Appendix A.—AREA CLASSIFICATIONS

USUAL PLACE OF RESIDENCE .. App-1

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USUAL PLACE OF RESIDENCE

In accordance with census practice dating back to 1790, each person enumerated in the 1970 census was counted as an inhabitant of his usual place of residence, which is generally construed to mean the place where he lives and sleeps most of the time. This place is not necessarily the same as his legal residence, voting residence, or domicile. In the vast majority of cases, however, the use of these different bases of classification would produce substantially the same statistics, although there may be appreciable differences for a few areas.

STATE ECONOMIC AREAS

Definition.-State economic areas are relatively homogeneous subdivisions of States. They consist of single counties or groups of counties which have similar economic and social characteristics. The boundaries of these areas have been drawn in such a way that each State is subdivided into relatively few parts, with each part having certain significant characteristics which distinguish it from adjoining areas. The SEA's, as delineated, are shown on the map of the United States on pages VIII and IX. The counties comprising each SEA are listed at the end of this appendix.

State economic areas were originally delineated for the 1950 census. The 1960 set of State economic areas represented a limited revision of the 1950 areas in order to take into account changes in the definitions of standard metropolitan statistical areas and to create areas for Alaska and Hawaii. The 1970 set of State economic areas is the same as in 1960, except for the designation of Brown County, Wisconsin, as a separate SEA. Thus, there are 510 SEA's in 1970 instead of the 509 in 1960.

Metropolitan and nonmetropolitan SEA's.-The combination of counties into State economic areas has been made for the entire country, and in this process the larger standard metropolitan statistical areas (those in 1960 with a central city of 50,000 or more and a total population of 100,000 or more) have been recognized as metropolitan State economic areas. When a standard metropolitan statistical area is located in two or more States, each State part becomes a separate metropolitan State economic area. In New England this correspondence of metropolitan State economic areas and standard metropolitan statistical areas does not exist because State economic areas are composed of whole counties, whereas standard metropolitan statistical areas are built up from towns. Here, a county with more than half its population in one or more standard metropolitan statistical areas is classified as a metropolitan State economic area if the county or a combination of counties containing the standard metropolitan statistical area or areas has 100,000 inhabitants or more.

State economic areas are identified by the name of the State in which they are located followed by a letter (A, B, C, etc.) or a number (1, 2, 3, etc.). Metropolitan SEA's are identified by the letter suffix and the nonmetropolitan SEA's by the number suffix.

STANDARD METROPOLITAN STATISTICAL AREAS

The Bureau of the Census recognizes 243 standard metropolitan statistical areas (SMSA's) in the United States and 4 in Puerto Rico, making a total of 247 in the 1970 census. These include the 231 SMSA's as defined and named in the Bureau of the Budget publication, Standard Metropolitan Statistical Areas: 1967, U.S. Government Printing Office, Washington, D.C. 20402. Since 1967 the Office of Management and Budget (formerly Bureau of the Budget) has added 16 SMSA's, of which 2 were defined in January 1968 and an additional 14 were defined in February 1971 on the basis of the results of the 1970 census. Changes in SMSA boundaries or titles made after February 1971 are not recognized in this report.

Except in the New England States, a standard metropolitan statistical area is a county or group of contiguous counties which contains at least one city of 50,000 inhabitants or more, or "twin cities" with a combined population of at least 50,000. In addition to the county, or counties, containing such a city or cities, contiguous counties are included in an SMSA if, according to certain criteria, they are socially and economically integrated with the central city. In a few SMSA's where portions of counties outside the SMSA as defined in 1967 were annexed to the central city, the population living in those counties is not considered part of the SMSA. In the New England States, SMSA's consist of towns and cities instead of counties.

Each SMSA must include at least one central city, and the complete title of an SMSA identifies the central city or cities. For a detailed description of the criteria used in defining SMSA's, see the Bureau of the Budget publication cited above.

The population living in SMSA's is designated as the metropolitan population. The population living outside SMSA's constitutes the nonmetropolitan population. The metropolitan population may be subdivided into those living in the central city or cities and those living in the balance of the SMSA.

List of Counties in Each State Economic Area

MAINE

AREA 1 Aroostook AREA 2 Franklin Oxford Penobscot

Somerset AREA 3 Hancock Knox Lincoln Waldo

Piscataguis

Washington AREA 4 Androscoggin Kennebec

Sagadahoc York AREA A

Cumberland

NEW HAMPSHIRE

- AREA 1 Belknap Carroll Coos Grafton Sullivan
- AREA 2 Cheshire Merrimack Rockingham Strafford

AREA A Hillsborough

VERMONT

AREA 1 Addison Chittenden Franklin Grand Isle Orleans

AREA 2 Bennington Caledonia Essex Lamoille Orange AREA 2–Con. Rutland Washington Windham Windsor

VERMONT-Con.

MASSACHUSETTS

AREA 1 Franklin AREA 2 Barnstable Dukes Nantucket

AREA A Hampden Hampshire

AREA B Worcester

AREA C Essex Middlesex Norfolk

Suffolk AREA D

Plymouth AREA E

Bristoł AREA F Berkshire

RHODE ISLAND

AREA 1 Newport Washington

AREA A Bristol Kent Providence

CONNECTICUT

AREA 1 Litchfield

AREA 2 Middlesex New London Tolland Windham CONNECTICUT-Con. AREA A Fairfield AREA B New Haven AREA C Hartford NEW YORK AREA 1 Orleans Wayne AREA 2 Genesee Livingston Ontario Seneca Wyoming Yates AREA 3 Allegany Cattaraugus Chautaugua Chemuna Schuyler Steuben Tioga Tompkins AREA 4 Cayuga Cortland

AREA 5 Fulton Hamilton Montgomery

AREA 6 Chenango Delaware Otsego Schoharie

AREA 7 Clinton Essex Franklin Jefferson Lewis St. Lawrence

AREA 8 Warren Washington

NEW YORK-Con. AREA 9 Columbia Dutchess Greene Orange Putnam Sullivan Ulster AREA A Erie Níagara AREA B Monroe AREA C Madison Onondaga Oswego AREA D Herkimer Oneida AREA E Broome AREA F Albany Rensselaer Saratoga Schenectady AREA G Bronx Kings Nassau New York Queens Richmond Rockland Suffolk Westchester NEW JERSEY AREA 1 Hunterdon Middlesex Monmouth Somerset Sussex AREA 2 Cape May Cumberland Ocean AREA A Warren

NEW JERSEY-Con.

AREA B Essex Morris Union AREA C Mercer AREA D Burlington Camden Gloucester AREA E Atlantic AREA F Salem AREA G Bergen Passaic AREA H Hudson PENNSYLVANIA AREA 1 Armstrong Butler Crawford Lawrence McKean Mercer Venango Warren AREA 2 Bradford Potter Susquehanna Tioga Wayne Wyoming AREA 3 Cameron Clinton Elk Forest Lycoming Sullivan AREA 4 Clarion Clearfield Favette Greene Indiana Jefferson

List of Counties in Each State Economic Area-Con.

PENNSYLVANIA-Con.	PEN
AREA 5 Bedford	ARE
Centre	ARE
Fulton Huntingdon	L
Juniata	1
Mifflin Perry	
Snyder	он
Union	ARI
AREA 6	
Carbon Columbia	
Monroe	(
Montour Northumberland	
Pike	
Schuylkill	
AREA 7	
Adams Franklin	AR
Lebanon	
AREA A	
Erie	
Bucks Chester	
Delaware	
Montgomery Bhiladalahia	
Philadelphia AREA C	۱ I
Lackawanna	ARI
AREA D	
Allegheny	l i
Beaver Washington	
Westmoreland	
AREA E	I
Cambria Somerset	
AREA F	
Blair	ARI
AREA G	
Luzerne	
AREA H	i i
Cumberland Dauphin	
AREA J	
York	
AREA K	ARE
Lancaster	Ċ

PENNSYLVANIA-Con. EA L Berks EA M Lehigh Northampton 10 EA 1 Defiance Fulton Henry Ottawa Paulding Putnam Sandusky Van Wert Williams Wood EA 2 Auglaize Crawford Hancock Hardin Logan Marion Mercer Seneca Union Wyandot EA 3 Champaign Clinton Darke Delaware Fayette Madison Pickaway Preble Shelby Warren EA 4 Ashland Erie Holmes Huron Medina Richland Wayne EA 5 Ashtabula Columbiana

OHIO-Con. AREA 5-Con. Geauga Portage AREA 6 Carroll Coshocton Fairfield Guernsey Harrison Jefferson Knox Licking Morrow Muskingum Perry Tuscarawas AREA 7 Adams Brown Clermont Highland Ross AREA 8 Athens Gailia Hocking Jackson Meigs Monroe Morgan Noble Pike Scioto Vinton Washington AREA A Lucas AREA B Franklin AREA C Greene Miami Montgomery AREA D Butler AREA E Cuyahoga Lake AREA F Summit AREA G Stark

OHIO-Con. AREA H Mahoning Trumbull AREA J Belmont AREA K Hamilton AREA L Lawrence AREA M Lorain AREA N Clarke AREA O Allen INDIANA AREA 1 Elkhart La Porte AREA 2 Fulton Jasper Kosciusko Marshall Newton Pulaski Starke AREA 3 Adams Blackford De Kalb Huntington Jay Lagrange Noble Steuben Wells Whitley AREA 4 Fayette Grant Henry Howard Madison Randolph Union Wayne AREA 5 Bartholomew Boone

INDIANA-Con.

