

DESCRIPTIVE ANALYSIS OF THE CARTER CAVES EXTENSION AREA

An Abstract

Submitted to the Faculty of the College of Home Economics  
of Michigan State University in partial fulfillment  
of the requirements for the degree of

MASTER OF ARTS

College of Home Economics

Department of Home Management and Child Development

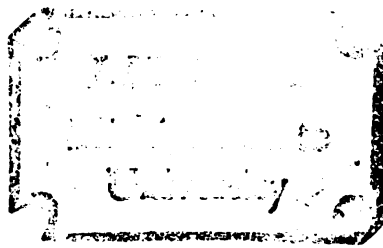
1967

By

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## ABSTRACT

### DESCRIPTIVE ANALYSIS OF THE CARTER CAVES EXTENSION AREA

by Jewnett Munn Darnell

The purpose of this study was to assemble secondary data and by compilation and confirmation of currently available information, describe accurately the characteristics of the people and families in an Extension Area in Kentucky--specifically the Carter Caves Extension Area.

The major source used for collecting these data are the United States Census Final Reports for this geographic area. From these reports on Social and Economic Characteristics, General Population and Housing Series, the major findings indicate the social and economic patterns as well as the population characteristics of this area.

These data show a deep contrast between urbanized communities and sparsely populated rural communities . . . the education media, the distribution of income among families and the condition and physical characteristics of the housing units the families occupy in the area.

The analysis of data with respect to implications for home management reveals the resources available to families and the factors affecting the use of resources by families in this area such as education, income, family characteristics and the homes in which they live.

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## CHAPTER I

### INTRODUCTION

The history of our nation reveals the transformation of this continent from a primitive wilderness to the nation of affluence known today. Throughout this development one is impressed by the value placed on individual initiative, the family and education. People were and are today the greatest resource of this country.

The Cooperative Extension Service has never had a greater opportunity to exercise a more significant and meaningful leadership in contributing to the welfare of our people than they now have. Extension is confronted with the urgent need to adjust and redirect its efforts to better serve the needs of our time.

Henry L. Ahlgren sums up extension's modernizing to meet tomorrow's needs by saying:

In addition to our traditional program which has revolved largely around improving production and quality of agricultural products, there are unparalleled needs and opportunities for educational services. These are growing out of (1) social and economic changes, (2) the decline in the number of farms and of farm people, (3) the growing complexity of modern farming and homemaking, (4) the increasing number of urban, suburban, and open country non-farm residents who are requesting services from us, (5) the growing inter-relatedness of agriculture, business, and government,

and (6) the demand for services in marketing and consumer information.<sup>1</sup>

To further clarify the same point, Ahlgren offers this quotation from Thomas Jefferson: "Continued outmoded institutions make no more sense than requiring a man to wear still the coat that fitted him as a boy."<sup>2</sup>

Some states have made broad changes through reorganization patterns in an effort to make more effective use of both the Cooperative and the Federal Extension Service. Kentucky has recently reorganized into area extension work, breaking away from the traditional county-centered work. Prior to area organization, Kentucky was divided into six districts. Each district was divided into two sub-districts, with an average of ten counties per sub-district. These six districts were reshaped into sixteen areas. The geographic limits of each area were established by grouping several sociologically related counties together; the connected county lines formed the legal boundaries and determined the people to be served. The area with which the author is familiar, and which is describing in this paper, is the Carter Caves Extension Area.

The Carter Caves Extension Area was organized July 1, 1965. The area consists of eight counties: Boyd, Carter, Elliott, Greenup, Lawrence, Menifee, Morgan and Rowan, located

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<sup>1</sup>Ahlgren, Henry L. "Modernizing Extension to Meet Tomorrow's Needs," Changing Dimensions in Agriculture and Home Economics. National Extension Center for Advanced Study, University of Wisconsin, Publication No. 13, June, 1962, p. 14.

