps most widely used by city departments, welfare organizations, commercial establishments, and agencies for social research. Current and long range planning by public and private organizations is facilitated in many ways by the use of tract statistics. In the study of small neighborhoods within a city, tract figures provide a valuable source of factual material, especially when census data are supplemented by records collected by local agencies. Tract statistics are commonly used as bases for the computation of rates and of significant indexes of economic and social characteristics of the various sections of the city. Local data often used in this manner are records of births, deaths, contagious diseases, and juvenile delinquency, and current statistics on unemployment, relief, and housing conditions.

Other publications including data for census tracts.—The total population of each tract is shown in the first series of Population bulletins for States. Limited tabulations of the housing data by city blocks are given in supplements to the first series of Housing bulletins and summarized by tracts for the tract cities. Three housing items not included in the present bulletin appear in these block summaries, namely, number of residential structures, dwelling units by year built, and owner-occupied units by mortgage status. With these exceptions, this bulletin includes all of the population and housing figures that will be published for census tracts by the Bureau of the Census.

Available unpublished tract data.—All of the items shown for larger areas in the second series of Population and Housing bulletins for States have been tabulated for

¹ Additional tracts will normally be formed when territory is annexed to a city, with perhaps some changes in the boundaries of the tracts adjacent to the annexation. Tracts in which there are very large increases in population may be subdivided into two or more smaller tracts, if occasion seems to demand it.

census tracts, but because of space limitations the tract data are not published in full detail. The unpublished statistics, however, can be made available, upon request, for the nominal cost of transcribing or reproducing them. Requests for such unpublished statistics, addressed to the Director of the Census, Washington, D. C., will receive a prompt reply which will include an estimate of the cost of preparing the data.

DEFINITIONS OF TERMS AND EXPLANATIONS

Brief definitions or explanations of the principal terms used in the tract tables are presented in the following paragraphs. More complete explanations of these terms may be found in the second series of Population bulletins for States and the first and second series of Housing bulletins for States.

Race, nativity, and age.—Three major race classifications are distinguished in this bulletin, namely, white, Negro, and "other races." Persons of Mexican birth or ancestry who were not definitely Indian or of other nonwhite race were returned as white in 1940. In tables 3a and 6a statistics for the nonwhite (Negroes and other nonwhite races combined) are shown separately for tracts with 250 or more nonwhite persons. Occupation statistics for nonwhites are presented for Southern cities only. The white population is divided into two nativity groups, native and foreign born. A person born in the United States or in any of its territories or possessions is counted as native. The foreign-born white are presented by country of birth. The country of birth classification is based on political boundaries as of January 1, 1937, and therefore includes such countries as Austria, Czechoslovakia, and Poland.

The age classification is based on the age of the person at his last birthday before the date of the census, that is, the age of the person in completed years.

Highest grade of school completed.—The 1940 census included a question on the last full grade that the person had completed in the regular school system—public, private, or parochial school, college, or university. The tabulation of last grade or year of school completed for census tracts is restricted to persons 25 years old and over, practically all of whom have completed their formal education. In the computation of median years of school completed, the first year of high school is uniformly represented by 9, although there are some areas with only 7 years of elementary school.

Employment status.—On the basis of their employment status or activity during the week of March 24 to 30, 1940, all persons 14 years old and over were classified into two large groups: (a) Persons in the labor force, including those employed (at work or with a job, except on public emergency work), those on public emergency work, and those seeking work; and (b) persons not in the labor force, including those engaged in own home housework, those in school, those unable to work, inmates of institutions, other persons not in the labor force, and those whose employment status was not reported.

In the interpretation of the data for persons on public emergency work, allowance must be made for the misclassification in the census returns of some public emergency workers, as a result of which the number of such workers is considerably understated.

Occupation and class of worker.—The statistics presented in this bulletin showing workers classified by major occupation groups and class of worker are limited to employed workers, that is, persons 14 years old and over who were actually at work or who had a job in the week of March 24 to 30, 1940.

The occupation statistics presented in this bulletin are in terms of 10 major groupings of the 451 specific occupation titles of the 1940 classification system used by the Bureau of the Census. It may be noted that the occupations "Farmers (owners and tenants)" and "Farm managers" are included in the major occupation group "Proprietors, managers, and officials"; and that the occupations "Farm laborers (wage workers) and farm foremen" and "Farm laborers (unpaid family workers)" are included in the major occupation group "Laborers."

Dwelling unit.—A dwelling unit is defined as the living quarters occupied by, or intended for occupancy by, one household. A dwelling unit may be a detached house; a tenement, flat, or apartment in a larger building (apartment house, apartment hotel, or section of a hotel devoted entirely to apartment rather than transient use); or a room in a structure used primarily for business or other nonresidential purposes. It may be a tourist cabin, trailer, railroad car, boat, etc., if occupied by persons having no other place of residence.

Population per occupied dwelling unit.—The number of "occupied dwelling units" in 1940 is roughly comparable with the number of "private families" or "homes" shown in census reports for 1930. Thus the population per occupied unit in 1940 may be compared with the population per private family in 1930 to indicate changes in family size. The 1930 data and corresponding items for 1940 are not comparable, however, in the few tracts where the resident population in institutions or other special types of dwelling places accounts for a large proportion of the total population of the area.

Occupancy and tenure.—Dwelling units are classified by occupancy and tenure into four groups: Owner-occupied; tenant-occupied; vacant, for sale or rent; and vacant, not for sale or rent. Dwelling units are classified as occupied if occupied at the time of enumeration by households enumerated at their usual place of residence. The relatively small group classified as "vacant, not for sale or rent" includes dwelling units that were neither occupied nor available for sale or rent at the time of enumeration because they were being held for absent households, and dwelling units that were occupied temporarily by nonresident households.

Value and monthly rent.—The enumerator was instructed to report for each owner-occupied dwelling unit

the estimated current market value of the home and, if nonfarm, its estimated monthly rental value; for each tenant-occupied unit, the monthly contract rent or, if no cash rent was paid, the estimated monthly rental value based on rents for similar dwelling units in the neighborhood; and for each vacant unit, the rent asked or the estimated rental value. The rental reported for a vacant seasonal dwelling unit represents the actual or estimated monthly amount charged for the unit during the portion of the year it is generally occupied. Average and median values and rents are presented for each census tract. The median value or rent may be defined as that value or rent which divides the whole number of dwelling units into two equal groups, one having values or rents higher than the median, and one having lower.²

Gross rent.—Gross monthly rent, computed for tenant-occupied nonfarm dwelling units only, represents the estimated rent of the dwelling unit without furniture plus the reported average monthly cost to the tenant of water, electricity, gas, and other fuel. Rent differentials which result from varying practices with respect to inclusion of heat, utilities, and furniture as a part of the contract rent, are therefore eliminated from the gross rent figures.

Type of structure.—Dwelling units are classified into 11 groups, according to the type of structure in which they are located. A "1-family detached" structure has open space on all four sides and contains only one dwelling unit. A "1-family attached" structure has one or both sides built directly against an adjoining structure or structures. Each dwelling unit in a group of three or more row houses is a "1-family attached" structure, but two attached dwelling units by themselves constitute a "2-family side-by-side" structure.

State of repair and plumbing equipment.—Instructions specified that dwelling units were to be classified as "needing major repairs" when repairs were needed on such parts of the structure as floors, roof, plaster, walls, or foundations, the continued neglect of which would impair the soundness of the structure and create a hazard to its safety as a place of residence.

Size of household.—All persons enumerated as members of the household (including lodgers, servants, and other unrelated persons having no other usual place of residence) are counted in determining the number of persons that occupy each dwelling unit. The statistics on size of household, as presented in this report, should be distinguished from the statistics on size of family as shown in the 1930 reports, since in the 1930 tabulation of families by size only related persons were included.

² In computing the median values the class intervals shown in the tables were used. Rents were reported to the nearest dollar; and in computing the medians the limits of the class intervals were assumed to stand at the mid-point of the one-dollar interval between the end of one of the rent groups as shown in the table and the beginning of the next. For example, the limits of the interval designated, in round dollars, \$10 to \$14, were assumed to be \$9.50 to \$14.49.

Persons per room.—The number of persons per room, used as an index of crowding, is obtained by dividing the number of persons in the household by the number of rooms in the dwelling unit. This average was computed for each occupied dwelling unit.

Heating fuel by central heating.—Steam or hot water systems, piped warm-air systems, and pipeless warm-air furnaces are classified as central heating equipment.

Evaluation of data for small areas.—Users of data for the smaller areas (5,000 and under) should bear in mind that the data compiled for such areas represent the work of a very small number of enumerators (often only one or two). Consequently, the data for such areas are subject to a wider margin of error than is to be expected for larger areas. This qualification applies particularly to classifications involving complex definitions which require some judgment on the part of enumerators, such as the question on the need of major repairs. The misinterpretation by an enumerator of instructions pertaining to a particular item may cause a significant bias in the statistics for a very small community, even though it would have a negligible effect upon the figures for a large area.

LIST OF CENSUS TRACT CITIES

Akron, Ohio.*	Macon, Ga.*
Atlanta, Ga.*	Memphis, Tenn.*
Atlantic City, N. J.	Milwaukee, Wis.
Augusta, Ga.*	Minneapolis, Minn.*
Austin, Tex.	Nashville, Tenn.
Baltimore, Md.	Newark, N. J.
Berkeley, Calif.*	New Haven, Conn.
Birmingham, Ala.	New Orleans, La.
Boston, Mass.	New York City.
Buffalo, N. Y.	(Statistics for health areas.)
Cambridge, Mass.	Oakland, Calif.*
Camden, N. J.	Oklahoma City, Okla.*
Chicago, Ill.	Paterson, N. J.
Cincinnati, Ohio.*	Philadelphia, Pa.
Cleveland, Ohio.*	Pittsburgh, Pa.*
Columbus, Ohio.	Portland, Oreg.
Dallas, Tex.*	Providence, R. I.
Dayton, Ohio.*	Richmond, Va.
Denver, Colo.	Rochester, N. Y.
Des Moines, Iowa.	St. Louis, Mo.*
Detroit, Mich.*	St. Paul, Minn.*
Duluth, Minn.	San Francisco, Calif.
Elizabeth, N. J.	Savannah, Ga.*
Flint, Mich.*	Seattle, Wash.
Hartford, Conn.*	Syracuse, N. Y.
Houston, Tex.	Toledo, Ohio.
Indianapolis, Ind.*	Trenton, N. J.
Jersey City, N. J.*	Washington, D. C.
Kansas City, Mo.	Yonkers, N. Y.
Long Beach, Calif.*	
Los Angeles, Calif.*	
Louisville, Ky.*	

*Suburban tracts included.