AREA 5-Con. Decatur Hamilton Hancock Hendricks Johnson Putnam Rush Shelby Tipton AREA 6 Clay Daviess Gibson Greene Knox Morgan Owen Pike Posev Spencer Sullivan Warrick AREA 7 Brown Crawford Dubois Harrison Lawrence Martin Monroe Orange Perry Washington AREA 8 Dearborn Franklin Jackson Jefferson Jennings Ohio Ripley Scott Switzerland AREA 9 Benton Carroll Cass Clinton Fountain Miami Montgomery Parke Tippecanoe

List of Counties in Each State Economic Area-Con.

INDIANA-Con. AREA 9-Con. Vermillion Wabash Warren White AREA A Lake Porter AREA B St. Joseph AREA C Allen AREA D Marion AREA E Vanderburgh AREA F Clark Flovd AREA G Vigo AREA H Delaware ILLINOIS AREA 1 Carroll De Kalb Jo Daviess Lee Ogle Stephenson Whiteside AREA 2 Boone AREA 3 Bureau Fulton Hancock Henderson Henry Knox McDonough Marshall Mercer Putnam Stark Warren AREA 4 Adams Brown

ILLINOIS-Con, AREA 4-Con. Calhoun Greene Jersey Macoupin Montgomery Morgan Pike Schuvler Scott AREA 5 Grundy Kankakee Kendall La Salle AREA 6 Cass Champaign Christian Coles De Witt Douglas Edgar Ford Iroquois Livingston Logan McLean Mason Menard Moultrie Piatt Shelby Vermition Woodford AREA 7 Bond Clinton Effingham Fayette Monroe Randolph Washington AREA 8 Clav Cumberland Hamilton Jasper Marion Richland Wayne AREA 9 Clark Crawford

ILLINOIS-Con. AREA 9-Con. Edwards Gallatin Lawrence Wabash White AREA 10 Franklin Jefferson Perry Saline Williamson AREA 11 Alexander Hardin Jackson Johnson Massac Pope Pulaski Union AREA A Rock Island AREA B Winnebago AREA C Cook Du Page Kane í ake McHenry Will AREA D Peoria Tazewell AREA E Sangamon AREA F Madison St. Clair AREA G Macon MICHIGAN AREA 1 Barada Dickinson Gogebic Houghton Iron Keweenaw

MICHIGAN-Con. AREA 1-Con. Marquette Ontonagon AREA 2 Alger Chippewa Delta Luce Mackinac Menominee Schoolcraft AREA 3 Benzie Grand Traverse Leelanau Manistee Mason Oceana AREA 4 Alcona Alpena Antrim Arenac Charlevoix Cheboygan Clare Crawford Emmet Gladwin iosco Kalkaska Lake Mecosta Missaukee Montmorency Newaygo Ogemaw Osceola Oscoda Otsego Presque isle Roscommon Wexford AREA 5 Gratiot Huron Isabella Midland Montcalm Sanilac Tuscola AREA 6 Allegan Berrien

MICHIGAN-Con.

AREA 6-Con. Muskegon Ottawa Van Buren AREA 7 lonia Lapeer Livingston Shiawassee AREA 8 Monroe St. Clair AREA 9 Barry Branch Calhoun Cass Hillsdale Lenawee St. Joseph AREA A Saginaw AREA B Kent AREA C Bay AREA D Genesee AREA E Clinton Eaton Ingham AREAF Macomb Oakland Wayne AREA G Kalamazoo AREA H Jackson AREA J Washtenaw WISCONSIN AREA 1 Ashland Bayfield Burnett Florence Forest

List of Counties in Each State Economic Area-Con.

WISCONSIN-Con.	WISCONSIN-Con.	MINNESOTA-Con.	MINNESOTA-Con.	IOWA-Con.
AREA 1-Con.	AREA 7	AREA 2-Con.	AREA 7–Con.	AREA 2-Cor
Iron	Calumet	Itasca	Le Sueur	Dickinson
Langlade	Fond du Lac	Koochiching	Mower	Emmet
Lincoln	Manitowoc	Lake	Nicollet	Franklin
Oneida	Outagamie	Lake of the Woods	Sibley	Greene
Price	Sheboygan		Waseca	Hamilton
Rusk	Winnebago	AREA 3		Hancock
Sawver		Becker	AREA 8	Hardin
Vilas	AREA 8	Douglas	Cottonwood	Humboldt
Washburn	Columbia	Mahnomen	Faribault	Kossuth
Trasi Durn	Dodge	Otter Tail	Jackson	Osceola
AREA 2	Green Lake	Todd	Lincoln	Palo Alto
Barron	Jefferson	Wadena	Lyon	
Buffalo	Ozaukee	AREA 4	Martin	Pocahonta
Dunn	Rock	Benton	Murray	Story
La Crosse	Walworth		Nobles	Webster
Monroe	Washington	Chisago	Pipestone	Wright
		Isanti	Rock	AREA 3
Pepin	AREA A	Kanabec	Watonwan	Adair
Pierce	Douglas	Mille Lacs		Adams
Polk	AREA B	Morrison	AREA A	Appanoos
Richland	Dane	Pine	St. Louis	Clarke
St. Croix		Sherburne	AREAB	Davis
Sauk	AREA C	AREA 5	Anoka	
Trempealeau	Milwaukee	Big Stone	Dakota	Decatur
Vernon	AREA D	1 -	Hennepin	Guthrie
	Racine	Chippewa		Jefferson
AREA 3		Grant	Ramsey	Lucas
Crawford	AREA E	Kandiyohi	Washington	Madison
Grant	Waukesha	Lac qui Parle		Marion
Green	AREA F	Pope	IOWA	Monroe
lowa	Kenosha	Redwood		Ringgold
Lafayette	ABEAC	Renville	AREA 1	Taylor
	AREA G	Stevens	Audubon	Union
AREA 4	Brown	Swift	Buena Vista	Van Burer
Chippewa		Traverse		Wapello
Clark	MININESOTA	Yellow Medicine	Carroll	Warren
Eau Claire	MINNESOTA	AREA 6	Cass	Wayne
Marathon	AREA 1	Carver	Cherokee	10004
Taylor	Clay	Dodge	Crawford	AREA 4
Wood	Kittson	Goodhue	Fremont	Allamakee
	Marshall		Harrison	Bremer
AREA 5		McLeod	Ida	Buchanan
Adams	Norman	Meeker	Lyon	Butler
Jackson	Pennington	Olmsted	Mills	Cerro Gor
Juneau	Polk	Rice	Monona	Chickasaw
Marquette	Red Lake	Scott	Montgomery	Clayton
Portage	Roseau	Stearns	O'Brien	Delaware
Waushara	Wilkin	Steele	Page	Fayette
	AREA 2	Wabasha	Plymouth	Floyd
AREA 6	Aitkin	Winona	Sac	Howard
Door	Beltrami	Wright	Shelby	Mitchell
Kewaunee	Carlton	AREA 7	Sioux	Winnebag
Marinette	Cass	AREA 7		Winneshie
Menominee	Clearwater	Blue Earth	AREA 2	Worth
Oconto		Brown	Boone	
Shawano	Cook	Fillmore	Calhoun	AREA 5
Waupaca	Crow Wing	Freeborn	Clay	Benton
maupaca	Hubbard	Houston	Dallas	Grundy

List of Counties in Each State Economic Area-Con.

IOWA-Con. AREA 5-Con. Henry lowa Jasper Keokuk Mahaska Marshall Poweshiek Tama Washington AREA 6 Cedar Clinton **Des Moines** Dubuque Jackson Johnson Jones Lee Louisa Muscatine AREA A Woodbury AREA B Pottawattamie AREA C Polk AREA D Scott AREA E Black Hawk AREA F Linn MISSOURI AREA 1 Andrew Atchison Buchanan Carroll Clinton Holt Lafayette Nodaway Platte Ray

AREA 2 Adair Audrain Boone

Saline

MISSOURI-Con. AREA 2-Con. Caldwell Callaway Chariton Clark Daviess De Kalb Gentry Grundy Harrison Howard Knox Lewis Lincoln Linn Livingston Macon Marion Mercer Monroe Montgomery Pike Putnam Ralls Randolph Schuyler Scotland Shelby Sullivan Worth AREA 3 Barton Bates Cass Cedar Cooper Dade Henry Johnson Pettis St. Clair Vernon AREA 4 Barry Jasper Lawrence McDonald Newton AREA 5 Benton Camden Crawford Hickory Laclede Maries

MISSOURI-Con, AREA 5-Con. Miller Morgan Phelps Pulaski Washington AREA 6 Bollinger Cape Girardeau Cole Franklin Gasconade Moniteau Osage Perry Ste. Genevieve Warren AREA 7 Christian Dailas Douglas Howell Ozark Polk Stone Tanev Texas Webster Wright AREA 8 Carter Dent Iron Madison Oregon Reynolds Ripley St. Francois Shannon Wayne AREA 9 Butler Dunklin Mississippi New Madrid Pemiscot Scott Stoddard AREA A Clay Jackson AREA B Jefferson St. Charles

MISSOURI-Con. AREA B-Con. St. Louis St. Louis city AREA C Greene NORTH DAKOTA AREA 1 Adams Billinas Bowman Dunn Golden Valley Grant Hettinger McKenzie Mercer Morton Oliver Sioux Slope Stark AREA 2 Burke Burleigh Divide Emmons Kidder Logan MoIntosh McLean Mountrail Sheridan Williams AREA 3 Barnes Benson Bottineau Cavalier Eddy Foster Griggs La Moure McHenry Nelson Pierce Ramsev Renville Rolette Steele Stutsman Towner Ward Wells

Traill Walsh AREA 5 Dickey Ransom Richland Sargent SOUTH DAKOTA AREA 1 Bennett Butte Corson Custer Dewey Fall River Haakon Harding Jackson Jones Lawrence Lyman Meade Mellette Pennington Perkins Shannon Stanley Todd Washabaugh Ziebach AREA 2 Beadle Brown Campbell Clark Day Edmunds Faulk Hand Hughes Hyde McPherson Marshall Potter Spink Sully

NORTH DAKOTA-Con.