<sup>2</sup>Ibid., p. 15.



in Northeastern Kentucky. All Carter Caves Area counties and adjacent Ohio and West Virginia counties are located in the region known as Appalachia. Six of the eight counties are located in the southern Appalachian region, where a separate major campaign in the national War on Poverty is focused. The area is on the northern fringe of the Eastern Kentucky coal fields.

At the onset of forming the extension area, extension agents began developing a specialization of interest by concentrating their efforts in a subject matter area. As agents strengthened their subject matter interest, they were assigned positions and titles relative to the subject of their specialization. The area approach enables agents to become better trained in fields of their choice, therefore enabling the Cooperative Extension Service to better serve the needs of the people.

Through the combined efforts and leadership of the Carter Caves Area Extension Council and its Agriculture, Home Economics, 4-H Youth and Development Committees with the Extension Agents, the Cooperative Extension Service began placing emphasis on the area approach to the problems of the people in 1966. The Area Extension Council, Area Committees, and extension agents with assistance from County Extension Councils, and study committees spent considerable time in studying the factors which affect the standard of living of the people. As problems were identified, a course of action on a limited basis to overcome these problems was initiated.

Time needed for organizing, researching and preparing for area work and the necessity for continuing county extension programs greatly limited area work in 1966.

After making the basic changes in the organization and plans of work, however, the extension staff of the University of Kentucky Cooperative Extension Service was ready to begin area work. The area approach to extension work was put into action officially on January 1, 1967. True to extension principles, each extension area has acted independently in its reaction to the change, and in developing programs for the future.

#### Purpose of the Study

It is the intent of this study to serve as a fore-runner of future studies by beginning the process of compiling information about the Carter Caves Extension Area. The objective is to facilitate future study of the establishment and operation of area extension work, by administrators, area and county extension agents and others who have an interest in the development of extension programs. The primary goal of this study is to assemble major secondary data relevant to living standards, specifically on the Carter Caves Extension Area of Kentucky; that is, the compilation and confirmation of information currently available to discover and describe the characteristics of the people living there. The data will be organized with emphasis on the families and their resources. The study is descriptive in nature, and will not evaluate

methods used to make the administrative change or the results and the effectiveness of various systems.

#### Procedure Used in Study

The major data source is the U. S. Census Series pertaining to Kentucky and small areas, which supplements census data with a number of other sources of data describing various aspects of this extension area. Through these sources, this problem will explore some of the implications of particular interest to professional home economists that they may better understand and appreciate the functions and relationship of the families and their resources. The procedure will be collation of currently available information to describe the findings of the U. S. Census Bureau. This study, descriptive in nature, is documented by tables organized from this U. S. Census data, and will deal only with human resources and those related to or available to families and individuals to use. The data will thus be organized with emphasis on the families in the area and the relative resources available to them.

#### Justification

The decision to pursue the above objectives is based on the contention that compilation of such information will help avoid duplication of effort by others interested in studying and working in this area. This study will include only eight of Kentucky's one hundred and twenty counties, and

does not pretend to be comprehensive. There are many things we should know about ourselves in order to live as fully and wisely as possible; this paper examines only a few. But the conservation of human resources, though complicated, is certainly as important to study as conservation of the soil, the forest and of wildlife. It is hoped that this study will contribute to a greater understanding of families in this area and their expectations. This understanding might help extension agents and other teachers to plan more effective educational programs for families and individuals in this region.

#### Limitations of Study

This study is based predominantly on the 1960 U. S. Census of population and characteristics, the latest comprehensive study available. The validity of these findings has changed somewhat, since there has been a time lapse of more than six years since the census survey. When more recent data pertinent to the subject areas was found, it was substituted for the census findings for greater accuracy. The 1960 census tables of statistics are based on a 25 percent sample of the population.<sup>3</sup> These limitations give justification for further compilations in the area, and research pertinent to the subject.

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<sup>3</sup>U. S. Bureau of the Census. U. S. Census of Population, 1960. General Social and Economic Characteristics, Kentucky. Final report P.C. (1)-19C, page v.