1940 CENSUS TRACT DATA
-LAYOUT FOR CITY AND METRO LEVEL DATA

BLOCKSIZE/RECORD LENGTH COUNTER	1-8
FILE/RECORD TITLE	9-68
NUMBER OF TRACTS	69-74
GENERAL CHARACTERISTICS OF THE POPULATION	

CARD 1, FIELD 1	TOTAL POPULATION	75-82
CARD 1, FIELD 2	TOTAL WHITE POPULATION	83-90
CARD 1, FIELD 3	NATIVE WHITE POPULATION	91-98
CARD 1, FIELD 4	TOTAL NONWHITE POPULATION	99-106
CARD 1, FIELD 5	NEGRO POPULATION	107-114
CARD 1, FIELD 6	OCCUPIED DWELLING UNITS	115-122
CARD 1, FIELD 7	POPULATON PER OCCUPIED DWELLING U	123-130

SOURCE TABLE 3, COUNTRY BIRTH OF FOREIGN BORN WHITE (MALES)

CARD 2, FIELD 1	ALL COUNTRIES	131-138
CARD 2, FIELD 2	ENGLAND AND WALES	139-146
CARD 2, FIELD 3	SCOTLAND	147-154
CARD 2, FIELD 4	NORTHERN IRELAND	155-162
CARD 2, FIELD 5	EIRE	163-170
CARD 2, FIELD 6	NORWAY	171-178
CARD 2, FIELD 7	SWEDEN	179-186
CARD 2, FIELD 8	DENMARK	187-194
CARD 2, FIELD 9	NETHERLANDS	195-202
CARD 2, FIELD 10	BELGIUM	203-210
CARD 2, FIELD 11	SWITZERLAND	211-218
CARD 2, FIELD 12	FRANCE	219-226
CARD 2, FIELD 13	GERMANY	227-234
CARD 2, FIELD 14	POLAND	235-242
CARD 2, FIELD 15	CZECHOSLOVAKIA	243-250
CARD 2, FIELD 16	AUSTRIA	251-258
CARD 3, FIELD 1	HUNGARY	259-266
CARD 3, FIELD 2	YUGOSLAVIA	267-274
CARD 3, FIELD 3	RUSSIA	275-282
CARD 3, FIELD 4	LITHUANIA	283-290
CARD 3, FIELD 5	FINLAND	291-298
CARD 3, FIELD 6	ROMANIA	299-306
CARD 3, FIELD 7	GREECE	307-314
CARD 3, FIELD 8	ITALY	315-322
CARD 3, FIELD 9	SPAIN & PORTUGAL	323-330

CARD 3, FIELD 10	OTHER EUROPE	331-338
CARD 3, FIELD 11	ASIA	339-346
CARD 3, FIELD 12	CANADA-FRENCH	347-354
CARD 3, FIELD 13	CANADA-OTHER	355-362
CARD 3, FIELD 14	NEWFOUNDLAND	363-370
CARD 3, FIELD 15	MEXICO	371-378
CARD 3, FIELD 16	CUBA	379-386
CARD 4, FIELD 1	CENTRAL AMERICA	387-394
CARD 4, FIELD 2	OTHER	395-402

SOURCE TABLE 3, COUNTRY BIRTH OF FOREIGN BORN WHITE (FEMALES)

CARD 5, FIELD 1	ALL COUNTRIES	403-410
CARD 5, FIELD 2	ENGLAND AND WALES	411-418
CARD 5, FIELD 3	SCOTLAND	419-426
CARD 5, FIELD 4	NORTHERN IRELAND	427-434
CARD 5, FIELD 5	EIRE	435-442
CARD 5, FIELD 6	NORWAY	443-450
CARD 5, FIELD 7	SWEDEN	451-458
CARD 5, FIELD 8	DENMARK	459-468
CARD 5, FIELD 9	NETHERLANDS	469-474
CARD 5, FIELD 10	BELGIUM	475-482
CARD 5, FIELD 11	SWITZERLAND	483-490
CARD 5, FIELD 12	FRANCE	491-498
CARD 5, FIELD 13	GERMANY	499-506
CARD 5, FIELD 14	POLAND	507-514
CARD 5, FIELD 15	CZECHOSLOVAKIA	515-522
CARD 5, FIELD 16	AUSTRIA	523-530
CARD 6, FIELD 1	HUNGARY	531-538
CARD 6, FIELD 2	YUGOSLAVIA	539-546
CARD 6, FIELD 3	RUSSIA	547-554
CARD 6, FIELD 4	LITHUANIA	555-562
CARD 6, FIELD 5	FINLAND	563-570
CARD 6, FIELD 6	ROMANIA	571-578
CARD 6, FIELD 7	GREECE	579-586
CARD 6, FIELD 8	ITALY	587-594
CARD 6, FIELD 9	SPAIN & PORTUGAL	595-602
CARD 6, FIELD 10	OTHER EUROPE	603-610
CARD 6, FIELD 11	ASIA	611-618
CARD 6, FIELD 12	CANADA-FRENCH	619-626
CARD 6, FIELD 13	CANADA-OTHER	627-634
CARD 6, FIELD 14	NEWFOUNDLAND	635-642
CARD 6, FIELD 15	MEXICO	643-650
CARD 6, FIELD 16	CUBA	651-658

CARD 7, FIELD 1	CENTRAL AMERICA	659-666
CARD 7, FIELD 2	OTHER	667-674

SOURCE TABLE 3, YEARS OF SCHOOL COMPLETED (MALES)

CARD 8, FIELD 1	PERSON 25 & OVER	675-682
CARD 8, FIELD 2	NO SCHOOL COMPLETED	683-690
CARD 8, FIELD 3	ELEMENTARY 1-4	691-698
CARD 8, FIELD 4	ELEMENTARY 5-6	699-706
CARD 8, FIELD 5	ELEMENTARY 7-8	707-710
CARD 8, FIELD 6	HIGH SCHOOL 1-3	711-722
CARD 8, FIELD 7	HIGH SCHOOL 4	723-730
CARD 8, FIELD 8	COLLEGE 1-3	731-738
CARD 8, FIELD 9	COLLEGE 4+	739-746
CARD 8, FIELD 10	NOT REPORTED	747-754
CARD 8, FIELD 11	MEDIAN	755-762

SOURCE TABLE 3, YEARS OF SCHOOL COMPLETED (FEMALES)

CARD 9, FIELD 1	PERSON 25 & OVER	763-770
CARD 9, FIELD 2	NO SCHOOL COMPLETED	771-778
CARD 9, FIELD 3	ELEMENTARY 1-4	779-786
CARD 9, FIELD 4	ELEMENTARY 5-6	787-794
CARD 9, FIELD 5	ELEMENTARY 7-8	795-802
CARD 9, FIELD 6	HIGH SCHOOL 1-3	803-810
CARD 9, FIELD 7	HIGH SCHOOL 4	811-818
CARD 9, FIELD 8	COLLEGE 1-3	819-826
CARD 9, FIELD 9	COLLEGE 4+	827-834
CARD 9, FIELD 10	NOT REPORTED	835-842
CARD 9, FIELD 11	MEDIAN	843-850

AGE BY RACE BY MALES, SOURCE TABLE 2

CARD 10, FIELD 1	MALE POPULATION	851-858
CARD 10, FIELD 2	UNDER 5 YEARS	859-866
CARD 10, FIELD 3	AGE 5-9	867-874
CARD 10, FIELD 4	AGE 10-14	875-882
CARD 10, FIELD 5	AGE 15-19	883-890
CARD 10, FIELD 6	AGE 20-24	891-898
CARD 10, FIELD 7	AGE 25-29	899-906
CARD 10, FIELD 8	AGE 30-34	907-914
CARD 10, FIELD 9	AGE 35-39	915-922

CARD 10, FIELD 10	AGE 40-44	923-930
CARD 10, FIELD 11	AGE 45-49	931-938
CARD 10, FIELD 12	AGE 50-54	939-946
CARD 10, FIELD 13	AGE 55-59	947-954
CARD 10, FIELD 14	AGE 60-64	955-962
CARD 10, FIELD 15	AGE 65-69	963-970
CARD 11, FIELD 1	AGE 70-74	971-978
CARD 11, FIELD 2	AGE 75+	979-986
CARD 11, FIELD 3	UNDER 1 YEAR	987-994
CARD 11, FIELD 4	5 YEARS	995-1002
CARD 11, FIELD 5	14 YEARS	1003-1010
CARD 11, FIELD 6	16-17 YEARS	1011-1018
CARD 11, FIELD 7	21 AND OVER	1019-1026

AGE BY RACE BY FEMALES, SOURCE TABLE 2

CARD 12, FIELD 1	FEMALE POPULATION	1027-1034
CARD 12, FIELD 2	UNDER 5 YEARS	1034-1042
CARD 12, FIELD 3	AGE 5-9	1043-1050
CARD 12, FIELD 4	AGE 10-14	1051-1058
CARD 12, FIELD 5	AGE 15-19	1059-1066
CARD 12, FIELD 6	AGE 20-24	1067-1074
CARD 12, FIELD 7	AGE 25-29	1075-1082
CARD 12, FIELD 8	AGE 30-34	1083-1090
CARD 12, FIELD 9	AGE 35-39	1091-1098
CARD 12, FIELD 10	AGE 40-44	1099-1106
CARD 12, FIELD 11	AGE 45-49	1107-1114
CARD 12, FIELD 12	AGE 50-54	1115-1122
CARD 12, FIELD 13	AGE 55-59	1123-1130
CARD 12, FIELD 14	AGE 60-64	1131-1138
CARD 12, FIELD 15	AGE 65-69	1139-1146
CARD 13, FIELD 1	AGE 70-74	1147-1154
CARD 13, FIELD 2	AGE 75+	1155-1162
CARD 13, FIELD 3	UNDER 1 YEAR	1163-1170
CARD 13, FIELD 4	5 YEARS	1171-1178
CARD 13, FIELD 5	14 YEARS	1179-1186
CARD 13, FIELD 6	16-17 YEARS	1187-1194
CARD 13, FIELD 7	21 AND OVER	1195-1202

AGE BY NATIVE WHITE MALES, SOURCE TABLE 2

CARD 14, FIELD 1	MALE POPULATION	1203-1210
CARD 14, FIELD 2	UNDER 5 YEARS	1211-1218
CARD 14, FIELD 3	AGE 5-9	1219-1226

CARD 14, FIELD 4	AGE 10-14	1227-1234
CARD 14, FIELD 5	AGE 15-19	1235-1242
CARD 14, FIELD 6	AGE 20-24	1243-1250
CARD 14, FIELD 7	AGE 25-29	1251-1258
CARD 14, FIELD 8	AGE 30-34	1259-1266
CARD 14, FIELD 9	AGE 35-39	1267-1274
CARD 145, FIELD 10	AGE 40-44	1275-1282
CARD 14, FIELD 11	AGE 45-49	1283-1290
CARD 14, FIELD 12	AGE 50-54	1291-1298
CARD 14, FIELD 13	AGE 55-59	1299-1306
CARD 14, FIELD 14	AGE 60-64	1307-1314
CARD 14, FIELD 15	AGE 65-69	1315-1322
CARD 15, FIELD 1	AGE 70-74	1323-1330
CARD 15, FIELD 2	AGE 75+	1331-1334
CARD 15, FIELD 3	UNDER 1 YEAR	1335-1346
CARD 15, FIELD 4	5 YEARS	1347-1354
CARD 15, FIELD 5	14 YEARS	1355-1362
CARD 15, FIELD 6	16-17 YEARS	1363-1370
CARD 15, FIELD 7	21 AND OVER	1371-1378