AREA 4

Cass

Grand Forks

Pembina

Walworth

List of Counties in Each State Economic Area-Con.

SOUTH DAKOTA-Con. NEBRASKA-Co		NEBRASKA-Con.	KANSAS-Con.	KANSAS-Con.
AREA 3	AREA 1-Con.	AREA 5-Con.	AREA 1-Con.	AREA 5
Aurora	Thomas	Hamilton	Wallace	Butler
Bon Homme	Wheeler	Jefferson	Wichita	Chase
Brule	AREA 2	Polk		Chautauqua
Buffalo	Banner	Saline	AREA 2	Cowley
Charles Mix	Box Butte	Seward	Barton	Elk
Davidson	Chase	Thayer	Cheyenne	Geary
Douglas	Chevenne	York	Decatur	Greenwood
Gregory	Deuel	AREA 6	Edwards	Lvon
Hanson	Keith	Burt	Ellis	Morris
Hutchinson	Kimball	Cedar	Ellsworth	Pottawatomie
Jerauld	Morrill	Cumina	Finney	Riley
McCook	Perkins	Dakota	Gove	Wabaunsee
Miner	Scotts Bluff	Dixon	Graham	AREA 6
Sanborn		Dodge	Hodgeman	
Tripp	AREA 3	Thurston	Kiowa	Atchison Brown
AREA 4	Antelope	Washington	Lane	Doniphan
Brookings	Boone	Wayne	Lincoln	
Codington	Boyd		Mitchell	Douglas
Deuel	Buffalo	AREA 7	Ness	Jackson
Grant	Colfax	Cass	Osborne	Jefferson
Hamlin	Custer	Gage	Pawnee	Leavenworth
Kingsbury	Dawson	Johnson	Pratt	Nemaha
Roberts	Greeley	Nemaha	Rawlins	AREA 7
AREA 5	Hall	Otoe	Rooks	Allen
Clay	Howard	Pawnee	Rush	Anderson
Lake	Knox	Richardson	Russell	Bourbon
Lincoln	Lincoln	Saunders	Sheridan	Coffey
Minnehaha	Madison	AREA A	Sherman	Franklin
Moody	Merrick	Lancaster	Stafford	Linn
Turner	Nance	AREA B	Thomas	Miami
Union	Linion Pierce		Trego	Osage
Yankton	Platte	Douglas		Woodson
	Sherman	Sarpy	AREA 3	AREA 8
	Stanton	{	Clay	Cherokee
NEBRASKA	Valley	1	Cloud	Crawford
	AREA 4	KANSAS	Dickinson	Labette
AREA 1	Dundy	1	Harper	Montgomery
Arthur	Franklin	AREA 1	Harvey	Neosho
Blaine	Frontier	Barber	Kingman	Wilson
Brown	Furnas	Clark	McPherson	AREAA
Cherry	Gosper	Comanche	Marion	Sedgwick
Dawes	Harlan	Ford	Ottawa	AREA B
Garden	Hayes	Grant	Reno	Johnson
Garfield	Hitchcock	Gray	Rice	Wyandotte
Grant	Kearney	Greeley	Saline	AREA C
Holt	Nuckolls	Hamilton	Sumner	Shawnee
Hooker	Phelps	Haskell		
Keya Paha	Red Willow	Kearny	AREA 4	
Logan	Webster	Logan	Jewell	DELAWARE
Loup	AREA 5	Meade	Marshall	
McPherson	Adams	Morton	Norton	AREA 1
Rock	Butler	Scott	Phillips	Kent
Sheridan	Clay	Seward	Republic	Sussex
Sioux	Fillmore	Stanton	Smith	AREA A
Ann.8		Stevens	Washington	New Castle

List of Counties in Each State Economic Area-Con.

VIRGINIA-Con.

MARYLAND

AREA 1 Allegany Garrett

AREA 2 Frederick Harford Washington

AREA 3 Calvert Charles

- St. Marys AREA 4 Caroline Cecil Dorchester Kent Queen Annes Somerset Talbot Wicomico Worcester
- AREA A Anne Arundel Baltimore city Baltimore
- AREA B Montgomery Prince Georges
- AREA C Carroll Howard

DISTRICT OF COLUMBIA

AREA A Washington city

VIRGINIA

AREA 1 Buchanan Dickenson Lee Tazewell Wise Norton city

AREA 2 Bland Carroll Grayson Russell Scott

AREA 2-Con. Smyth Washington Wythe Bristol city Galax city AREA 3 Alleghany Bath Botetourt Craig Floyd Giles Highland Montgomery Pulaski Rockbridge Buena Vista city Clifton Forge city Covington city Lexington city Radford city AREA 4 Augusta Clarke Frederick Page Rockingham Shenandoah Warren Harrisonburg city Staunton city Waynesboro city Winchester city AREA 5 Albemarle Culpeper Fauguier Greene Loudoun Madison Orange **Prince William** Rappahannock Spotsylvania Stafford Charlottesville city Fredericksburg city AREA 6 Amelia Appomattox Bedford

Buckingham

Cumberland

VIRGINIA-Con. AREA 6-Con. Dinwiddie Fluvanna Goochland Louisa Nelson Nottoway Powhatan Prince Edward Bedford city Colonial Heights city Petersburg city AREA 7

Brunswick Charlotte Franklin Halifax Henry Lunenburg Mecklenburg Patrick Pittsylvania Danville city Martinsville city South Boston city AREA 8 Caroline **Charles City** Essex Gloucester Hanover James City King and Queen King George King William Lancaster Mathews Middlesex New Kent Northumberland Richmond Westmoreland Williamsburg city AREA 9

Accomack Northampton

AREA 10 Greensville Isle of Wight Nansemond Prince George Southampton Surry Sussex

VIRGINIA-Con.

AREA 10--Con. Emporia city Franklin city Hopewell city Suffolk city AREA A Roanoke Roanoke city Salem city AREA B Arlington Fairfax

Alexandria city Fairfax city Falls Church city AREA C Chesterfield

Henrico Richmond city AREA D

Chesapeake city Norfolk city Portsmouth city Virginia Beach city

AREA E York Hampton city Newport News city AREA F

Amherst Campbell Lynchburg city

WEST VIRGINIA

AREA 1 Brooke Hancock Pleasants Tyler Wetzel Wood AREA 2 Braxton Calhoun Clay Doddridge Gilmer Jackson Lewis Lincoln Mason Nicholas

WEST VIRGINIA-Con.

AREA 2-Con. Putnam Ritchie Roane Upshur Webster Wirt AREA 3 Barbour Harrison Marion Monongalia Preston Taylor AREA 4 Boone Fayette Logan McDowell Mercer Mingo Raleigh Wyoming AREA 5 Grant Greenbrier Hampshire Hardy Mineral Monroe Pendleton Pocahontas Randolph Summers Tucker AREA 6 Berkeley Jefferson Morgan AREA A Marshall Ohio AREA B Cabell Wayne AREA C Kanawha NORTH CAROLINA AREA 1 Alleghany

Ashe

List of Counties in Each State Economic Area-Con.

NORTH CAROLINA-Con.	NORTH CAROLINA-Con.	NORTH CAROLINA-Con.	SOUTH CAROLINA-Con.	GEORGIA-Co	
AREA 1-Con.	AREA 6-Con.	AREA B	AREA 7-Con.	AREA 3-Con.	
Avery	Johnston	Forsyth	Horry	Haralson	
Cherokee	Lee	AREA C	Marion	Heard	
Clay	Sampson			Jackson	
Graham	Warren		AREA 8	Madison	
Haywood		AREA D		Paulding	
Henderson	AREA 7	Mecklenburg			
Jackson	Bertie	AREA E	Berkeley	Stephens	
Macon	Chowan	Wake	Colleton	AREA 4	
Madison	Gates		Dorchester	Baldwin	
Mitchell	Halifax	AREA F	Georgetown	Butts	
Swain	Hertford	Durham	Jasper	Clarke	
Transylvania	Martin		AREAA	Columbia	
Watauga	Northampton	SOUTH CAROLINA	Lexington	Coweta	
Yancey	Perquimans		Richland	Elbert	
•	Washington	AREA 1		Fayette	
AREA 2		Oconee	AREA B	Greene	
Alexander	AREA 8	Pickens	Aiken	Hancock	
Burke	Edgecombe		AREA C	Harris	
Caldwell	Greene	AREA 2	Charleston	Hart	
McDowell	Lenoir	Anderson		Henry	
Wilkes	Nash	Greenwood	AREA D	Jasper	
AREA 3	Pitt	Laurens	Greenville	Jones	
Alamance	Wayne	Spartanburg		Lamar	
Caswell	Wilson	AREA 3	GEORGIA	Lincoln	
Granville		Cherokee		McDuffie	
Orange	AREA 9	Chester	AREA 1	Meriwether	
Person	Cumberland	Lancaster	Bartow		
Rockingham	Hoke	Union	Catoosa	Monroe	
Stokes	Moore	Chattooga		Morgan	
Surry		Dade		Newton	
Vance	Robeson AREA 4 Floyd		Floyd	Oconee	
Yadkin	Scotland	Abbeville	Gordon	Oglethorpe	
Taukin	AREA 10	Edgefield	Murray	Pike	
AREA 4		Fairfield	Polk	Putnam	
Cabarrus	Beaufort	McCormick	Whitfield	Rockdale	
Catawba	Camden	Newberry		Spalding	
Chatham	Currituck	Saluda	AREA 2	Talbot	
Davidson	Dare	AREA 5	Dawson	Taliaferro	
Davie	Hyde	1	Fannin	Troup	
Iredell	Pasquotank	Chesterfield	Gilmer	Upson	
Montgomery	Tyrrell	Kershaw	Habersham	Walton	
Randolph	AREA 11	AREA 6	Lumpkin	Warren	
Rowan		Allendale	Pickens	Wilkes	
Stanly	Bladen	Bamberg	Rabun		
· 1	Brunswick	Barnwell	Towns	AREA 5	
AREA 5	Carteret	Calhoun	Union	Crawford	
Anson	Columbus	Clarendon	White	Glascock	
Cleveland	Craven	Darlington		Marion	
Gaston	Duplin	Hampton	AREA 3	Taylor	
Lincoln	Jones	Lee	Banks	Twiggs	
Polk	New Hanover	Marlboro	Barrow	Washington	
Rutherford	Onslow			Wilkinson	
Union	Pamlico	Orangeburg	Cherokee	AREA 6	
REA 6	Pender	Sumter	Douglas	Bleckley	
		AREA 7	Forsyth	•	
Franklin	AREA A	Dillon	Franklin	Burke Dodge	
Harnett	Buncombe				

List of Counties in Each State Economic Area-Con.