## Definitions

Several terms are used throughout the study, particularly with reference to the statistical tables. In order to establish a common understanding, the meanings of these terms are described here.

Family: A family consists of two or more persons living in the same household who are related to each other by blood, marriage, or adoption; all persons living in one household who are related to each other are regarded as one family.<sup>4</sup>

Household: A household consists of all the persons who occupy a housing unit. A house, an apartment or other group of rooms, or a single room, is regarded as a housing unit when it is occupied or intended for occupancy as separate living quarters, that is, when the occupants do not live and eat with any other persons in the structure and when there is either (1) direct access from the outside or through a common hall or (2) a kitchen or cooking equipment for the exclusive use of the occupants.<sup>5</sup>

Urban-Rural Residence: Includes all incorporated and unincorporated places of 2,500 inhabitants or more, and the towns, townships, and counties classified as urban. The population not classified as urban constitutes the rural population.<sup>6</sup>

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<sup>4</sup>Ibid., p. XVIII.

<sup>5</sup>Ibid., p. XVII.

<sup>6</sup>Ibid., p. VII.

Median School Years Completed: The value which divides the population group into two equal parts--one-half having completed more schooling and one-half having completed less schooling than the median. Median is expressed in terms of a continuous series of numbers representing years of school completed.<sup>7</sup>

Employed: Employed persons comprise all civilians 14 years old and over who were either (a) "at work" those who did any work for pay or profit, or worked without pay for 15 hours or more on a family farm or in a family business; or (b) were "with a job but not at work" those who did not work and were not looking for work but had a job or business from which they were temporarily absent because of bad weather, industrial dispute, vacation, illness, or other personal reasons.<sup>8</sup>

Condition and Plumbing Combined: The category "with all plumbing facilities" consists of units which have hot and cold water inside the structure, and flush toilet and bathtub (or shower) inside the structure for the exclusive use of the occupants of the unit.

Units "lacking only hot water" have all the facilities except hot water. Units "lacking other plumbing facilities" may (or may not) have hot water but lack one or more of the other specified facilities. Also included in the category are

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<sup>7</sup>Ibid., p. XVI.

<sup>8</sup>Ibid., p. XIX.

units having no piped water inside the structure and units whose occupants share toilet or bathing facilities with the occupants of another housing unit.

In the distribution of plumbing facilities for vacant available units, the figures apply only to sound and deteriorating units. Data for dilapidated vacant units are not shown separately, but are included in the distribution for "all units."

Condition of units and quality of plumbing facilities were combined in the 1950 reports also.

Sound Housing: Is defined as that which has no defects, or only slight defects which normally are corrected during the course of regular maintenance. Examples of slight defects are: lack of paint, slight damage to porch steps, slight wearing away of mortar between brick or other masonry, window sills, window frames and etc.

Deteriorating: Needs more repairing than would be provided in the course of regular maintenance, such housing has more than one defect.

Dilapidated: Does not provide safe and adequate shelter and in its present condition endangers the health, safety, or well-being of the occupants. Such housing units has one or more critical defects; or has a combination of intermediate defects in sufficient number or extent to require considerable repair or rebuilding; or is of inadequate original construction. The defects are either so critical or so widespread that the structure should be extensively repaired, rebuilt, or torn down.

Toilet Facilities: A housing unit "has a flush toilet" if it has a flush toilet inside the structure which is available for the use of the occupants of the unit. Flush toilets for exclusive use are differentiated from those that are shared with occupants of other units. Units with other toilet facilities, such as privy, chemical toilet, or outside flush toilet, and units with no toilet facilities are included in the category "other toilet facilities or none."

Bathing Facilities: A housing unit has a bathtub or shower if either facility, supplied with piped water, is inside the structure and available for the use of the occupants of the unit. Bathing facilities for exclusive use are differentiated from those that are shared with occupants of other units. The category "none" consists of units with only portable facilities, as well as units having no bathing facilities inside the structure available for the use of the occupants.