AGE BY NATIVE WHITE FEMALES, SOURCE TABLE 2

CARD 16, FIELD 1	FEMALE POPULATION	1378-1386
CARD 16, FIELD 2	UNDER 5 YEARS	1386-1394
CARD 16, FIELD 3	AGE 5-9	1395-1402
CARD 16, FIELD 4	AGE 10-14	1043-1410
CARD 16, FIELD 5	AGE 15-19	1411-1418
CARD 16, FIELD 6	AGE 20-24	1419-1426
CARD 16, FIELD 7	AGE 25-29	1427-1434
CARD 16, FIELD 8	AGE 30-34	1435-1442
CARD 16, FIELD 9	AGE 35-39	1443-1450
CARD 16, FIELD 10	AGE 40-44	1451-1458
CARD 16, FIELD 11	AGE 45-49	1459-1466
CARD 16, FIELD 12	AGE 50-54	1467-1474
CARD 167, FIELD 13	AGE 55-59	1475-1482
CARD 16, FIELD 14	AGE 60-64	1483-1490
CARD 16, FIELD 15	AGE 65-69	1491-1498
CARD 17, FIELD 1	AGE 70-74	1499-1506
CARD 17, FIELD 2	AGE 75+	1507-1514
CARD 17, FIELD 3	UNDER 1 YEAR	1515-1522
CARD 17, FIELD 4	5 YEARS	1523-1530
CARD 17, FIELD 5	14 YEARS	1531-1538
CARD 17, FIELD 6	16-17 YEARS	1539-1546
CARD 17, FIELD 7	21 AND OVER	1547-1554

AGE BY FOREIGN BORN WHITE MALES, SOURCE TABLE 2

CARD 18, FIELD 1	MALE POPULATION	1555-1562
CARD 18, FIELD 2	UNDER 5 YEARS	1563-1570
CARD 18, FIELD 3	AGE 5-9	1571-1578
CARD 18, FIELD 4	AGE 10-14	1579-1586
CARD 18, FIELD 5	AGE 15-19	1587-1594
CARD 18, FIELD 6	AGE 20-24	1595-1602
CARD 18, FIELD 7	AGE 25-29	1603-1610
CARD 18, FIELD 8	AGE 30-34	1611-1618
CARD 18, FIELD 9	AGE 35-39	1619-1626
CARD 18, FIELD 10	AGE 40-44	1627-1634
CARD 18, FIELD 11	AGE 45-49	1635-1642
CARD 18, FIELD 12	AGE 50-54	1643-1650
CARD 18, FIELD 13	AGE 55-59	1651-1658
CARD 18, FIELD 14	AGE 60-64	1659-1666
CARD 18, FIELD 15	AGE 65-69	1667-1674
CARD 19, FIELD 1	AGE 70-74	1675-1682
CARD 19, FIELD 2	AGE 75+	1683-1690
CARD 19, FIELD 3	UNDER 1 YEAR	1691-1698
CARD 19, FIELD 4	5 YEARS	1699-1706
CARD 19, FIELD 5	14 YEARS	1707-1714
CARD 19, FIELD 6	16-17 YEARS	1715-1722
CARD 19, FIELD 7	21 AND OVER	1723-1730

AGE BY FOREIGN BORN WHITE FEMALES, SOURCE TABLE 2

CARD 20, FIELD 1	FEMALE POPULATION	1731-1738
CARD 20, FIELD 2	UNDER 5 YEARS	1739-1746
CARD 20, FIELD 3	AGE 5-9	1747-1754
CARD 20, FIELD 4	AGE 10-14	1755-1762
CARD 20, FIELD 5	AGE 15-19	1763-1770
CARD 20, FIELD 6	AGE 20-24	1771-1778
CARD 20, FIELD 7	AGE 25-29	1779-1786
CARD 20, FIELD 8	AGE 30-34	1787-1794
CARD 20, FIELD 9	AGE 35-39	1795-1802
CARD 20, FIELD 10	AGE 40-44	1803-1810
CARD 20, FIELD 11	AGE 45-49	1811-1818
CARD 20, FIELD 12	AGE 50-54	1819-1826
CARD 20, FIELD 13	AGE 55-59	1827-1834
CARD 20, FIELD 14	AGE 60-64	1835-1842
CARD 20, FIELD 15	AGE 65-69	1843-1850
CARD 21, FIELD 1	AGE 70-74	1851-1858

CARD 21, FIELD 2	AGE 75+	1859-1866
CARD 21, FIELD 3	UNDER 1 YEAR	1867-1874
CARD 21, FIELD 4	5 YEARS	1875-1882
CARD 21, FIELD 5	14 YEARS	1883-1890
CARD 21, FIELD 6	16-17 YEARS	1891-1898
CARD 21, FIELD 7	21 AND OVER	1899-1906

EMPLOYMENT STATUS (MALES) , SOURCE TABLE 3

CARD 22, FIELD 1	MALES 14 AND OVER	1907-1914
CARD 22, FIELD 2	IN LABOR FORCE	1915-1922
CARD 22, FIELD 3	EMPLOYED	1923-1930
CARD 22, FIELD 4	WAGE AND SALARY	1931-1938
CARD 22, FIELD 5	EMPLOYERS	1939-1946
CARD 22, FIELD 6	UNPAID FAMILY WORKERS	1947-1954
CARD 22, FIELD 7	NOT REPORTED	1955-1962
CARD 22, FIELD 8	PUBLIC EMERGENCY WORK	1963-1970
CARD 22, FIELD 9	SEEKING WORK	1971-1978
CARD 22, FIELD 10	EXPERIENCED WORKERS	1979-1986
CARD 22, FIELD 11	NEW WORKERS	1987-1994
CARD 23, FIELD 1	NOT IN LABOR FORCE	1995-2002
CARD 23, FIELD 2	HOUSEWORK	2003-2010
CARD 23, FIELD 3	SCHOOL	2011-2018
CARD 23, FIELD 4	UNABLE TO WORK	2019-2026
CARD 23, FIELD 5	INSTITUTIONS	2027-2034
CARD 23, FIELD 6	OTHER	2035-2042

EMPLOYMENT STATUS (FEMALES) , SOURCE TABLE 3

CARD 24, FIELD 1	FEMALES 14 AND OVER	2043-2050
CARD 24, FIELD 2	IN LABOR FORCE	2051-2058
CARD 24, FIELD 3	EMPLOYED	2059-2066
CARD 24, FIELD 4	WAGE AND SALARY	2067-2074
CARD 24, FIELD 5	EMPLOYERS	2075-2082
CARD 24, FIELD 6	UNPAID FAMILY WORKERS	2083-2090
CARD 24, FIELD 7	NOT REPORTED	2091-2098
CARD 24, FIELD 8	PUBLIC EMERGENCY WORK	2099-2106
CARD 24, FIELD 9	SEEKING WORK	2107-2114
CARD 24, FIELD 10	EXPERIENCED WORKERS	2115-2122
CARD 24, FIELD 11	NEW WORKERS	2123-2130
CARD 25, FIELD 1	NOT IN LABOR FORCE	2131-2138
CARD 25, FIELD 2	HOUSEWORK	2139-2146
CARD 25, FIELD 3	SCHOOL	2147-2154
CARD 25, FIELD 4	UNABLE TO WORK	2155-2162

CARD 25, FIELD 5	INSTITUTIONS	2163-2170
CARD 25, FIELD 6	OTHER	2171-2178

MAJOR OCCUPATIONAL GROUP (MALES), SOURCE TABLE 3

CARD 26, FIELD 1	MALES EMPLOYED	2179-2186
CARD 26, FIELD 2	PROFESSIONAL	2187-2194
CARD 26, FIELD 3	SEMIPROFESSIONAL	2195-2202
CARD 26, FIELD 4	PROPRIETORS	2203-2210
CARD 26, FIELD 5	CLERICAL	2211-2218
CARD 26, FIELD 6	CRAFTMEN	2219-2226
CARD 26, FIELD 7	OPERATIVES	2227-2234
CARD 26, FIELD 8	DOMESTICS	2235-2242
CARD 26, FIELD 9	SERVICE WORKERS	2243-2250
CARD 26, FIELD 10	LABORERS	2251-2258
CARD 26, FIELD 11	NOT REPORTED	2259-2266

MAJOR OCCUPATIONAL GROUP (FEMALES), SOURCE TABLE 3

CARD 27, FIELD 1	FEMALES EMPLOYED	2267-2274
CARD 27, FIELD 2	PROFESSIONAL	2275-2282
CARD 27, FIELD 3	SEMIPROFESSIONAL	2283-2290
CARD 27, FIELD 4	PROPRIETORS	2291-2298
CARD 27, FIELD 5	CLERICAL	2299-2306
CARD 27, FIELD 6	CRAFTMEN	2307-2314
CARD 27, FIELD 7	OPERATIVES	2315-2322
CARD 27, FIELD 8	DOMESTICS	2323-2330
CARD 27, FIELD 9	SERVICE WORKERS	2331-2338
CARD 27, FIELD 10	LABORERS	2339-2346
CARD 27, FIELD 11	NOT REPORTED	2347-2354

DWELLING UNITS BY OCCUPANCY STATUS AND RACE, SOURCE TABLE 4

CARD 28, FIELD 1	ALL DWELLING UNITS	2355-2362
CARD 28, FIELD 2	TOTAL OWNER OCCUPIED	2363-2370
CARD 28, FIELD 3	WHITE OWNER OCCUPIED	2371-2378
CARD 28, FIELD 4	NEGRO OWNER OCCUPIED	2379-2386
CARD 28, FIELD 5	OTHER NONWHITE OWNER OCCUPIED	2387-2394
CARD 28, FIELD 6	TOTAL TENANT OCCUPIED	2395-2402
CARD 28, FIELD 7	WHITE TENANT OCCUPIED	2403-2410
CARD 28, FIELD 8	NEGRO TENANT OCCUPIED	2411-2418
CARD 28, FIELD 9	OTHER NONWHITE TENANT OCCUPIED	2419-2426

CARD 28, FIELD 10	VACANT FOR SALE OR RENT	2427-2434
CARD 28, FIELD 11	VACANT NOT FOR SALE OF RENT	2435-2442

TYPE OF STRUCTURE, SOURCE TABLE 6

CARD 29, FIELD 1	ONE-FAMILY DETACHED	2443-2450
CARD 29, FIELD 2	ONE-FAMILY ATTACHED	2451-2458
CARD 29, FIELD 3	TWO-FAMILY SIDE BY SIDE	2459-2466
CARD 29, FIELD 4	TWO-FAMILY OTHER	2467-2474
CARD 29, FIELD 5	THREE-FAMILY	2475-2482
CARD 29, FIELD 6	FOUR-FAMILY	2483-2490
CARD 29, FIELD 7	ONE-FOUR-FAMILY WITH BUSINESS	2491-2498
CARD 29, FIELD 8	FIVE-NINE- FAMILY	2499-2506
CARD 29, FIELD 9	TEN-NINETEEN-FAMILY	2507-2514
CARD 29, FIELD 10	TWENTY-FAMILY+	2515-2522
CARD 29, FIELD 11	OTHER	2523-2530

NUMBER OF PERSONS IN HOUSEHOLDS, SOURCE TABLE 6

CARD 30, FIELD 1	ALL OCCUPIED UNITS	2531-2538
CARD 30, FIELD 2	1-PERSON	2539-2546
CARD 30, FIELD 3	2-PERSONS	2547-2554
CARD 30, FIELD 4	3-PERSONS	2555-2562
CARD 30, FIELD 5	4-PERSONS	2563-2570
CARD 30, FIELD 6	5-PERSONS	2571-2578
CARD 30, FIELD 7	6-PERSONS	2579-2586
CARD 30, FIELD 8	7-PERSONS	2587-2594
CARD 30, FIELD 9	8-PERSONS	2595-2602
CARD 30, FIELD 10	9-PERSONS	2603-2610
CARD 30, FIELD 11	10-PERSONS	2611-2618
CARD 30, FIELD 12	11-PERSONS	2619-2626