GEORGIA-Con. AREA 6-Con. Jenkins Johnson Laurens Screven Telfair Treutlen Wheeler AREA 7 Baker Ben Hill Calhoun Clay Crisp Decatur Dooly Dougherty Early Grady Invin Lee Macon Miller Mitchell Peach Pulaski Quitman Randolph Schley Seminole Stewart Sumter Terrell Tift Turner Webster Wilcox Worth AREA 8 Appling Atkinson Bacon Berrien Brooks Bulloch Candler Coffee Colquitt Cook Emanuel Evans Jeff Davis Lanier Lowndes Montgomery

GEORGIA-Con. AREA 8-Con. Tattnall Thomas Toombs AREA 9 Brantley Bryan Camden Chariton Clinch Echols Effingham Glynn Liberty Long McIntosh Pierce Ware Wayne AREA A Walker AREA B Clayton Cobb De Kalb Fulton Gwinnett AREA C Chattahoochee Muscogee AREA D Richmond AREA E Chatham AREA F Bibb AREA G Houston FLORIDA AREA 1 Bay Calhoun Franklin Gulf Liberty Okaloosa Wakulia Waiton Washington

FLORIDA-Con. AREA 2 Bradford Clay Dixie Levy Nassau Putnam St. Johns Taylor AREA 3 Alachua Baker Columbia Gadsden Gilchrist Hamilton Holmes Jackson Jefferson Lafayette Leon Madison Suwannee Union AREA 4 Brevard Flagler Indian River St. Lucie Volusia AREA 5 Citrus De Soto Hardee Hernando Highlands Lake Marion Osceola Pasco Polk Sumter AREA 6 Charlotte Collier Glades Hendry Lee Manatee Martin Monroe Okeechobee Sarasota

AREA A Duval AREA B Hillsborough Pinellas AREA C Dade AREA D Escambia Santa Rosa AREA E Orange Seminole AREA F Paim Beach AREA G Broward KENTUCKY AREA 1 Ballard Calloway Carlisle Fulton Graves Hickman McCracken Marshall AREA 2 Daviess McLean Union Webster AREA 3 Breckinridge Bullitt Butler Caldwell Crittenden Edmonson Grayson Green Hancock Hardin Hart Hopkins Larue Livingston Lyon Meade Muhlenberg

FLORIDA-Con.

KENTUCKY-Con.

AREA 3-Con. Ohio Taylor AREA 4 Barren Christian Logan Simpson Todd Trigg Warren AREA 5 Adair Allen Casey Clinton Cumberland Lincoln Metcalfe Monroe Pulaski **Rockcastle** Russell Wayne AREA 6 Anderson Bath Boone Boyle Bracken Carroll Fleming Franklin Gallatin Garrard Grant Henry Madison Marion Mason Montgomerv Nelson Nicholas Oldham Owen Pendleton Robertson Shelby Spencer Trimble Washington AREA 7 Bourbon

Clark

List of Counties in Each State Economic Area-Con.

KENTUCKY-Con. AREA 7-Con. Harrison Jessamine Mercer Scott Woodford AREA 8 Carter Clay Elliott Estill Greenup Jackson Laurel Lawrence Lee Lewis Magoffin Menifee Morgan Owslev Powell Rowan Wolfe AREA 9 Bell Breathitt Floyd Harlan Johnson Knott Knox Leslie Letcher McCreary Martin Perry Pike Whitley AREA A Jefferson AREA B Campbell Kenton ABEA C Boyd AREA D Henderson AREA E

TENNESSEE AREA 1 Crockett Dyer Fayette Gibson Hardeman Haywood Lake Lauderdale Madison Obion Tipton AREA 2 Benton Carroll Chester Decatur Hardin Henderson Henry McNairv Weakley AREA 3 Dickson Hickman Houston Humphreys Lawrence Lewis Perry Stewart Wayne AREA 4 Cheatham Montgomery Robertson Sumner AREA 5 Bedford Giles Lincoln Marshall Maury Moore Rutherford Smith Trousdale Williamson Wilson AREA 6 Cannon

Clay

Coffee

TENNESSEE - Con. AREA 6-Con. De Kalb Franklin Jackson Macon Overton Pickett Putnam Warren White AREA 7 Bledsoe Cumberland Fentress Grundy Marion Morgan Scott Sequatchie Van Buren AREA 8 Bradley Campbell Carter Claiborne Cocke Grainger Greene Hamblen Hancock Hawkins Jefferson Johnson Loudon McMinn Meigs Monroe Polk Rhea Roane Sevier Sullivan Unicoj Union Washington AREA A Shelby AREA B Davidson AREA C

Hamilton

AREA D Anderson Blount Knox ALABAMA AREA 1 Colbert Lauderdale Lawrence Limestone Morgan AREA 2 Blount Cullman De Kalb Jackson Marshall AREA 3 Calhoun Cherokee Etowah St. Clair Shelby Talladega Walker AREA 4 Chambers Clay Cleburne Coosa 1 ee Randolph Tallapoosa AREA 5 Autauga Bibb Chilton Elmore Favette Franklin Lamar Macon Marion Pickens Winston AREA 6 Bullock Dallas Greene Hale Lowndes

Marengo

TENNESSEE-Con.

ALABAMA-Con.

AREA 6-Con. Реггу Sumter Wilcox AREA 7 Choctaw Clarke Washington AREA 8 Baldwin Escambia AREA 9 Barbour Butler Coffee Conecuh Covington Crenshaw Dale Geneva Henry Houston Monroe Pike AREA A Jefferson AREA B Russell AREA C Montgomery AREA D Mobile AREA E Tuscaloosa AREA F Madison MISSISSIPPI AREA 1 Bolivar Coahoma Humphreys Issaquena Leflore Quitman Sharkey Sunflower Tallahatchie Tunica Washington

Fayette

List of Counties in Each State Economic Area-Con.

MISSISSIPPI~Con.

AREA 2 Benton Carroll

MISSISSIPPI-Con.

De Soto Grenada Holmes Madison Marshall Panola Tate Yalobusha Yazoo AREA 3 Adams Amite Claiborne Copiah Franklin Jefferson Lincoln Pike Warren Wilkinson

AREA 4

- Alcorn Calhoun Itawamba Lafayette Pontotoc Prentiss Tippah Tishomingo
- Union AREA 5 Chickasaw Clay Lee Lowndes Monroe Noxubee

Oktibbeha

AREA 6 Attala Choctaw Clarke Covington Jasper Jefferson Davis Jones Kemper Lauderdale Lawrence Leake Marion

AREA 6-Con. Montgomery Neshoba Newton Rankin Scott Simpson Smith Walthall Wayne Webster Winston AREA 7 Forrest George Greene Lamar Pearl River Perrv Stone AREA 8 Hancock Harrison Jackson AREA A Hinds ARKANSAS AREA 1 **Benton** Washington AREA 2 Crawford Franklin Johnson Logan Pope Sebastian Yell AREA 3 Conway Faulkner Independence Randolph Sharp White AREA 4 Garland Hot Springs Montgomery Perry Pike

ARKANSAS-Con. AREA 4--Con. Polk Saline Scott Sevier AREA 5 Columbia Hempstead Howard Lafayette Little River Miller Nevada AREA 6 Ashley Bradley Calhoun Clark Cleveland Dallas Drew Grant Ouachita Union AREA 7 Arkansas Clay Craighead Cross Greene Jackson Lawrence Lonoke Monroe Poinsett Prairie Woodruff AREA 8 Chicot Crittenden Desha Jefferson Lee Lincoln Mississippi Phillips St. Francis AREA 9 Baxter Boone Carroll Cleburne Fulton izard

ARKANSAS-Con. AREA 9-Con. Madison Marion Newton Searcy Stone Van Buren AREA A Pulaski LOUISIANA AREA 1 Natchitoches Rapides **Red River** AREA 2 Catahoula Concordia East Carroll Franklin Madison Morehouse Richland Tensas West Carroll AREA 3 Avoyelles Evangeline Lafayette Pointe Coupee St. Landry AREA 4 Rienville Caldwell Clairborne Grant Jackson La Salle Lincoln Union Webster Winn AREA 5 East Feliciana Livingston Plaquemines St. Charles St. Helena St. Tammany Tangipahoa Washington West Feliciana

LOUISIANA-Con.