Facilities are Shared: If they are used by occupants of two or more housing units, or if they would be shared with the occupants of a unit now vacant.

Bathroom: Housing unit has a complete bathroom if it has a flush toilet and bathtub (or shower) for the exclusive use of the occupants of the unit and also has piped hot water. The facilities must be located inside the structure but need not be in the same room. A partial bathroom consists of toilet or bathing facilities for exclusive use, but not both. No data on number of bathrooms were provided in the 1950 or 1960 census.



Equipment and Fuels: Heating equipment--"steam or hot water" refers to a central heating system in which heat from steam or hot water is delivered through radiators or heating coils. "Warm air furnace" refers to a central heating system which provides warm air through ducts leading to the various rooms.

"Floor, wall or pipeless furnace" includes permanently installed heating units which deliver warm air to the room directly above the furnace or to the room (or rooms) on one or both sides of the wall in which the furnace is installed. These devices have ducts leading to other rooms.

"Built-in electric units" are heating units which are permanently installed in floors, walls, or ceilings. Heat pumps are included in this category. In some tables, housing units have a "floor, wall or pipeless furnace" and those that have "built-in electric units" are combined into the one category "built-in room units."

"Other means with flue" describes stoves, radiant gas heaters, fireplaces, and other equipment connected to a chimney or flue which carries off the smoke or fumes.

"Other means without flue" describes electric heaters, electric steam radiators, kerosene heaters, radiant gas heaters, and other portable or plug-in devices not connected to a chimney or flue.

Home Food Freezer: Defined as an appliance, separate from the refrigerator, which freezes food and keeps food frozen. The freezer must be located in the housing unit or elsewhere on the property. Excluded is a freezer combined in the same cabinet with a refrigerator, even if it has a separate door.

## CHAPTER II

### THE CARTER CAVES EXTENSION AREA

The settlement of Kentucky began about 1750, but it did not become a state until 1792. Settlers of Kentucky came from colonies lying to the east. Most of them were English, but some Scotch, Irish, French and German people came also. From this background we find most Kentuckians are very much alike in ancestry and in customs.<sup>9</sup>

Geographically, Kentucky is divided into nine subregions. Most people know the area they live in by a subregion name. One story commonly known throughout the state is the story of a shoe. If one studies the map of Kentucky, one notices that the map is shaped a little like a shoe, as this story reveals.

Have you noticed that the map of Kentucky is shaped a little like a shoe? Its toe at the west is the Jackson Purchase subregion--between the Tennessee and Mississippi rivers. It laces along the Ohio River from Paducah through Louisville, and ties at Covington. The back of the shoe is Eastern Kentucky--the Cumberland Plateau subregion. Just at the anklebone lies the Inner Bluegrass subregion, surrounded by the Outer Bluegrass. Along the sole toward the toe lies the Pennyroyal subregion, and toward the heel lies the Cumberland Plateau Margin--the mountain countries. Other subregions are the Western Kentucky Coal Field, the Western Coal Field Margin, and the Central Kentucky Knobs. These

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<sup>9</sup>W. Paul Street (ed.), Kentucky's Resources Their Development and Use. Bulletin of the Bureau of School Service. College of Education, University of Kentucky. Vol. XXXI, Dec., 1958, No. 2, p. 318.

nine different sections of our state . . .  
are all different from each other.<sup>10</sup>

The shoe fits tightest at the heel and back--in the mountain counties. In this part of our state, farms have become small and forests have been largely cut over. The Carter Caves Extension Area lies in this region.