PERSONS PER ROOM, SOURCE TABLE 6

CARD 31, FIELD 1	UNDER .51	\	2627-2634
CARD 31, FIELD 2	.51-.75	\	2635-2642
CARD 31, FIELD 3	.76-1.00	\	2643-2650
CARD 31, FIELD 4	1.01-1.50	ALL OCCUPIED UNITS	2651-2658
CARD 31, FIELD 5	1.51-2.00	/	2659-2666
CARD 31, FIELD 6	2.01+	/	2667-2674
CARD 31, FIELD 7	NOT REPORTING /		2675-2682
CARD 31, FIELD 8	UNDER .51	\	2683-2690

CARD 31, FIELD 9	.51-.75	\	2691-2698
CARD 31, FIELD 10	.76-1.00	\	2699-2706
CARD 31, FIELD 11	1.01-1.50	TENANT OCCUPIED	2707-2714
CARD 31, FIELD 12	1.51-2.00	/	2715-2722
CARD 31, FIELD 13	2.01+	/	2723-2730
CARD 31, FIELD 14	NOT REPORTING /		2731-2738

VALUE OF HOME, SOURCE TABLE 5

CARD 32, FIELD 1	NUMBER REPORTING	2739-2746
CARD 32, FIELD 2	UNDER 500	2747-2754
CARD 32, FIELD 3	500-699	2755-2762
CARD 32, FIELD 4	700-999	2763-2770
CARD 32, FIELD 5	1000-1499	2771-2778
CARD 32, FIELD 6	1500-1999	2779-2786
CARD 32, FIELD 7	2000-2499	2787-2794
CARD 32, FIELD 8	2500-2999	2795-2802
CARD 32, FIELD 9	3000-3999	2803-2810
CARD 32, FIELD 10	4000-4999	2811-2818
CARD 32, FIELD 11	5000-5999	2819-2826
CARD 32, FIELD 12	6000-7499	2827-2834
CARD 32, FIELD 13	7500-9999	2835-2842
CARD 32, FIELD 14	10000-14999	2843-2850
CARD 32, FIELD 15	15000-19999	2851-2858
CARD 33, FIELD 1	20000+	2859-2872
CARD 33, FIELD 2	MEDIAN	2873-2874

CONTRACT MONTHLY RENT, SOURCE TABLE 5

CARD 34, FIELD 1	NUMBER REPORTING	2875-2882
CARD 34, FIELD 2	UNDER 5	2883-2890
CARD 34, FIELD 3	5-6	2891-2898
CARD 34, FIELD 4	7-9	2899-2906
CARD 34, FIELD 5	10-14	2907-2914
CARD 34, FIELD 6	15-19	2915-2922
CARD 34, FIELD 7	20-24	2923-2930
CARD 34, FIELD 8	25-29	2931-2938
CARD 34, FIELD 9	30-39	2939-2946
CARD 34, FIELD 10	40-49	2947-2954
CARD 34, FIELD 11	50-59	2955-2962
CARD 34, FIELD 12	60-74	2963-2970
CARD 34, FIELD 13	75-99	2971-2978
CARD 34, FIELD 14	100-149	2979-2986

CARD 34, FIELD 15	150-199	2987-2994
CARD 35, FIELD 1	200+	2995-3002
CARD 35, FIELD 2	MEDIAN	3003-3010

GROSS MONTHLY RENT, SOURCE TABLE 5

CARD 36, FIELD 1	NUMBER REPORTING	3011-3018
CARD 36, FIELD 2	UNDER 5	3019-3026
CARD 36, FIELD 3	5-6	3027-3034
CARD 36, FIELD 4	7-9	3035-3042
CARD 36, FIELD 5	10-14	3043-3050
CARD 36, FIELD 6	15-19	3051-3058
CARD 36, FIELD 7	20-24	3059-3066
CARD 36, FIELD 8	25-29	3067-3074
CARD 36, FIELD 9	30-39	3075-3082
CARD 36, FIELD 10	40-49	3083-3090
CARD 36, FIELD 11	50-59	3091-3098
CARD 36, FIELD 12	60-74	3099-3106
CARD 36, FIELD 13	75-99	3107-3114
CARD 36, FIELD 14	100+	3115-3122
CARD 36, FIELD 15	MEDIAN	3123-3130

STATE OF REPAIR AND PLUMBING, SOURCE TABLE 6

CARD 37, FIELD 1	NOT NEEDING MAJOR REPAIRS	3131-3138
CARD 37, FIELD 2	--BATH AND TOILET	3139-3146
CARD 37, FIELD 3	--TOILET, NO BATH	3147-3154
CARD 37, FIELD 4	WATER, NO TOILET	3155-3162
CARD 37, FIELD 5	--NO WATER	3163-3170
CARD 37, FIELD 6	NEEDING MAJOR REPAIRS	3171-3178
CARD 37, FIELD 7	--BATH AND TOILET	3179-3186
CARD 37, FIELD 8	TOILET, NO BATH	3187-3194
CARD 37, FIELD 9	WATER, NO TOILET	3195-3202
CARD 37, FIELD 10	NO WATER	3203-3210
CARD 37, FIELD 11	NOT REPORTING	3211-3218

RADIO, REFRIGERATION, AND HEATING FUEL, SOURCE TABLE 6

CARD 38, FIELD 1	RADIO	3219-3226
CARD 38, FIELD 2	NO RADIO	3227-3234
CARD 38, FIELD 3	NOT REPORTING	3235-3242
CARD 38, FIELD 4	REFRIGERATION--MECHANICAL	3243-3250

CARD 38, FIELD 5	ICE	3251-3258
CARD 38, FIELD 6	OTHER	3259-3266
CARD 38, FIELD 7	NONE	3267-3274
CARD 38, FIELD 8	NOT REPORTED	3275-3282
CARD 38, FIELD 9	CENTRAL HEAT	3283-3290
CARD 38, FIELD 10	NO CENTRAL HEAT	3291-3298
CARD 38, FIELD 11	NOT REPORTED	3297-3306

1940 CENSUS TRACT DATA
-LAYOUT FOR TRACT LEVEL DATA

BLOCKSIZE/RECORD LENGTH COUNTER	1-8
TRACT ID	9-21

GENERAL CHARACTERISTICS OF THE POPULATION

CARD 1, FIELD 1	TOTAL POPULATION	22-26
CARD 1, FIELD 2	TOTAL WHITE POPULATION	27-31
CARD 1, FIELD 3	NATIVE WHITE POPULATION	32-36
CARD 1, FIELD 4	TOTAL NONWHITE POPULATION	37-41
CARD 1, FIELD 5	NEGRO POPULATION	42-46
CARD 1, FIELD 6	OCCUPIED DWELLING UNITS	47-51
CARD 1, FIELD 7	POPULATON PER OCCUPIED DWELLING U	52-56

SOURCE TABLE 3, COUNTRY BIRTH OF FOREIGN BORN WHITE (MALES)

CARD 2, FIELD 1	ALL COUNTRIES	57-61
CARD 2, FIELD 2	ENGLAND AND WALES	62-66
CARD 2, FIELD 3	SCOTLAND	67-71
CARD 2, FIELD 4	NORTHERN IRELAND	72-76
CARD 2, FIELD 5	EIRE	77-81
CARD 2, FIELD 6	NORWAY	82-86
CARD 2, FIELD 7	SWEDEN	87-91
CARD 2, FIELD 8	DENMARK	92-96
CARD 2, FIELD 9	NETHERLANDS	97-101
CARD 2, FIELD 10	BELGIUM	102-106
CARD 2, FIELD 11	SWITZERLAND	107-111
CARD 2, FIELD 12	FRANCE	112-116
CARD 2, FIELD 13	GERMANY	117-121
CARD 2, FIELD 14	POLAND	122-126
CARD 2, FIELD 15	CZECHOSLOVAKIA	127-131
CARD 2, FIELD 16	AUSTRIA	132-136
CARD 3, FIELD 1	HUNGARY	137-141
CARD 3, FIELD 2	YUGOSLAVIA	142-146
CARD 3, FIELD 3	RUSSIA	147-151
CARD 3, FIELD 4	LITHUANIA	152-156
CARD 3, FIELD 5	FINLAND	157-161
CARD 3, FIELD 6	ROMANIA	162-166
CARD 3, FIELD 7	GREECE	167-171
CARD 3, FIELD 8	ITALY	172-176
CARD 3, FIELD 9	SPAIN & PORTUGAL	177-181

CARD 3, FIELD 10	OTHER EUROPE	182-186
CARD 3, FIELD 11	ASIA	187-191
CARD 3, FIELD 12	CANADA-FRENCH	192-196
CARD 3, FIELD 13	CANADA-OTHER	197-198
CARD 3, FIELD 14	NEWFOUNDLAND	199-206
CARD 3, FIELD 15	MEXICO	207-211
CARD 3, FIELD 16	CUBA	212-216
CARD 4, FIELD 1	CENTRAL AMERICA	217-221
CARD 4, FIELD 2	OTHER	222-226

SOURCE TABLE 3, COUNTRY BIRTH OF FOREIGN BORN WHITE (FEMALES)

CARD 5, FIELD 1	ALL COUNTRIES	222-231
CARD 5, FIELD 2	ENGLAND AND WALES	232-236
CARD 5, FIELD 3	SCOTLAND	237-241
CARD 5, FIELD 4	NORTHERN IRELAND	242-246
CARD 5, FIELD 5	EIRE	247-251
CARD 5, FIELD 6	NORWAY	252-256
CARD 5, FIELD 7	SWEDEN	257-261
CARD 5, FIELD 8	DENMARK	262-266
CARD 5, FIELD 9	NETHERLANDS	267-271
CARD 5, FIELD 10	BELGIUM	272-276
CARD 5, FIELD 11	SWITZERLAND	277-281
CARD 5, FIELD 12	FRANCE	282-286
CARD 5, FIELD 13	GERMANY	287-291
CARD 5, FIELD 14	POLAND	292-296
CARD 5, FIELD 15	CZECHOSLOVAKIA	297-301
CARD 5, FIELD 16	AUSTRIA	302-306
CARD 6, FIELD 1	HUNGARY	307-311
CARD 6, FIELD 2	YUGOSLAVIA	312-316
CARD 6, FIELD 3	RUSSIA	317-321
CARD 6, FIELD 4	LITHUANIA	322-326
CARD 6, FIELD 5	FINLAND	327-331
CARD 6, FIELD 6	ROMANIA	332-336
CARD 6, FIELD 7	GREECE	337-341
CARD 6, FIELD 8	ITALY	342-346
CARD 6, FIELD 9	SPAIN & PORTUGAL	347-351
CARD 6, FIELD 10	OTHER EUROPE	352-356
CARD 6, FIELD 11	ASIA	357-361
CARD 6, FIELD 12	CANADA-FRENCH	362-366
CARD 6, FIELD 13	CANADA-OTHER	367-371
CARD 6, FIELD 14	NEWFOUNDLAND	372-376
CARD 6, FIELD 15	MEXICO	377-381
CARD 6, FIELD 16	CUBA	382-386

CARD 7, FIELD 1	CENTRAL AMERICA	387-391
CARD 7, FIELD 2	OTHER	392-396

SOURCE TABLE 3, YEARS OF SCHOOL COMPLETED (MALES)

CARD 8, FIELD 1	PERSON 25 & OVER	397-401
CARD 8, FIELD 2	NO SCHOOL COMPLETED	402-406
CARD 8, FIELD 3	ELEMENTARY 1-4	407-411
CARD 8, FIELD 4	ELEMENTARY 5-6	412-416
CARD 8, FIELD 5	ELEMENTARY 7-8	417-421
CARD 8, FIELD 6	HIGH SCHOOL 1-3	422-426
CARD 8, FIELD 7	HIGH SCHOOL 4	427-431
CARD 8, FIELD 8	COLLEGE 1-3	432-436
CARD 8, FIELD 9	COLLEGE 4+	437-441
CARD 8, FIELD 10	NOT REPORTED	442-446
CARD 8, FIELD 11	MEDIAN	447-451