AREA 6 Ascension Assumption Iberia Iberville Lafourche St. James St. John the Baptist St. Martin St. Marv Terrebonne West Baton Rouge AREA 7 Acadia Allen Cameron Jefferson Davis Vermilion AREA 8 Beauregard De Soto Sabine Vernon AREA A Bossier Caddo AREA B Jefferson Orleans St. Bernard AREA C East Baton Rouge AREA D Calcasieu AREA E Ouachita OKLAHOMA AREA 1 Beaver Cimarron Custer Dewey Effis Harper Roger Mills Texas Woods

Woodward

List of Counties in Each State Economic Area-Con,

OKLAHOMA-Con.	OKLAHOMA-Con.	TEXAS-Con.	TEXAS-Con.	TEXAS-Con.
AREA 2	AREA 8	AREA 2Con.	AREA 5Con.	AREA 7Con.
Alfalfa	Haskell	Haskell Mason		Somervell
Blaine	McIntosh	Medina	Midland	Wise
Garfield	Muskogee	San Saba	Terry	1
Grant	Okmuigee	Tom Green	Winkler	AREA 8
Кау	Sequoyah		Yoakum	Bell
Kingfisher	Wagoner	AREA 3		Delta
Majo r	AREA 9	Brooks	AREA 6	Falls
Noble	Atoka	Dimmit	Baylor	Fannin
	Latimer	Duval	Borden	Grayson
AREA 3	Le Flore	Jim Hogg	Brown	Hill
Craig	McCurtain	Kenedy	Callahan	Hunt
Mayes		Kleberg	Childress	Kaufman
Nowata	Pittsburg Pushmataha	La Salle	Clay	Lamar
Ottawa	rusnmatana	McMullen	Coleman	Limestone
Rogers	AREA 10	Maverick	Collingsworth	Milan
Washington	Adair	Starr	Cottle	Navarro
	Cherokee	Webb	Dickens	Rockwall
AREA 4	Delaware	Zapata	Donley	Williamson
Beckham	AREA A	Zavala	Fisher	
Caddo	Tulsa		Foard	AREA 9
Comanche	Osage	AREA 4	Garza	Bastrop
Cotton		Armstrong	Hall	Brazos
Grady	AREA B	Briscoe	Hardeman	Burleson
Greer	Cleveland	Carson	Haskell	Freestone
Harmon	Oklahoma	Castro	Kent	Grimes
Jackson	AREA C	Dallam	King	Lee
Kiowa	Creek	Deaf Smith	Knox	Leon
Tillman		Floyd	Mitchell	Madison
Washita	AREA D	Gray	Motley	Robertson
AREA 5	Canadían	Hale	Nolan	
Garvin		Hansford	Runnels	AREA 10
Lincoln	TEXAS	Hartley	Scurry	Caldwell
		Hemphill	Shackelford	Fayette
Logan McClain	AREA 1	Hutchinson	Stephens	Gonzales
Pawnee	Brewster	Lipscomb	Stonewall	Guadalupe
Pavne	Culberson	Moore	Throckmorton	Lavaca
,	Hudspeth	Ochiltree	Wheeler	Washington
Pottawatomie	Jeff Davis	Oldham	Wilbarger	AREA 11
AREA 6	Loving	Parmer	Young	Aransas
Coal	Pecos	Roberts	, i i i i i i i i i i i i i i i i i i i	Atascosa
Hughes	Presidio	Sherman	AREA 7	Bee
Okfuskee	Reeves	Swisher	Bosque	De Witt
Pontotoc	Ward		Burnet	Frío
Seminole	AREA 2	AREA 5	Comanche	Goliad
	Bandera	Andrews	Cooke	Jim Wells
AREA 7	Blanco	Bailey	Coryell	Karnes
8ryan	Coke	Cochran	Eastland	Live Oak
Carter	Comal	Crane	Erath	Refugio
Choctaw	Concho	Crosby	Hamilton	San Patricio
Jefferson	Gillespie	Dawson	Hood	Wilson
Johnston	Hays	Ector	Jack	
Love	Kendall	Gaines	Lampasas	AREA 12
Marshall	Kerr	Hockley	Mills	Anderson
Murray	Llano	Howard	Montague	Bowie
Stephens	McCulloch	Lamb	Palo Pinto	Camp
		Lynn	Parker	Cass

List of Counties in Each State Economic Area-Con.

TEXAS-Con. AREA 12--Con. Cherokee Franklin Gregg Harrison Henderson Hopkins Houston Marion Morris Nacogdoches Panola Rains Red River Rusk Shelby Smith Titus Upshur Van Zandt Wood AREA 13 Angelina Hardin Jasper Montgomery Newton Polk Sabine San Augustine San Jacinto Trinity Tyler Walker AREA 14 Austin Brazoria Calhoun Chambers Colorado Fort Bend Jackson Liberty Matagorda Victoria Waller Wharton AREA 15 Cameron Hildalgo

Willacy AREA 16 Crockett Edwards

TEXAS-Con. AREA 16-Con. Glasscock Irion Kimble Kinney Menard Reagan Real Schleicher Sterlina Sutton Terrell Upton Uvalde Val Verde ARFA A El Paso AREA B Johnson Tarrant AREA C Collin Dallas Ellis AREA D McLennan ARFAF Travis AREA F Bexar AREA G Harris AREA H Jefferson Orange AREA J Potter Randali AREA K Archer Wichita AREA L Lubbock AREA M Galveston AREA N Nueces AREA O

Denton

MONTANA AREA 1 Beaverhead Broadwater Deer Lodge Flathead Gallatin Granite Jefferson Lake Lewis and Clark Lincoln Madison Meagher Mineral Missoula Part Powell Ravalli Sanders Silver Bow Yellowstone National Park (part) AREA 2 Blaine Cascade Chouteau Daniels Dawson Fallon Fergus Glacier Hill Judith Basin Liberty McCone Phillips Pondera Prairie Richland Roosevelt Sheridan Teton Toole Vallev Wibaux AREA 3 **Big Horn** Carbon

TEXAS-Con.

Jones

Taylor

AREA P

MONTANA-Con. AREA 3-Con.

Stillwater Yellowstone AREA 4 Carter Custer Garfield Golden Valley Musselshell Petroleum Powder River Rosebud Sweet Grass Treasure Wheatland IDAHO AREA 1 Adams Blaine Boise Bonner Boundary Butte Carnas Clark Clearwater Custer Elmore Idaho Lemhi Shoshone Valley AREA 2 Benewah Kootenai Latah Lewis Nez Perce AREA 3 Ada Canyon Cassia Gem Gooding Jerome Lincoln Minidoka Owyhee Payette Twin Falls Washington

IDAHO-Con.

AREA 4 Bannock Bear Lake Bingham Bonneville Caribou Franklin Fremont Jefferson Madison Oneida Power Teton WYOMING AREA 1 Albany Carbon Lincoln Natrona Sublette Sweetwater Teton Uinta AREA 2 **Big Horn** Campbell Converse Crook Fremont Goshen Hot Springs Johnson Laramie Niobrara Park Platte Sheridan Washakie Weston COLORADO AREA 1 Chaffee Clear Creek Eagle Garfield Gilpin Grand Gunnison Hinsdale Jackson Lake

List of Counties in Each State Economic Area-Con.

COLORADO-Con. AREA A Adams Arapahoe Denver Jefferson AREA B El Paso AREA C Pueblo AREA D Boulder NEW MEXICO AREA 1 Catron Los Alamos McKinley **Rio** Arriba Sandoval

San Juan Santa Fe Taos Valencia

AREA 2 Colfax Curry De Baca Guadalupe Harding Mora Quay Roosevelt San Miguel Torrance Union AREA 3 Chaves Dona Ana Eddy Grant Hidalgo Lea Lincoln Luna Otero Sierra Socorro AREA A

Bernalillo

ARIZONA AREA 1 Apache Coconino Gila Mohave Navaio Yavapai AREA 2 Cochise Graham Greenlee Pinal Santa Cruz Yuma AREA A Maricopa AREA B Pima UTAH AREA 1 Box Elder Cache Morgan Rich Sanpete Sevier Summit Wasatch AREA 2 Davis Utah AREA 3 Beaver Carbon Daggett Duchesne Emery Garfield Grand Iron Juab Kane Millard Piute San Juan Tooele Uintah Washington Wayne AREA A Salt Lake

AREA B Weber NEVADA AREA 1 Churchill Douglas Elko Esmeralda Eureka Humboldt Lander Lincoln Lyon Mineral Nye Pershing Storey Washoe White Pine Carson City city AREA A Clark WASHINGTON AREA 1 Clallam **Grays Harbor** Jefferson Mason Pacific Wahkiakum AREA 2 Island San Juan Skagit Whatcom AREA 3 Kitsap AREA 4 Cowlitz Lewis Skamania Thurston AREA 5 Chelan Okanogan AREA 6 Benton

Kittitas

UTAH-Con.

WASHINGTON-Con. AREA 6-Con. Klickitat Yakima AREA 7 Adams Asotin Columbia Douglas Franklin Garfield Grant Lincoln Walla Walla Whitman AREA 8 Ferry Pend Oreille Stevens AREA A King AREA B Pierce AREA C Clark AREA D Spokane AREA E Snohomish OREGON AREA 1 Clatsop Columbia Coos Curry Douglas Jackson Josephine Lincoln Tillamook AREA 2 Benton Hood River Linn Marion Polk Yamhill AREA 3 Gilliam Morrow Sherman

INDIX A-Continued

f Counties in Each State Economic Area-Con.

EGON-Con.	CALIFORNIA	CALIFORNIA-Con.	CALIFORNIA-Con.	CALIFORNIA-Con.
EA 3-Con.	AREA 1	AREA 6	AREA 9-Con.	AREA G
Umatilla	Del Norte	Kings	Siskiyou	San Diego
Wasco	Humboldt	Madera	Trinity	San Diego
	Lake	Tulare	Tuolumne	AREA H
EA 4	Mendocino			Riverside
Baker	AREA 2	AREA 7	AREA A	San Bernardin o
Crook	Napa	Ventura	Alameda	AREA J
Deschutes	Sonoma	AREA 8	Contra Costa	Kern
Grant	-		Marin	
Harney	AREA 3	Imperial	San Francisco	AREA K
Jefferson	Monterey	AREA 9	San Mateo	Santa Barbara
Klamath	San Benito	Alpine	Solano	
Lake	San Luis Obispo	Amador		ALASKA
Malheur	Santa Cruz	Calaveras	AREA B	
Union	AREA 4	El Dorado	Santa Clara	AREA 1
Wallowa	Butte	Inyo	AREA C	All census divisions
Wheeler	Colusa	Lassen	Sacramento	1
	Glenn	Mariposa		HAWAII
EA A	Sutter	Modoc	AREA D	
Clackamas	Tehama	Mono	San Joaquin	AREA 1
Multnomah	Yolo	Nevada	AREA E	Hawaii
Washington	Yuba	Placer	Fresno	Kauai
Mashington	AREA 5	Plumas	AREA F	Maui
REA B	Merced	Shasta	Los Angeles	AREAA
Lane	Stanislaus	Sierra	Orange	Honolulu
	1			
	1			
				1
		1	1	1

Appendix B.—DEFINITIONS AND EXPLANATIONS OF SUBJECT CHARACTERISTICS

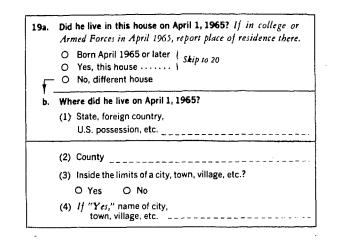
GENERAL	App-18
RESIDENCE IN 1965	App-18
Mobility status	Арр-18
Inmigrants and outmigrants	App-19
AGE	App-19
RACE	App-19

GENERAL

As stated in the introductory text, the 1970 census was conducted primarily through self-enumeration. The principal determinant for the responses was, therefore, the questionnaire and its accompanying instruction sheet. Furthermore, census takers were instructed, in their telephone and personalvisit interviews, to read the questions directly from the questionnaire. The definitions and explanations given below for each subject are largely drawn from various technical and procedural materials used in the collection of the data. This material helped the enumerative personnel to understand more fully the intent of each question and thus to resolve problem or unusual cases consistent with this intent. Also included is certain explanatory information to assist the user in the proper utilization of the statistics.

RESIDENCE IN 1965

The data on residence in 1965 were derived from answers to questions 19a and b, which were asked of all persons in a 15-percent sample of the population. (See facsimile of questionnaire item in figure 1. Facsimilies of all other census questions and instructions to respondents are included in the Volume I reports.) FIGURE 1. Facsimile of Census Question on Residence in 1965



Respondents were instructed to report their usual place of residence on April 1, 1965. In accordance with the census concept of usual residence, instructions on the questionnaire specified that persons in college or in the Armed Forces in 1965 were to report as their 1965 residence the place where they were attending college or where they were stationed. As in all censuses, however, there were some failures to execute the instructions correctly, partly because not every respondent could be given the full range of instructions in reporting usual residence in 1965.

Mobility status.-Residence in 1965 was used in conjunction with residence in 1970 to determine the extent of residential mobility of the population. The category "same house" includes all persons 5 years old and over who did not move during the 5 years as well as those who had moved but by 1970 had returned to their 1965 residence.

Persons who had changed residence from 1965 to 1970 were classified into groups according to type of move. The category "different house in United States" includes persons who, on April 1, 1965, lived in the United States in a different house from the one they occupied on April 1, 1970, and for whom sufficient information concerning the 1965 residence was collected. These persons were subdivided into groups according to their 1965 residence: ''different house, same county"; "different county, same State economic area"; "different State economic area, same State"; and "different State." The category "abroad" includes those with residence in a foreign country or an outlying area of the United States in 1965, including Armed Forces stationed overseas.

Persons 5 years old and over who indicated they had moved into their present residence after April 1, 1965, but for whom sufficiently complete and consistent information regarding residence on April 1, 1965, was not collected, are included in the group "moved, place of residence in 1965 not reported." When no information was reported for the person himself, information for the other members of the family was used, if available. The category also includes persons who gave no information on residence on April 1, 1965, but were classified as having moved into their present house since that date on the basis of the final edited information reported for question 18, "When did this person move into this house (or apartment)?" (All nonresponses on the latter question were allocated.)

The number of persons who were living in a different house in 1965 is somewhat less than the total number of moves during the 5 years. Some persons in the same house at the two dates had moved during the 5-year period but by the time of enumeration had returned to their 1965 residence. Other persons who were living in a different house had made two or more intermediate moves.

Inmigrants and outmigrants.-The terms "inmigrants" and "outmigrants" refer to migrants into or out of particu-

lar areas. Inmigrants to an area are migrants who moved into that area from elsewhere in the United States between 1965 and 1970 and were still living there in 1970. Outmigrants from an area are migrants who were living in the area in 1965 and moved out to some other area in the United States where they were in 1970. Inmigrants and outmigrants for any area exclude migrants within that area. Inmigrants and outmigrants, for example, for a particular State do not include migrants between its SEA's. Thus, the sum of the inmigrants to all SEA's in any State will be greater than the number of inmigrants to that State.

AGE

The age classification is based on the age of the person in completed years as of April 1, 1970, and was deter-

mined from the reply to questions on age and on month and year of birth.

RACE

In the 1970 census, information on race was obtained primarily through self-enumeration. The data, therefore, represent essentially self-classification by people according to the race with which they identify themselves. For persons of mixed parentage who were in doubt as to their classification, the race of the person's father was used.

The category "Negro" includes persons who indicated their race as Negro or Black, as well as persons who did not classify themselves in one of the specific race categories on the questionnaire but who had such entries as Jamaican, Trinidadian, West Indian, Haitian, and Ethiopian.

Appendix C.—ACCURACY OF THE DATA

SOURCES OF ERROR	Арр-20
EDITING OF UNACCEPT- ABLE DATA	App-20
ALLOCATION TABLES	App-21
SAMPLE DESIGN	App-21
RATIO ESTIMATION	App-21
SAMPLING VARIABILITY	App-22

SOURCES OF ERROR

Human and mechanical errors occur in any mass statistical operation such as a decennial census. Errors during the data collection phase can include failure to obtain required information from respondents, obtaining incorrect or inconsistent information, and recording information in the wrong place or incorrectly. Errors can also occur during the field review of the enumerator's work, the clerical handling of the questionnaires, and the various stages of the electronic processing of the material. Careful efforts are made in every census to keep the errors in each step at an acceptably low level. Quality control and check measures are utilized thoughout the census operation. As was done for the 1950 and 1960 censuses, evaluative material on many aspects of the 1970 census will be published as soon as the appropriate data are accumulated and analyzed.

EDITING OF UNACCEPTABLE DATA

The objective of the processing operation is to produce a set of statistics that describes the population as accurately and clearly as possible. To meet this objective, certain unacceptable entries were edited. In the field, questionnaires were reviewed for completeness by a census clerk or enumerator, and a followup was made for missing information. The major review occurred in the central processing office, where the editing and coding operation provided an opportunity to correct obvious errors in the respondents' entries for those items which required manual processing.

For a few of the items, the respondents' entries were reviewed for reasonableness or consistency on the basis of other information on the questionnaire. As a rule, however, editing was performed by hand only when it could not be done effectively by machine.

Because of the limitations of computer capacity and other resources, a number of complicated editing steps were not introduced when the effect on the final data was considered to be small. Thus, there may be a small number of cases having unlikely combinations of characteristics.

As one of the first steps in mechanical editing, the configuration of marks on the questionnaire was scanned electronically to determine whether it contained information for a person or merely spurious marks. If the questionnaire contained entries for at least two of the basic characteristics (relationship, sex, race, age, marital status), or for at least two relevant sample characteristics, the inference was made that the marks represented a person. Names were not used as a criterion of the presence of a person because the electronic scanning was unable to distinguish between a name and any other entry in the name space.

If any characteristics for a person were missing, they were, in most cases, supplied by allocation. Allocations, or assignments of acceptable codes in place of unacceptable entries, were needed most often where an entry for a given item was lacking or where the information reported for a person on that item was inconsistent with other information for the person. As in earlier censuses, the general procedure for changing unacceptable entries was to assign an entry that was consistent with entries for other persons with similar characteristics. Thus, a person who was reported as a 20-year-old son of the household head, but for whom marital status was not reported, was assigned the same marital status as that of the last son processed in the same age group. The assignment of acceptable codes in place of blanks or unacceptable entries, it is believed, enhances the usefulness of the data.

The editing process also includes another type of correction; namely, the assignment of a full set of characteristics for a person. When there was indication that a housing unit was occupied but the questionnaire contained no information for any person, a previously processed household was selected as a substitute and the full set of characteristics for each substitute person was duplicated.

Specific tolerances were established for the number of computer allocations and substitutions that would be permitted. If the number of corrections was beyond tolerance, the questionnaires in which the errors occurred were clerically reviewed. If it was found that the errors resulted from damaged questionnaires, from improper microfilming, from faulty reading by FOSDIC of undamaged questionnaires, or from other types of machine failure, the questionnaires were reprocessed.