SOURCE TABLE 3, YEARS OF SCHOOL COMPLETED (FEMALES)

CARD 9, FIELD 1	PERSON 25 & OVER	452-456
CARD 9, FIELD 2	NO SCHOOL COMPLETED	457-461
CARD 9, FIELD 3	ELEMENTARY 1-4	467-466
CARD 9, FIELD 4	ELEMENTARY 5-6	467-471
CARD 9, FIELD 5	ELEMENTARY 7-8	472-476
CARD 9, FIELD 6	HIGH SCHOOL 1-3	477-481
CARD 9, FIELD 7	HIGH SCHOOL 4	482-486
CARD 9, FIELD 8	COLLEGE 1-3	487-491
CARD 9, FIELD 9	COLLEGE 4+	492-496
CARD 9, FIELD 10	NOT REPORTED	497-501
CARD 9, FIELD 11	MEDIAN	502-506

AGE BY RACE BY MALES, SOURCE TABLE 2

CARD 10, FIELD 1	MALE POPULATION	507-511
CARD 10, FIELD 2	UNDER 5 YEARS	512-516
CARD 10, FIELD 3	AGE 5-9	517-521
CARD 10, FIELD 4	AGE 10-14	522-526
CARD 10, FIELD 5	AGE 15-19	527-531
CARD 10, FIELD 6	AGE 20-24	532-536
CARD 10, FIELD 7	AGE 25-29	537-541
CARD 10, FIELD 8	AGE 30-34	542-546
CARD 10, FIELD 9	AGE 35-39	547-551

CARD 10, FIELD 10	AGE 40-44	552-556
CARD 10, FIELD 11	AGE 45-49	557-561
CARD 10, FIELD 12	AGE 50-54	562-566
CARD 10, FIELD 13	AGE 55-59	567-571
CARD 10, FIELD 14	AGE 60-64	572-576
CARD 10, FIELD 15	AGE 65-69	577-581
CARD 11, FIELD 1	AGE 70-74	582-586
CARD 11, FIELD 2	AGE 75+	587-591
CARD 11, FIELD 3	UNDER 1 YEAR	592-596
CARD 11, FIELD 4	5 YEARS	597-601
CARD 11, FIELD 5	14 YEARS	602-606
CARD 11, FIELD 6	16-17 YEARS	607-611
CARD 11, FIELD 7	21 AND OVER	612-616

AGE BY RACE BY FEMALES, SOURCE TABLE 2

CARD 12, FIELD 1	FEMALE POPULATION	617-621
CARD 12, FIELD 2	UNDER 5 YEARS	622-626
CARD 12, FIELD 3	AGE 5-9	627-631
CARD 12, FIELD 4	AGE 10-14	632-636
CARD 12, FIELD 5	AGE 15-19	637-641
CARD 12, FIELD 6	AGE 20-24	642-646
CARD 12, FIELD 7	AGE 25-29	647-651
CARD 12, FIELD 8	AGE 30-34	652-656
CARD 12, FIELD 9	AGE 35-39	657-661
CARD 12, FIELD 10	AGE 40-44	662-666
CARD 12, FIELD 11	AGE 45-49	667-671
CARD 12, FIELD 12	AGE 50-54	672-676
CARD 12, FIELD 13	AGE 55-59	677-681
CARD 12, FIELD 14	AGE 60-64	682-686
CARD 12, FIELD 15	AGE 65-69	687-691
CARD 13, FIELD 1	AGE 70-74	692-696
CARD 13, FIELD 2	AGE 75+	697-701
CARD 13, FIELD 3	UNDER 1 YEAR	702-706
CARD 13, FIELD 4	5 YEARS	707-711
CARD 13, FIELD 5	14 YEARS	712-716
CARD 13, FIELD 6	16-17 YEARS	717-721
CARD 13, FIELD 7	21 AND OVER	722-726

AGE BY NATIVE WHITE MALES, SOURCE TABLE 2

CARD 14, FIELD 1	MALE POPULATION	727-731
CARD 14, FIELD 2	UNDER 5 YEARS	732-736
CARD 14, FIELD 3	AGE 5-9	737-741

CARD 14, FIELD 4	AGE 10-14	742-746
CARD 14, FIELD 5	AGE 15-19	747-751
CARD 14, FIELD 6	AGE 20-24	752-756
CARD 14, FIELD 7	AGE 25-29	757-761
CARD 14, FIELD 8	AGE 30-34	762-766
CARD 14, FIELD 9	AGE 35-39	767-771
CARD 145, FIELD 10	AGE 40-44	772-776
CARD 14, FIELD 11	AGE 45-49	777-781
CARD 14, FIELD 12	AGE 50-54	728-786
CARD 14, FIELD 13	AGE 55-59	787-791
CARD 14, FIELD 14	AGE 60-64	792-796
CARD 14, FIELD 15	AGE 65-69	797-801
CARD 15, FIELD 1	AGE 70-74	802-806
CARD 15, FIELD 2	AGE 75+	807-811
CARD 15, FIELD 3	UNDER 1 YEAR	812-816
CARD 15, FIELD 4	5 YEARS	817-821
CARD 15, FIELD 5	14 YEARS	822-826
CARD 15, FIELD 6	16-17 YEARS	827-831
CARD 15, FIELD 7	21 AND OVER	832-836

AGE BY NATIVE WHITE FEMALES, SOURCE TABLE 2

CARD 16, FIELD 1	FEMALE POPULATION	837-841
CARD 16, FIELD 2	UNDER 5 YEARS	842-846
CARD 16, FIELD 3	AGE 5-9	847-851
CARD 16, FIELD 4	AGE 10-14	852-856
CARD 16, FIELD 5	AGE 15-19	857-861
CARD 16, FIELD 6	AGE 20-24	862-866
CARD 16, FIELD 7	AGE 25-29	867-871
CARD 16, FIELD 8	AGE 30-34	872-876
CARD 16, FIELD 9	AGE 35-39	877-881
CARD 16, FIELD 10	AGE 40-44	882-886
CARD 16, FIELD 11	AGE 45-49	887-891
CARD 16, FIELD 12	AGE 50-54	892-896
CARD 167, FIELD 13	AGE 55-59	897-901
CARD 16, FIELD 14	AGE 60-64	902-906
CARD 16, FIELD 15	AGE 65-69	907-911
CARD 17, FIELD 1	AGE 70-74	912-916
CARD 17, FIELD 2	AGE 75+	917-921
CARD 17, FIELD 3	UNDER 1 YEAR	922-926
CARD 17, FIELD 4	5 YEARS	927-931
CARD 17, FIELD 5	14 YEARS	932-936
CARD 17, FIELD 6	16-17 YEARS	937-941
CARD 17, FIELD 7	21 AND OVER	942-946

AGE BY FOREIGN BORN WHITE MALES, SOURCE TABLE 2

CARD 18, FIELD 1	MALE POPULATION	947-951
CARD 18, FIELD 2	UNDER 5 YEARS	952-956
CARD 18, FIELD 3	AGE 5-9	957-961
CARD 18, FIELD 4	AGE 10-14	962-966
CARD 18, FIELD 5	AGE 15-19	967-971
CARD 18, FIELD 6	AGE 20-24	972-976
CARD 18, FIELD 7	AGE 25-29	977-981
CARD 18, FIELD 8	AGE 30-34	982-986
CARD 18, FIELD 9	AGE 35-39	987-991
CARD 18, FIELD 10	AGE 40-44	992-996
CARD 18, FIELD 11	AGE 45-49	997-1001
CARD 18, FIELD 12	AGE 50-54	1002-1006
CARD 18, FIELD 13	AGE 55-59	1007-1011
CARD 18, FIELD 14	AGE 60-64	1012-1016
CARD 18, FIELD 15	AGE 65-69	1017-1021
CARD 19, FIELD 1	AGE 70-74	1022-1026
CARD 19, FIELD 2	AGE 75+	1027-1031
CARD 19, FIELD 3	UNDER 1 YEAR	1032-1036
CARD 19, FIELD 4	5 YEARS	1037-1041
CARD 19, FIELD 5	14 YEARS	1042-1046
CARD 19, FIELD 6	16-17 YEARS	1047-1051
CARD 19, FIELD 7	21 AND OVER	1052-1056

AGE BY FOREIGN BORN WHITE FEMALES, SOURCE TABLE 2

CARD 20, FIELD 1	FEMALE POPULATION	1057-1061
CARD 20, FIELD 2	UNDER 5 YEARS	1062-1066
CARD 20, FIELD 3	AGE 5-9	1067-1071
CARD 20, FIELD 4	AGE 10-14	1072-1076
CARD 20, FIELD 5	AGE 15-19	1077-1081
CARD 20, FIELD 6	AGE 20-24	1082-1086
CARD 20, FIELD 7	AGE 25-29	1087-1091
CARD 20, FIELD 8	AGE 30-34	1092-1096
CARD 20, FIELD 9	AGE 35-39	1097-1101
CARD 20, FIELD 10	AGE 40-44	1102-1106
CARD 20, FIELD 11	AGE 45-49	1107-1111
CARD 20, FIELD 12	AGE 50-54	1112-1116
CARD 20, FIELD 13	AGE 55-59	1117-1121
CARD 20, FIELD 14	AGE 60-64	1122-1126
CARD 20, FIELD 15	AGE 65-69	1127-1131
CARD 21, FIELD 1	AGE 70-74	1132-1136

CARD 21, FIELD 2	AGE 75+	1137-1141
CARD 21, FIELD 3	UNDER 1 YEAR	1142-1146
CARD 21, FIELD 4	5 YEARS	1147-1151
CARD 21, FIELD 5	14 YEARS	1152-1156
CARD 21, FIELD 6	16-17 YEARS	1157-1161
CARD 21, FIELD 7	21 AND OVER	1162-1166

EMPLOYMENT STATUS (MALES) , SOURCE TABLE 3

CARD 22, FIELD 1	MALES 14 AND OVER	1167-1171
CARD 22, FIELD 2	IN LABOR FORCE	1172-1176
CARD 22, FIELD 3	EMPLOYED	1172-1181
CARD 22, FIELD 4	WAGE AND SALARY	1182-1186
CARD 22, FIELD 5	EMPLOYERS	1187-1191
CARD 22, FIELD 6	UNPAID FAMILY WORKERS	1192-1196
CARD 22, FIELD 7	NOT REPORTED	1197-1201
CARD 22, FIELD 8	PUBLIC EMERGENCY WORK	1202-1206
CARD 22, FIELD 9	SEEKING WORK	1207-1211
CARD 22, FIELD 10	EXPERIENCED WORKERS	1212-1216
CARD 22, FIELD 11	NEW WORKERS	1217-1221
CARD 23, FIELD 1	NOT IN LABOR FORCE	1222-1226
CARD 23, FIELD 2	HOUSEWORK	1227-1231
CARD 23, FIELD 3	SCHOOL	1232-1236
CARD 23, FIELD 4	UNABLE TO WORK	1237-1241
CARD 23, FIELD 5	INSTITUTIONS	1242-1246
CARD 23, FIELD 6	OTHER	1247-1251

EMPLOYMENT STATUS (FEMALES) , SOURCE TABLE 3

CARD 24, FIELD 1	FEMALES 14 AND OVER	1252-1256
CARD 24, FIELD 2	IN LABOR FORCE	1257-1261
CARD 24, FIELD 3	EMPLOYED	1262-1266
CARD 24, FIELD 4	WAGE AND SALARY	1267-1271
CARD 24, FIELD 5	EMPLOYERS	1272-1276
CARD 24, FIELD 6	UNPAID FAMILY WORKERS	1277-1281
CARD 24, FIELD 7	NOT REPORTED	1282-1286
CARD 24, FIELD 8	PUBLIC EMERGENCY WORK	1287-1291
CARD 24, FIELD 9	SEEKING WORK	1292-1296
CARD 24, FIELD 10	EXPERIENCED WORKERS	1297-1301
CARD 24, FIELD 11	NEW WORKERS	1302-1306
CARD 25, FIELD 1	NOT IN LABOR FORCE	1307-1311
CARD 25, FIELD 2	HOUSEWORK	1312-1316
CARD 25, FIELD 3	SCHOOL	1317-1321
CARD 25, FIELD 4	UNABLE TO WORK	1322-1326

CARD 25, FIELD 5	INSTITUTIONS	1327-1331
CARD 25, FIELD 6	OTHER	1332-1336

MAJOR OCCUPATIONAL GROUP (MALES), SOURCE TABLE 3

CARD 26, FIELD 1	MALES EMPLOYED	1337-1341
CARD 26, FIELD 2	PROFESSIONAL	1342-1346
CARD 26, FIELD 3	SEMIPROFESSIONAL	1347-1351
CARD 26, FIELD 4	PROPRIETORS	1352-1356
CARD 26, FIELD 5	CLERICAL	1357-1361
CARD 26, FIELD 6	CRAFTMEN	1362-1366
CARD 26, FIELD 7	OPERATIVES	1367-1371
CARD 26, FIELD 8	DOMESTICS	1372-1376
CARD 26, FIELD 9	SERVICE WORKERS	1377-1381
CARD 26, FIELD 10	LABORERS	1382-1386
CARD 26, FIELD 11	NOT REPORTED	1387-1391

MAJOR OCCUPATIONAL GROUP (FEMALES), SOURCE TABLE 3

CARD 27, FIELD 1	FEMALES EMPLOYED	1392-1396
CARD 27, FIELD 2	PROFESSIONAL	1397-1401
CARD 27, FIELD 3	SEMIPROFESSIONAL	1402-1406
CARD 27, FIELD 4	PROPRIETORS	1407-1411
CARD 27, FIELD 5	CLERICAL	1412-1416
CARD 27, FIELD 6	CRAFTMEN	1417-1421
CARD 27, FIELD 7	OPERATIVES	1422-1426
CARD 27, FIELD 8	DOMESTICS	1427-1431
CARD 27, FIELD 9	SERVICE WORKERS	1432-1436
CARD 27, FIELD 10	LABORERS	1437-1441
CARD 27, FIELD 11	NOT REPORTED	1442-1446

DWELLING UNITS BY OCCUPANCY STATUS AND RACE, SOURCE TABLE 4

CARD 28, FIELD 1	ALL DWELLING UNITS	1447-1451
CARD 28, FIELD 2	TOTAL OWNER OCCUPIED	1452-1456
CARD 28, FIELD 3	WHITE OWNER OCCUPIED	1457-1461
CARD 28, FIELD 4	NEGRO OWNER OCCUPIED	1462-1466
CARD 28, FIELD 5	OTHER NONWHITE OWNER OCCUPIED	1467-1471
CARD 28, FIELD 6	TOTAL TENANT OCCUPIED	1472-1476
CARD 28, FIELD 7	WHITE TENANT OCCUPIED	1477-1481
CARD 28, FIELD 8	NEGRO TENANT OCCUPIED	1482-1486
CARD 28, FIELD 9	OTHER NONWHITE TENANT OCCUPIED	1487-1491

CARD 28, FIELD 10	VACANT FOR SALE OR RENT	1492-1496
CARD 28, FIELD 11	VACANT NOT FOR SALE OF RENT	1497-1501

TYPE OF STRUCTURE, SOURCE TABLE 6

CARD 29, FIELD 1	ONE-FAMILY DETACHED	1505-1506
CARD 29, FIELD 2	ONE-FAMILY ATTACHED	1507-1511
CARD 29, FIELD 3	TWO-FAMILY SIDE BY SIDE	1512-1516
CARD 29, FIELD 4	TWO-FAMILY OTHER	1517-1521
CARD 29, FIELD 5	THREE-FAMILY	1522-1526
CARD 29, FIELD 6	FOUR-FAMILY	1527-1531
CARD 29, FIELD 7	ONE-FOUR-FAMILY WITH BUSINESS	1532-1536
CARD 29, FIELD 8	FIVE-NINE- FAMILY	1537-1541
CARD 29, FIELD 9	TEN-NINETEEN-FAMILY	1542-1546
CARD 29, FIELD 10	TWENTY-FAMILY+	1547-1551
CARD 29, FIELD 11	OTHER	1552-1556

NUMBER OF PERSONS IN HOUSEHOLDS, SOURCE TABLE 6

CARD 30, FIELD 1	ALL OCCUPIED UNITS	1557-1561
CARD 30, FIELD 2	1-PERSON	1562-1566
CARD 30, FIELD 3	2-PERSONS	1567-1571
CARD 30, FIELD 4	3-PERSONS	1572-1576
CARD 30, FIELD 5	4-PERSONS	1577-1581
CARD 30, FIELD 6	5-PERSONS	1582-1586
CARD 30, FIELD 7	6-PERSONS	1587-1591
CARD 30, FIELD 8	7-PERSONS	1592-1596
CARD 30, FIELD 9	8-PERSONS	1597-1601
CARD 30, FIELD 10	9-PERSONS	1602-1606
CARD 30, FIELD 11	10-PERSONS	1607-1611
CARD 30, FIELD 12	11-PERSONS	1612-1616

PERSONS PER ROOM, SOURCE TABLE 6

CARD 31, FIELD 1	UNDER .51	\	1617-1621
CARD 31, FIELD 2	.51-.75	\	1622-1626
CARD 31, FIELD 3	.76-1.00	\	1627-1631
CARD 31, FIELD 4	1.01-1.50	ALL OCCUPIED UNITS	1632-1636
CARD 31, FIELD 5	1.51-2.00	/	1637-1641
CARD 31, FIELD 6	2.01+	/	1642-1646
CARD 31, FIELD 7	NOT REPORTING /		1647-1651
CARD 31, FIELD 8	UNDER .51	\	1652-1656

CARD 31, FIELD 9	.51-.75	\	1657-1661
CARD 31, FIELD 10	.76-1.00	\	1662-1666
CARD 31, FIELD 11	1.01-1.50	TENANT OCCUPIED	1667-1671
CARD 31, FIELD 12	1.51-2.00	/	1672-1676
CARD 31, FIELD 13	2.01+	/	1677-1681
CARD 31, FIELD 14	NOT REPORTING /		1682-1686

VALUE OF HOME, SOURCE TABLE 5

CARD 32, FIELD 1	NUMBER REPORTING	1687-1691
CARD 32, FIELD 2	UNDER 500	1692-1696
CARD 32, FIELD 3	500-699	1697-1701
CARD 32, FIELD 4	700-999	1702-1706
CARD 32, FIELD 5	1000-1499	1707-1711
CARD 32, FIELD 6	1500-1999	1712-1716
CARD 32, FIELD 7	2000-2499	1717-1721
CARD 32, FIELD 8	2500-2999	1722-1726
CARD 32, FIELD 9	3000-3999	1727-1731
CARD 32, FIELD 10	4000-4999	1732-1736
CARD 32, FIELD 11	5000-5999	1737-1741
CARD 32, FIELD 12	6000-7499	1742-1746
CARD 32, FIELD 13	7500-9999	1747-1751
CARD 32, FIELD 14	10000-14999	1752-1756
CARD 32, FIELD 15	15000-19999	1757-1761
CARD 33, FIELD 1	20000+	1762-1766
CARD 33, FIELD 2	MEDIAN	1767-1771

CONTRACT MONTHLY RENT, SOURCE TABLE 5

CARD 34, FIELD 1	NUMBER REPORTING	1772-1776
CARD 34, FIELD 2	UNDER 5	1777-1781
CARD 34, FIELD 3	5-6	1782-1786
CARD 34, FIELD 4	7-9	1787-1791
CARD 34, FIELD 5	10-14	1792-1796
CARD 34, FIELD 6	15-19	1797-1801
CARD 34, FIELD 7	20-24	1802-1806
CARD 34, FIELD 8	25-29	1807-1811
CARD 34, FIELD 9	30-39	1812-1816
CARD 34, FIELD 10	40-49	1817-1821
CARD 34, FIELD 11	50-59	1822-1826
CARD 34, FIELD 12	60-74	1827-1831
CARD 34, FIELD 13	75-99	1832-1836
CARD 34, FIELD 14	100-149	1837-1841

CARD 34, FIELD 15	150-199	1842-1846
CARD 35, FIELD 1	200+	1847-1851
CARD 35, FIELD 2	MEDIAN	1852-1856

GROSS MONTHLY RENT, SOURCE TABLE 5

CARD 36, FIELD 1	NUMBER REPORTING	1857-1861
CARD 36, FIELD 2	UNDER 5	1862-1866
CARD 36, FIELD 3	5-6	1867-1871
CARD 36, FIELD 4	7-9	1872-1876
CARD 36, FIELD 5	10-14	1877-1881
CARD 36, FIELD 6	15-19	1882-1886
CARD 36, FIELD 7	20-24	1887-1891
CARD 36, FIELD 8	25-29	1892-1896
CARD 36, FIELD 9	30-39	1897-1901
CARD 36, FIELD 10	40-49	1902-1906
CARD 36, FIELD 11	50-59	1907-1911
CARD 36, FIELD 12	60-74	1912-1916
CARD 36, FIELD 13	75-99	1917-1921
CARD 36, FIELD 14	100+	1922-1926
CARD 36, FIELD 15	MEDIAN	1927-1931

STATE OF REPAIR AND PLUMBING, SOURCE TABLE 6

CARD 37, FIELD 1	NOT NEEDING MAJOR REPAIRS	1932-1936
CARD 37, FIELD 2	--BATH AND TOILET	1937-1941
CARD 37, FIELD 3	--TOILET, NO BATH	1942-1946
CARD 37, FIELD 4	WATER, NO TOILET	1947-1951
CARD 37, FIELD 5	--NO WATER	1952-1956
CARD 37, FIELD 6	NEEDING MAJOR REPAIRS	1957-1961
CARD 37, FIELD 7	--BATH AND TOILET	1962-1966
CARD 37, FIELD 8	--TOILET, NO BATH	1967-1971
CARD 37, FIELD 9	--WATER, NO TOILET	1972-1976
CARD 37, FIELD 10	--NO WATER	1977-1981
CARD 37, FIELD 11	NOT REPORTING	1982-1986

RADIO, REFRIGERATION, AND HEATING FUEL, SOURCE TABLE 6

CARD 38, FIELD 1	RADIO	1987-1991
CARD 38, FIELD 2	NO RADIO	1992-1996
CARD 38, FIELD 3	NOT REPORTING	1993-1997
CARD 38, FIELD 4	REFRIGERATION--MECHANICAL	1997-2001

CARD 38, FIELD 5	--ICE	2002-2006
CARD 38, FIELD 6	--OTHER	2007-2011
CARD 38, FIELD 7	--NONE	2012-2016
CARD 38, FIELD 8	--NOT REPORTED	2017-2021
CARD 38, FIELD 9	CENTRAL HEAT	2022-2026
CARD 38, FIELD 10	NO CENTRAL HEAT	2027-2031
CARD 38, FIELD 11	NOT REPORTED	2032-2036
		2037-2041