ALLOCATION TABLES

The extent of the various editing and allocation procedures and their effect on each of the subjects are shown in a series of allocation tables (C-1 to C-4) included in the Population Census Volume I reports. The information shown in these tables includes (1) the percent of the total population enumerated in the sample, (2) the allocation rate for each subject, and (3) the distributions for each subject before allocation. For a given subject the distribution before allocation may be compared with the corresponding statistics shown in the detailed tables to measure the net effect of allocation. Further explanation of the allocation tables is included in Appendix C of the Volume I reports.

SAMPLE DESIGN

For persons living in housing units at the time of the 1970 census, the housing unit, including all its occupants, was the sampling unit; for persons in group quarters identified in advance of the census, it was the person. In nonmail areas, the enumerator canvassed his assigned area and listed all housing units in an address register sequentially in the order in which he first visited the units whether or not he completed the interview. Every fifth line of the address register was designated as a sample line, and the housing units listed on these lines were included in the sample. Each enumerator was given a random line on which he was to start listing and the order of canvassing was indicated in advance, although the instructions allowed some latitude in the order of visiting addresses. In mail areas, the list of housing units was prepared prior to Census Day either by employing commercial mailing lists corrected through the cooperation of the post office or by listing the units in a process similar to that used in nonmail areas. As in other areas, every fifth housing unit of these lists was designated to be in the sample. In group quarters, all persons were listed and every fifth person was selected for the sample.

This 20-percent sample was subdivided into a 15-percent and a 5percent sample by designating every fourth 20-percent sample unit as a member of the 5-percent sample. The remaining sample units became the 15-percent sample. Two types of sample questionnaires were used, one for the 5-percent and one for the 15percent sample units. Some questions were included on both the 5-percent and 15-percent sample forms and therefore appear for a sample of 20 percent of the units in the census.

Other items appeared on either the 15-percent or the 5-percent questionnaires. Since data on residence five years ago was collected only on the 15-percent form, this entire report is based on the 15-percent sample.

Although the sampling procedure did not automatically insure an exact 20-percent sample of persons or housing units in each locality, the sample design was unbiased if carried through according to instructions; generally for larger areas the deviation from 20 percent was found to be quite small. Biases may have arisen, however, when the enumerator failed to follow his listing and sampling instructions exactly. Quality control procedures were used throughout the census process, however, and where there was clear evidence that the sampling procedures were not properly followed. some enumerators' assignments were returned to the field for resampling.

RATIO ESTIMATION

The statistics based on 1970 census sample data are estimates made through the use of ratio estimation procedures, which were applied separately for the 5-, 15-, and 20-percent samples. The first step in carrying through the ratio estimates was to establish the areas within which separate ratios were to be prepared. These are referred to as "weighting areas." For the 15- and 20-percent samples, the weighting areas contained a minimum population size of 2,500. Weighting areas were established by a mechanical operation on the computer and were defined to conform, as nearly as possible, to areas for which tabulations are produced. Where these areas do not agree (primarily for smaller areas), there may be some differences between complete counts and sample estimates.

The ratio estimation process operated in three stages. The first stage employed 19 household-type groups (the first of which was empty by definition). The second stage used two groups, head of household and not head of household, and the third stage used 24 age-sex-race groups.

Group

1

2

3

6

7

STAGE I

	Male head with own children under 18
	1-person household
	2-person household
	3-person household
	•
	6-or-more-person
	household
	Male head without own
	children under 18
-12	1-person to 6-or-more-
	person households

Female head

1-person to 6-or-more-

13-18

person households 19 Group quarters persons STAGE II 20 Head of household 21 Not head of household (including persons in group quarters) STAGE III Male Negro 22 Age under 5 years 23 5-13 24 14-24 25 25-44 26 45-64 27 65 and older Male, not Negro 28-33 Same age groups as for Male Negro Female Negro 34-39 Same age groups as for Male Negro Female, not Negro

40-45 Same age groups as for Male Negro

At each stage, for each of the groups, the ratio of the complete count to the weighted sample count of the population in the group was computed and applied to the weight of each sample person in the group. This operation was performed for each of the 19 groups in the first stage, then for the two groups in the second stage and finally for the 24 groups in the third stage. As a rule, the weighted sample counts within each of the 24 groups in the third stage should agree with the complete counts for the weighting areas. Close, although not exact, consistency can be expected for

the two groups in the second stage and the 19 groups in the first stage.

There are some exceptions to this general rule, however. As indicated above, there may be differences between the complete counts and sample estimates when the tabulation area is not made up of whole weighting areas. Furthermore, in order to increase the reliability, a separate ratio was not computed in a group whenever certain criteria pertaining to the complete count of persons and the magnitude of the weight were not met. For example, for the 15-percent sample the complete count of persons in a group had to exceed 85 persons and the ratio of the complete count to the unweighted sample count could not exceed 20. Where these criteria were not met. groups were combined in a specific order until the conditions were met. Where this occurred, consistency between the weighted sample and the complete counts would apply as indicated above for the combined group but not necessarily for each of the groups in the combination.

Each sample person was assigned an integral weight to avoid the complications involved in rounding in the final tables. If, for example, the final weight for a group was 7.2, one-fifth of the persons in the group (selected at random) were assigned a weight of 8 and the remaining four-fifths a weight of 7.

The estimates realize some of the gains in sampling efficiency that would have resulted had the population been stratified into the groups before sampling. The net effect is a reduction in both the sampling error and possible bias of most statistics below what would be obtained by weighting the results of the sample by a uniform factor (e.g., by weighting the 15percent sample results by a uniform factor of 6.67). The reduction in sampling error will be trivial for some items and substantial for others. A byproduct of this estimation procedure is that estimates for this sample are, in general, consistent with the complete count for the population groups used in the estimation procedure. A more complete discussion of the technical aspects of these ratio estimates will be presented in a separate report.

SAMPLING VARIABILITY

The estimates from the 15-percent sample tabulations are subject to sampling variability. The standard errors of these estimates can be approximated by using the data in table A. The chances are about 2 out of 3 that the difference (due to sampling variability) between the sample estimate and the figure that would have been obtained from a complete count of the population is less than the standard error. The chances are about 19 out of 20 that the difference is less than twice the standard error and about 99 out of 100 that it is less than 21/2 times the standard error. The amount by which the estimated standard error must be multiplied to obtain other odds deemed more appropriate can be found in most statistical textbooks. The sampling errors may be obtained by using table A. The table reflects the effect of simple response variance, but not of bias arising in the collection, processing, and estimation steps nor of the correlated errors enumerators introduce; estimates of the magnitude of some of these factors in the total error are being evaluated and will be published at a later date.

Table A shows approximate standard errors of estimated numbers related to mobility based on the 15percent sample. In determining the figures for this table, some aspects of the sample design, the estimation process, and the population of the area over which the data have been compiled are ignored.

Linear interpolation in table A will provide approximate results that are satisfactory for most purposes.

The standard errors estimated from this table are not directly applicable to differences between two sample estimates. In order to estimate the standard error of a difference, the table is to be used somewhat differently in the three following situations:

1. For a difference between the sample figure and one based on a complete count (e.g., arising from comparisons between 1970 sample statistics and complete-count statistics for 1960 or 1950), the standard error is identical with the standard error of the 1970 estimate alone.

2. For a difference between two sample figures (that is, one from

1970 and the other from 1960, or both from the same census year), the standard error is approximately the square root of the sum of the squares of the standard errors of each estimate considered separately. This formula will represent the actual standard error quite accurately for the difference between estimates of the same characteristics in two different areas, or for the difference between separate and uncorrelated characteristics in the same area. If, however, there is a high positive correlation between the two characteristics, the formula will overestimate the true standard error. The approximate standard error for the 1970 sample figure is derived directly from table A. The standard error of a 25-percent 1960 sample figure may be obtained from the relevant 1960 census report or an approximate value may be obtained by multiplying the appropriate value in table A by 0.7. 3. For a difference between two sample estimates, one of which represents a subclass of the other, the table can be used directly with the difference considered as the sample estimate.

The standard errors in table A apply to all statistics on mobility status given in tables 1, 4, and 5 and to the column "Population, 5 years old and over" in tables 2 and 3.

Standard errors for estimates of migrants by age and sex given in the remaining columns of tables 2 and 3 are approximated by applying a factor of 0.6 to the standard errors given in table A. Standard errors of estimated persons in an SEA by age and sex (without regard to mobility status) will be overstated somewhat by this approximation; for these data a more appropriate factor is 0.5. More reliable estimates of the population of SEA's by age and sex can be found in PC(2)-10B, where they are based on a 20-percent sample.

TABLE A. Approximate Standard Error of Estimated Number Based on 15-Percent Sample (Range of 2 chances out of 3)

Estimated				Number of per	sons in area ²			
number ¹	10,000	50,000	100,000	250,000	1,000,000	3,000,000	5,000,000	20,000,000
50	30	30	30	30	30	30	30	30
100	40	40	40	40	40	40	40	40
250	60	60	60	60	60	60	60	60
500	90	90	90	90	90	90	90	90
1,000	120	125	125	125	125	125	125	125
2,500	175	195	195	200	200	200	200	200
5,000	200	270	275	280	280	280	280	280
10,000		360	380	390	400	400	400	400
15,000		410	450	475	485	490	490	490
25,000	** *	445	550	600	625	630	630	630
			630	800	870	885	890	890
50,000			550	895	1,050	1,080	1,085	1,090
75,000				980	1,200	1,245	1,250	1,250

¹For estimated numbers larger than 100,000, the relative errors are somewhat smaller than for 100,000.

²An area is the smallest complete geographic area to which the estimate under consideration pertains. Thus, the area may be the United States, State, or State economic area. The Negro population of a State economic area does not represent a complete area.

Appendix D.—PUBLICATION AND COMPUTER SUMMARY TAPE PROGRAM

The results of the 1970 Census of Population and Housing are being issued in the form of printed reports, microfiche copies of the printed reports, computer summary tapes, computer printouts, and microfilm. Listed below are short descriptions of the final report series and computer tapes, as currently planned. More detailed information on this program can be obtained by writing to the Publications Distribution Section, Social and Economic Statistics Administration, Washington, D.C. 20233.

Population Census Reports

Volume 1. CHARACTERISTICS OF THE POPULATION

This volume will consist of 58 "parts"number 1 for the United States, numbers 2 through 52 for the 50 States and the District of Columbia in alphabetical order, and numbers 53 through 58 for Puerto Rico, Guam, Virgin Islands, American Samoa, Canal Zone, and Trust Territory of the Pacific Islands, respectively. Each part, which will be a separate clothbound book, will contain four chapters designated as A, B, C, and D. Each chapter (for each of the 58 areas) will first be issued as an individual paperbound report in four series designated as PC(1)-A, B, C, and D, respectively. The 58 PC(1)-A reports have been specially assembled and issued in a clothbound book, designated as Part A.

Series PC(1)-A.

NUMBER OF INHABITANTS Final official population counts are presented for States, counties by urban and rural residence, standard metropolitan statistical areas (SMSA's), urbanized areas, county subdivisions, all incorporated places, and unincorporated places of 1,000 inhabitants or more.

Series PC(1)-B. GENERAL POPULATION CHARACTERISTICS

Statistics on age, sex, race, marital status, and relationship to head of household are presented for States, counties by urban and rural residence, SMSA's, urbanized areas, county subdivisions, and places of 1,000 inhabitants or more.

Series PC(1)-C. GENERAL SOCIAL AND ECONOMIC CHARACTERISTICS

Statistics are presented on nativity and parentage, State or country of birth, Spanish origin, mother tongue, residence 5 years ago, year moved into present house, school enrollment (public or private), years of school completed, vocational training, number of children ever born, family composition, disability, veteran status, employment status, place of work, means of transportation to work, occupation group, industry group, class of worker, and income (by type) in 1969 of families and individuals. Each subject is shown for some or all of the following areas: States, counties (by urban, rural-nonfarm, and rural-farm residence), SMSA's, urbanized areas, and places of 2,500 inhabitants or more,

Series PC(1)-D.

DETAILED CHARACTERISTICS These reports cover most of the subjects shown in Series PC(1)-C, above, presenting the data in considerable detail and crossclassified by age, race, and other characteristics. Each subject is shown for some or all of the following areas: States (by urban, rural-nonfarm, and rural-farm residence), SMSA's, and large cities.

Volume II.

SUBJECT REPORTS Each report in this volume, also designated as Series PC(2), will concentrate on a particular subject. Detailed information and cross-relationships will generally be provided on a national and regional level; in some reports, data for States or SMSA's will also be shown. Among the characteristics to be covered are national origin and race, fertility, families, marital status, migration, edu cation, unemployment, occupation, industry, and income.

Housing Census Reports

Volume I.

HOUSING CHARACTERISTICS FOR STATES, CITIES, AND COUNTIES

This volume consists of 58 "parts"-number 1 for the United States, numbers 2 through 52 for the 50 States and the District of Columbia in alphabetical order, and numbers 53 through 58 for Puerto Rico, Guam, Virgin Islands, American Samoa, Canal Zone, and Trust Territory of the Pacific Islands, respectively. Each part, which is a separate clothbound book, contains two chapters designated as A and B. Each chapter (for each of the 58 areas) is issued as an individual paperbound report in two series designated as HC(1)-A and B, respectively.

Series HC(1)-A.

CHARACTERISTICS Statistics on tenure, kitchen facilities, plumbing facilities, number of rooms, persons per room, units in structure, mobile home, telephone, value, contract rent, and vacancy status are presented for some or all of the following areas: States (by urban and rural residence), SMSA's, urbanized areas, places of 1,000 inhabitants or more, and counties.

Series HC(1)-B. DETAILED HOUSING

CHARACTERISTICS

Statistics are presented on a more detailed basis for the subjects included in the Series

HC(1)-A reports, as well as on such additional subjects as year moved into unit, year structure built, basement, heating equipment, fuels, air conditioning, water and sewage, appliances, gross rent, and ownership of second home. Each subject is shown for some or all of the following areas: States (by urban, rural-nonfarm, and rural-farm residence), SMSA's, urbanized areas, places of 2,500 inhabitants or more, and counties (by rural and rural-farm residence).

Volume II.

METROPOLITAN HOUSING CHARACTERISTICS

These reports, also designated as Series HC(2), cover most of the 1970 census housing subjects in considerable detail and cross-classification. There is one report for each SMSA, presenting data for the SMSA and its central cities and places of 50,000 inhabitants or more, as well as a national summary report.

Volume III.

BLOCK STATISTICS

One report, under the designation Series HC(3), is issued for each urbanized area showing data for individual blocks on selected housing and population subjects. The series also includes reports for the communities outside urbanized areas which have contracted with the Census Bureau to provide block statistics from the 1970 census.

Volume IV.

COMPONENTS OF INVENTORY CHANGE This volume will contain data on the disposition of the 1960 inventory and the source of the 1970 inventory, such as new construction, conversions, mergers, demolitions, and other additions and losses. Cross-tabulations of 1970 and 1960 characteristics for units that have not changed and characteristics of the present and previous residence of recent movers will also be provided. Statistics will be shown for 15 selected SMSA's and for the United States and regions.

Volume V. RESIDENTIAL FINANCE

This volume will present data regarding the financing of privately owned nonfarm residential properties. Statistics will be shown on amount of outstanding mortgage debt, manner of acquisition of property, homeowner expenses, and other owner, property, and mortgage characteristics for the United States and regions.

Volume VI. ESTIMATES OF "SUBSTANDARD" HOUSING

This volume will present counts ("substandard" housing units for countil and cities, based on the number of uni lacking plumbing facilities combined wit estimates of units with all plumb facilities but in "dilapidated" condition.

Volume VII. SUBJECT REPORTS

Each report in this volume will concentr on a particular subject. Detailed informati and cross-classifications will generally provided on a national and regional level some reports, data for States or SMS, may also be shown. Among the subjects be covered are housing characteristics household composition, housing of minor groups and senior citizens, and househo in mobile homes.

Joint Population-Housing Reports

Series PHC(1).

CENSUS TRACT REPORTS This series contains one report for e SMSA, showing data for most of population and housing subjects included the 1970 census.

Series PHC(2).

GENERAL DEMOGRAPHIC TRENDS F METROPOLITAN AREAS, 1960 TO 11 This series consists of one report for e State and the District of Columbia, as were as a national summary report, presenting statistics for the State and for SMSA's and their central cities and constituent counties. Comparative 1960 and 1970 data are shown on population counts by age and race and on such housing subjects as tenure, plumbing facilities, value, and contract rent.

Series PHC(3).

EMPLOYMENT PROFILES OF SELECTED LOW-INCOME AREAS

This series consists of 76 reports, each presenting statistics on the social and economic characteristics of the residents of a particular low-income area. The data relate to low-income neighborhoods in 51 cities and seven rural poverty areas. Each report provides statistics on employment and unemployment, education, vocational training, availability for work, job history, and income, as well as on value or rent and number of rooms in the housing unit.

U. S. Bur. of the Census. 1970 census of population; Subject reports.

First Count-source of the PC(1)-A reports;

contains about 400 cells of data on the

subjects covered in the PC(1)-B and

HC(1)-A reports and tabulated for each

of the approximately 250,000 enumera-

tion districts in the United States.

subdivisions in the United States.

United States.

Second Count-source of the PC(1)-B, HC(1)-A, and part of the PHC(1)

reports; contains about 3,500 cells of

data covering the subjects in these reports and tabulated for the approxi-

mately 35,000 tracts and 35,000 county

Third Count-source of the HC(3) reports;

contains about 250 cells of data on the

subjects covered in the PC(1)-B and

HC(1)-A reports and tabulated for

approximately 1,500,000 blocks in the

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punt-source of the PC(1)-C, }, and part of the PHC(1) reports; about 13,000 cells of data the subjects in these reports and d for the approximately 35,000 ud 35,000 county subdivisions in ted States; also contains about "alls of data for each county.

> I-contains approximately 800 opulation and housing data for IP code areas in SMSA's and IP code areas outside SMSA's; code data are available only on

> t-source of the PC(1)-D and ports; contains about 260,000 data covering the subjects in ports and tabulated for States, and large cities.

> re generally organized on a State ise the First Count and Third), it is necessary to purchase the enumeration district and block

> cells" used herein to indicate the ubject content of the several rs to each figure or statistic in on for a specific geographic area. le, in the Third Count, there are a cross-classification of race by pategories of race (white, Negro, by two categories of sex (male,

on to the above-mentioned apes, the Census Bureau makes in purchase certain sample tape

files containing population and housing characteristics as shown on individual census records. These files contain no names or addresses, and the geographic identification is sufficiently broad to protect con-fidentiality. There are six files, each containing a 1-percent national sample of persons and housing units. Three of the files are drawn from the population covered by the census 15-percent sample and three from the population in the census 5-percent sample. Each of these three files provides a different type of geographic information: One identifies individual large SMSA's and, for the rest of the country, groups of counties; the second identifies individual States and, where they are sufficiently large, provides urban-rural and metropolitannonmetropolitan detail; and the third identifies State groups and size of place, with each individual record showing selected characteristics of the person's neighborhood.

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