1940 Census Tract

Although tract ID's are allocated an 8 column field, there are four possible subfields to the ID: prefix, tract number, suffix, and a code for split tracts. The subfields are to be punched as follows:

COLUMNS

FIELD

1-2.....prefix (generally alphabetic)
3-5.....tract number
6-7.....suffix (alphabetic or numeric)
8.....code for split tracts (0 if not split)

~~Deck~~

Card 1, General Characteristics of the Population, Table 1

<u>Field</u>	<u>Column</u>	<u>Contents</u>
--	1-8.....	Tract ID
1	9-13.....	Total Population
2	14-18.....	Total White Population
3	19-23.....	Native White Population
4	24-28.....	Total Nonwhite Population
5	29-33.....	Negro Population
6	34-37.....	Occupied Dwelling Units
7	38-41.....	Population per Occupied Dwelling Unit
--	42-72.....	Skip
--	73,76.....	Sequence Number
--	77-80.....	Deck Number 0010

1940 Census Tract

Card 2, Source Table 3, Country of Birth of Foreign Born White (Males)

<u>Field</u>	<u>Column</u>	<u>Contents</u>
--	1-8.....	Tract ID
1	9-12.....	All Countries
2	13-16.....	England and Wales
3	17-20.....	Scotland
4	21-24.....	Northern Ireland
5	25-28.....	Eire
6	29-32.....	Norway
7	33-36.....	Sweden
8	37-40.....	Denmark
9	41-44.....	Netherlands
10	45-48.....	Belgium
11	49-52.....	Switzerland
12	53-56.....	France
13	57-60.....	Germany
14	61-64.....	Poland
15	65-68.....	Czechoslovakia
16	69-72.....	Austria
--	73-76.....	Sequence Number
--	77-80.....	Deck Number 0020

1940 Census Tract

Card 3, Source Table 3, Country of Birth of Foreign Born White (Males)

<u>Field</u>	<u>Column</u>	<u>Contents</u>
--	1-8.....	Tract ID
1	9-12.....	Hungary
2	13-16.....	Yugoslavia
3	17-20.....	Russia
4	21-24.....	Lithuania
5	25-28.....	Finland
6	29-32.....	Romania
7	33-36.....	Greece
8	37-40.....	Italy
9	41-44.....	Spain & Portugal
10	45-48.....	Other Europe
11	49-52.....	Asia
12	53-56.....	Canada-French
13	57-60.....	Canada-Other
14	61-64.....	Newfoundland
15	65-68.....	Mexico
16	69-72.....	Cuba
--	73-76.....	Sequence Number
--	77-80.....	Deck Number 0030

1940 Census Tract

Card 4, Source Table 3, Country of Birth of Foreign Born White (Males)

<u>Field</u>	<u>Column</u>	<u>Contents</u>
--	1-8.....	Tract ID
1	9-12.....	Central America
2	13-16.....	Other <i>↑ not Reported</i>
--	17-72.....	Skip
--	73-76.....	Sequence Number
--	77-80.....	Deck Number 0040

1940 Census Tract

Cards 5-7, Source Table 3, Country of Birth of Foreign Born White (Females)

<u>Field</u>	<u>Column</u>	<u>Contents</u>
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--	1-8.....	Tract ID
----	----------	----------

SAME AS CARDS 2-4, EXCEPT DECK NUMBER, COLUMNS 77-80 --0050, 0060, 0070

1940 Census Tract

Card 8, Source Table 3, Years of school completed (Males)

<u>Field</u>	<u>Column</u>	<u>Contents</u>
--	1-8.....	Tract ID
1	9-13.....	Person 25 & over - S
2	14-18.....	No school completed
3	19-23.....	Elementary 1-4 -
4	24-28.....	Elementary 5-6
5	29-33.....	Elementary 7-8
6	34-38.....	High school 1-3
7	39-43.....	High school 4
8	44-48.....	College 1-3
9	49-53.....	College 4+
10	54-58.....	Not reported S
11	59-62.....	Median - 61
--	63-72.....	Skip
--	73-76.....	Sequence Number
--	77-80	Deck Number 0080

1940 Census Tract

Card 9, Source Table 3, Years of School Completed (Female)

Field	Column	Contents
--	1-8.....	Tract ID

SAME AS CARD 8, EXCEPT FOR FEMALES

-- 77-80.....Deck Number 0090

1940 Census Tract

Card 10, Age by Race by Males, Source Table 2

<u>Field</u>	<u>Column</u>	<u>Contents</u>
--	1-8.....	Tract ID
1	9 -13.....	Male Population
2	14 -18.....	Under 5 Years
3	19 -23.....	5-9
4	24 -27.....	10-14
5	28 -31.....	15-19
6	32 -35.....	20-24
7	36 -39.....	25-29
8	40 -43.....	30-34
9	44 -47.....	35-39
10	48 -51.....	40-44
11	52 -55.....	45-49
12	56 -59.....	50-54
13	60 -63.....	55-59
14	64 -67.....	60-64
15	68 -71.....	65-69
--	72.....	Skip
--	73-76.....	Sequence Number
--	77-80.....	Deck Number 0100

1940 Census Tract

Card 11, Age by Race by Males (cont), Source Table 2

Field	Column	Contents
--	1-8.....	Tract ID
1	9-12	70-74 -
2	13-16	75+ -
--	17-20.....	Skip -
3	21-25.....	Under 1 Year -
4	26-30.....	5 Years - S
5	31-35.....	14 Years - S
6	36-40.....	16-17 Years - S
7	41-45.....	21 and Over - S
8	46-72.....	Skip
--	73-76.....	Sequence Number
--	77-80.....	Deck Number 0110

skipped 15 yr.

1940 Census Tract

Card 16-17, Age by Native White Females, Source Table 2

<u>Field</u>	<u>Column</u>	<u>Contents</u>
--	1-8.....	Tract ID

SAME AS CARDS 10-11, EXCEPT DECK NUMBER, COLUMNS 77-80 -- 0160, 0170

Card 18-19, Age by Foreign born White Males, Source Table 2

<u>Field</u>	<u>Column</u>	<u>Contents</u>
--------------	---------------	-----------------

--	1-8.....	Tract ID
----	----------	----------

SAME AS CARDS 10-11, EXCEPT DECK NUMBER, COLUMNS 77-80 -- 0180, 0190

1940 Census Tract

Card 20-21, Age by Foreign-born White Females, Source Table 2

<u>Field</u>	<u>Column</u>	<u>Contents</u>
--------------	---------------	-----------------

--	1-8.....	Tract ID
----	----------	----------

SAME AS CARDS 10-11, EXCEPT DECK NUMBER, COLUMNS 77-80 -- 0200, 0210

1940 Census Tract

Card 22, Employment Status (males), Source Table 3

Field	Column	Contents
--	1-8.....	Tract ID
--	9-10.....	Skip
1	11-15.....	Males 14 and Over - S
2	16-20.....	In labor Force - S
3	21-25.....	Employed - S
4	26-30.....	Wage and Salary - S
5	31-35.....	Employers - S
6	36-40.....	Unpaid Family Workers - S
7	41-45.....	Not Reported
8	46-50.....	Public Emergency Work - S
9	51-55.....	Seeking Work - S (unemp)?
10	56-60.....	Experienced Workers - S
11	61-65.....	New Workers - S
--	66-72.....	Skip
--	73-76.....	Sequence Number
--	77-80.....	Deck Number 0220

1940 Census Tract

Card 23, Employment Status (Males), Source Table 3

<u>Field</u>	<u>Column</u>	<u>Contents</u>
--	1-8.....	Tract ID
--	9-10.....	Skip
1	11-15.....	Not in Labor Force - S
2	16-20.....	Housework - S
3	21-25.....	School - S
4	26-30.....	Unable To Work - S
5	31-35.....	Institutions - S
6	36-40.....	Other - S
--	41-72.....	Skip
--	73-76.....	Sequence Number
--	77-80.....	Deck Number 0230

1940 Census Tract

Card 24-25, Employment Status (Female), Source Table 3

<u>Field</u>	<u>Column</u>	<u>Contents</u>
--------------	---------------	-----------------

--	1-8.....	Tract ID
----	----------	----------

SAME AS CARDS 22-23, EXCEPT DECK NUMBER, COLUMNS 77-80 -- 0240, 0250

Card 26, Major Occupational Group (Males), Source Table 3

<u>Field</u>	<u>Column</u>	<u>Contents</u>
--	1-8.....	Tract ID
--	9-10.....	Skip
1	11-15.....	Males Employed
2	16-19.....	Professional
3	20-23.....	Semiprofessional
4	24-27.....	Proprietors
5	28-31.....	Clerical
6	32-35.....	Craftsmen
7	36-39.....	Operatives
8	40-43.....	Domestics
9	44-47.....	Service Workers
10	48-51.....	Laborers
11	52-55.....	Not Reported
--	56-72.....	Skip
--	73-76.....	Sequence Number
--	77-80.....	Deck Number 0260

1940 Census Tract

Card 27, Major Occupational Group (Females), Source Table 3

<u>Field</u>	<u>Column</u>	<u>Contents</u>
--------------	---------------	-----------------

--	1-8.....	Tract ID
----	----------	----------

SAME AS CARD 26, EXCEPT DECK NUMBER, COLUMNS 77-80 -- 0270

1940 Census Tract

Card 28, Dwelling Units by Occupancy Status and Race, Source Table 4

<u>Field</u>	<u>Column</u>	<u>Contents</u>
--	1-8.....	Tract ID
--	9-10.....	Skip
1	11-15.....	All Dwelling Units
2	16-20.....	Total Owner Occupied
3	21-25.....	White Owner Occupied
4	26-30.....	Negro Owner Occupied
5	31-35.....	Other Nonwhite Owner Occupied
6	36-40.....	Total Tenant Occupied
7	41-45.....	White Tenant Occupied
8	46-50.....	Negro Tenant Occupied
9	51-55.....	Other Nonwhite Tenant Occupied
10	56-60.....	Vacant for Sale or Rent
11	61-65.....	Vacant Not for Sale or Rent
--	66-72.....	Skip
--	73-76.....	Sequence Number
--	77-80.....	Deck Number 0280

1940 Census Tract

Card 29, Type of Structure, Source Table 6

<u>Field</u>	<u>Column</u>	<u>Contents</u>
--	1-8.....	Tract ID
1	9-12.....	1-Family Detached
2	13-16.....	1-Family Attached
3	17-20.....	2-Family Side by Side
4	21-24.....	2-Family Other
5	25-28.....	3-Family
6	29-32.....	4-Family
7	33-36.....	1-4-Family with Business
8	37-40.....	5-9-Family
9	41-44.....	10-19-Family
10	45-48.....	20-Family+
11	49-52.....	Other
--	53-72.....	Skip
--	73-76.....	Sequence Number
--	77-80.....	Deck Number 0290

1940 Census Tract

Card 30, Number of Persons in Households, Source Table 6

<u>Field</u>	<u>Column</u>	<u>Contents</u>
--	1-8.....	Tract ID
--	9-10.....	Skip
1	11-15.....	All Occupied Units
2	16-19.....	1 Person
3	20-23.....	2 Persons
4	24-27.....	3 Persons
5	28-31.....	4 Persons
6	32-35.....	5 Persons
7	36-39.....	6 Persons
8	40-43.....	7 Persons
9	44-47.....	8 Persons
10	48-51.....	9 Persons
11	52-55.....	10 Persons
12	56-59.....	11+ Persons
--	60-72.....	Skip
--	73-76.....	Sequence Number
--	77-80.....	Deck Number 0300

1940 Census Tract

Card 31, Persons Per Room, Source Table 6

<u>Field</u>	<u>Column</u>	<u>Contents</u>	
--	1-8.....	Tract ID	
1	9-12.....	Under .5 4	All Occupied Units
2	13-16.....	.51-.75	
3	17-20.....	.76-1.00	
4	21-24.....	1.01-1.50	
5	25-28.....	1.51-2.00	
6	29-32.....	2.01+	
7	33-36.....	Not Reporting	Tenant Occupied
8	37-40.....	Under .51	
9	41-44.....	.51-.75	
10	45-48.....	.76-1.00	
11	49-52.....	1.01-1.50	
12	53-56.....	1.51-2.00	
13	57-60.....	2.01+	
14	61-64.....	Not Reporting	
--	65-72.....	Skip	
--	73-76.....	Sequence Number	
--	77-80.....	Deck Number 0310	

1940 Census Tract

Card 32. Value of Home, Source Table 5

<u>Field</u>	<u>Column</u>	<u>Contents</u>
--	1-8.....	Tract ID
1	9-13.....	Number Reporting
2	14-17.....	Under 500 4
3	18-21.....	500-699 - 4
4	22-25.....	700-999 4
5	26-29.....	1000-1499
6	30-33.....	1500-1999
7	34-37.....	2000-2499
8	38-41.....	2500-2999
9	42-45.....	3000-3999
10	46-49.....	4000-4999
11	50-53.....	5000-5999
12	54-57.....	6000-7499
13	58-61.....	7500-9999
14	62-65.....	10000-14999
15	66-69.....	15000-19999
--	70-72.....	Skip
--	73-76.....	Sequence Number
--	77-80.....	Deck Number 0320

Card 33, Value of Home (cont), Source Table 5

<u>Field</u>	<u>Column</u>	<u>Contents</u>
--	1-8.....	Tract ID
--	9-10.....	Skip
1	11-14.....	20000+
2	15-19.....	Median
--	20-72.....	Skip
--	73-76.....	Sequence Number
--	77-80.....	Deck Number 0330

74.13

1940 Census Tract

Card 34, Contract Monthly Rent, Source Table 5

<u>Field</u>	<u>Column</u>	<u>Contents</u>
--	1-8.....	Tract ID
1	9-13.....	Number Reporting
2	14-17.....	Under 5
3	18-21.....	5-6
4	22-25.....	7-9
5	26-29.....	10-14
6	30-33.....	15-19
7	34-37.....	20-24
8	38-41.....	25-29
9	42-45.....	30-39
10	46-49.....	40-49
11	50-53.....	50-59
12	54-57.....	60-74
13	58-61.....	75-99
14	62-65.....	100-149
15	66-69.....	150-199
--	70-72.....	Skip
--	73-76.....	Sequence Number
--	77-80.....	Deck Number 0340

1940 Census Tract

Card 35, Contract Monthly Rent (cont.), Source Table 5

<u>Field</u>	<u>Column</u>	<u>Contents</u>
--	1-8.....	Tract ID
--	9-10.....	Skip
1	11-14.....	200+
2	15-19.....	Median
--	20-72.....	Skip
--	73-76.....	Sequence Number
--	77-80.....	Deck Number 0350

1940 Census Tract

Card 36, Gross Monthly Rent, Source Table 5

<u>Field</u>	<u>Column</u>	<u>Contents</u>
--	1-8.....	Tract ID
1	9-13.....	Number Reporting
2	14-17.....	Under 5
3	18-21.....	5-6
4	22-25.....	7-9
5	26-29.....	10-14
6	30-33.....	15-19
7	34-37.....	20-24
8	38-41.....	25-29
9	42-45.....	30-39
10	46-49.....	40-49
11	50-53.....	50-59
12	54-57.....	60-74
13	58-61.....	75-99
14	62-65.....	100+
15	66-70.....	Median
--	71-72.....	Skip
--	73-76.....	Sequence Number
--	77-80.....	Deck Number 0360

1940 Census Tract

Card 37, State of Repair and Plumbing, Source Table 6

<u>Field</u>	<u>Column</u>	<u>Contents</u>
--	1-8.....	Tract ID
1	9-12.....	Not Needing Major Repairs
2	13-16.....	Bath and Toilet
3	17-20.....	Toilet, No Bath
4	21-24.....	Water, No Toilet
5	25-28.....	No Water
6	29-32.....	Needing Major Repairs
7	33-36.....	Bath and Toilet
8	37-40.....	Toilet, No Bath
9	41-44.....	Water, No Toilet
10	45-48.....	No Water
11	49-52.....	Not Reporting
--	53-72.....	Skip
--	73-76.....	Sequence Number
--	77-80.....	Deck Number 0370

1940 Census Tract

Card 38, Radio, Refrigeration, and Heating Fuel, Source Table 6

<u>Field</u>	<u>Column</u>	<u>Contents</u>
--	1-8.....	Tract ID
1	9-12.....	Radio
2	13-16.....	No Radio
3	17-20.....	Not Reported
4	21-24.....	Refrigeration--Mechanical
5	25-28.....	Ice
6	29-32.....	Other
7	33-36.....	None
8	37-40.....	Not Reported
9	41-44.....	Central Heat
10	45-48.....	No Central Heat
11	49-52.....	Not Reported
--	53-72.....	Skip
--	73-76.....	Sequence Number
	77-80.....	Deck Number 0380

National Archives at College Park



8601 Adelphi Road College Park MD 20740-6001

Theodore J. Hull
September 16, 1998
NN3-CFS-96-999

**Documentation for the Census Tract Data, 1940:
Elizabeth Mullen Bogue File**

Following are two pages of sample records printed from the Census Tract Data, 1940: Elizabeth Mullen Bogue File, file for Atlantic City, New Jersey, created from the records as provided to the Center for Electronic Records. Brown University transferred the data to the National Archives in EBCDIC, IBM Standard labelled, on 9-track, 6250 bpi open reel magnetic tapes. The files have variable length records. These files were preservation copied by the National Archives on to 18-track, 37,871 bpi, 3480-class tape cartridges in EBCDIC, with IBM standard labels.

Reference Copy 1

***FI18 PRINT OF HEADER LABELS:

VBL1CEN401
HBR1ATLTIC CEN40100010001 2DM700A001
HBR2V033060330240REFORM40/GO 81028 000000000000IBM OS/VS 370
46347

***FI21 CURRENT DATA SET NUMBER IS - 00001
***WT2 BLOCK 1, RECORD 1, RECORD

1 IN ENTIRE FILE, RECORD SIZE 3302 .

W ATLANTIC CITY, NEW JERSEY 1940 METR 23 64094 48347 40152 15747 15668 17791 360
4054 279 97 70 183 46 25 13 16 4 29 50 233 183 13 178
81 6 1173 45 4 84 97 25 901 9 52 98 8 22 48 4 260 3 194 1 11
179 9 4141 409 123 154 407 29 30 578 2392 855 965 571 83 23582 950 1
8 2658 8444 3965 3627 823 692 555 84 2997 2392 1660 1693 2102 2315 2190 2358 234
68 2436 2565 2469 2317 1757 1438 1094 674 505 322 338 453 952 21733 34181 1623
1766 2057 2502 2651 2873 2734 2868 2931 2769 2398 2081 1758 1388 969 813 292
308 413 945 25679 18340 1223 1192 1584 1703 1683 1635 1532 1336 1315 1177 1110
66 748 573 373 290 248 233 361 703 12334 21812 1134 1223 1508 1901 1974 198
1742 1655 1698 1546 1351 1116 1043 820 600 518 197 207 300 722 15626 4054
0 1 9 14 32 33 97 183 318 522 656 642 493 402 307 199 146
47 552 450 339 244 186 4988 141 1934 1436 6 4065 24911 19923 14925 11569 3218 7
61 2512 2486 2290 196 4988 141 1934 1436 12 1465 29148 10955 8616 7503 864
205 44 805 1534 1360 174 18193 12855 1795 1934 12 1597 14925 698 161 2290
2514 2262 2162 113 3860 727 138 8616 834 78 451 2280 59 618 1548 2671 302
7 70 22138 3020 2642 375 3 14771 11068 3671 32 3862 485 4030 2913 1560 302
1509 960 1341 1975 2021 2756 47 17791 2099 5147 3794 2836 1674 991 518 337
177 92 126 6473 4582 4463 1352 537 132 252 4709 3896 4046 1249 525 127
219 2505 15 16 16 86 631 129 227 236 450 284 290 243 189 165 79
80 4271 14610 18 18 65 631 1815 2793 2827 3071 1643 797 425 232 199 4
32 2848 12579 3 14 14 29 232 795 1352 1722 3655 2546 1132 570 260 269
3586 17001 16193 197 496 115 3143 2825 91 200 27 1994 16042 1204 545 9088
7473 220 579 431 15285 2203 9*

***WT2 BLOCK 2, RECORD 1, RECORD

2 IN ENTIRE FILE, RECORD SIZE 3302 .

W ATLANTIC CITY, NEW JERSEY 1940 CITY 23 64094 48347 40152 15747 15668 17791 360
4054 279 97 70 183 46 25 13 16 4 29 50 233 183 13 178
81 6 1173 45 4 84 97 25 901 9 52 98 8 22 48 4 260 3 194 1 11
179 9 4141 409 123 154 407 29 30 578 2392 855 965 571 83 23582 950 1
8 2658 8444 3965 3627 823 692 555 84 2997 2392 1660 1693 2102 2315 2190 2358 234
68 2436 2565 2469 2317 1757 1438 1094 674 505 322 338 453 952 21733 34181 1623
1766 2057 2502 2651 2873 2734 2868 2931 2769 2398 2081 1758 1388 969 813 292
308 413 945 25679 18340 1223 1192 1584 1703 1683 1635 1532 1336 1315 1177 1110
66 748 573 373 290 248 233 361 703 12334 21812 1134 1223 1508 1901 1974 198
1742 1655 1698 1546 1351 1116 1043 820 600 518 197 207 300 722 15626 4054
0 1 9 14 32 33 97 183 318 522 656 642 493 402 307 199 146
47 552 450 339 244 186 4988 141 1934 1436 6 4065 24911 19923 14925 11569 3218 7
61 2512 2486 2290 196 4988 141 1934 1436 12 1465 29148 10955 8616 7503 864
205 44 805 1534 1360 174 18193 12855 1795 1934 12 1597 14925 698 161 2290
2514 2262 2162 113 3860 727 138 8616 834 78 451 2280 59 618 1548 2671 302
7 70 22138 3020 2642 375 3 14771 11068 3671 32 3862 485 4030 2913 1560 302
1509 960 1341 1975 2021 2756 47 17791 2099 5147 3794 2836 1674 991 518 337
177 92 126 6473 4582 4463 1352 537 132 252 4709 3896 4046 1249 525 127
219 2505 15 16 16 86 631 129 227 236 450 284 290 243 189 165 79
80 4271 14610 18 18 65 631 1815 2793 2827 3071 1643 797 425 232 199 4
32 2848 12579 3 14 14 29 232 795 1352 1722 3655 2546 1132 570 260 269
3586 17001 16193 197 496 115 3143 2825 91 200 27 1994 16042 1204 545 9088
7473 220 579 431 15285 2203 9*

[illegible]