Carter Caves Extension Area consists of 2,199 square miles, encompassing eight counties. Three counties are bordered by Ohio and West Virginia, making them part of the Tri-State Metropolitan Area with more than 250,000 population. The other five counties lie to the south and southeast of these northern river-bordered counties, located at the top of the back of the shoe in Eastern Kentucky. The area is bordered on the Northeast by the Ohio River, and on the southeast by the Big Sandy River, which empties into the Ohio River at Catlettsburg. The elevation of the area ranges from 540 feet to approximately 1,500 feet above sea level.<sup>11</sup>

The topography varies from level to mountainous and land capabilities provide a limited acreage of crop land. Seventy-one percent of the Carter Caves Extension Area is forest and woodland, all of which is eligible for fire protection by the State Conservation Service. A substantial amount of the forest land in Menifee and Rowan Counties is

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<sup>10</sup>Ibid., p. 317.

<sup>11</sup>Carter Caves Area Extension Program. University of Kentucky Cooperative Extension Service. Ashland, Kentucky, January 1, 1966, p. 2.

made up of the Cumberland National Forest, owned by the Federal government.<sup>12</sup>

### Characteristics of Population

Population of the Carter Caves Extension Area, revealed by the U. S. Census, 1960, is 148,822 individuals out of 3,038,158 in Kentucky. In the state 547,823 or 18 percent are classified as rural farm while 35.6 percent or 31,790 persons in the area are rural farm. The rural non-farm population comprises a plurality of the population with 64,771 or 47.2 percent in contrast to 1,137,118 or 37.4 percent for the state. The urban population for the state reaches 44.5 percent or 1,353,215 as contrasted to the area, with only 17.2 percent or 52,261 persons.<sup>13</sup> Therefore the population of Carter Caves Extension area is 82.8 percent rural, while the state population is only 55.4 percent rural.

Comparing the Carter Caves Extension Area population prior to the 1960 census, as illustrated in Table II and Table III,<sup>14</sup> with the latest figures, one finds that only three of the eight counties have had an increase in population

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<sup>12</sup>Ibid., p. 4.

<sup>13</sup>Appendix Table I, Characteristics of Population, Carter Caves Extension Area, U. S. Census, Kentucky 1960, Table 28, appendix page 1.

<sup>14</sup>Ibid., Appendix Table II and Appendix Table III.

since 1940. Greenup and Rowan counties show increases since 1950. The other five counties indicate a total decrease in population for the twenty year period between 1940 and 1960 census reports.

The population by race is predominantly white. The number of non-white residents is extremely small. Area Negro population is 1167, of which 921 reside in Boyd County. Indian, Japanese, Chinese and others add up to only 26 persons throughout the area. In Elliott County, whose total population is 6,330 persons, none is non-white.<sup>15</sup> The population average per household is 3.76 persons. This average ranges from 3.40 persons in Boyd County to 4.12 persons in Elliott County. Boyd County is an urban county located in a metropolitan area, with the highest per capita income in the area. Elliott County is a rural county with a median income by families of \$2,054 as compared to \$5,055 median income by families in Boyd County. There seems to be a trend toward larger families in the rural, smaller population counties.

Population by age groups from under five years to the group over eighty-five, shows that 49.9 percent or one-half of the area population was twenty-five years or under in 1960. Between the ages of twenty-five and fifty are 26.9 percent of the population. The figure of 49.9 percent under twenty-five is three percent greater than the 46.9 percent state average for the same age group. The state average for

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<sup>15</sup>Ibid., Appendix Table IV.

the over-fifty-year group is 23.2 percent, while the twenty-five to fifty-year groups total 30 percent.<sup>16</sup> The median age average for the area is 25.4 years. As stated, the area shows only a 3 percent margin over the state percentage for the twenty-five years and under group. The group 25-50 years is 3.1 percent less than the state average and jumps a mere .2 percent gain over the state average of those over fifty years of age. On the whole the area is much like the state with respect to age of population.

The marital status of the population indicates approximately two-thirds or 65.6 percent of the population fourteen years of age and over are married, thus leaving 34.4 percent, slightly over one-third, single. Of the 102,167 persons, both male and female, fourteen years and over, 830 are separated, while 7,144 are widowed and 2,301 are divorced. The widowed females outnumber widower males 5,454 to 1,690, more than three to one, revealing a higher mortality rate among the males throughout the area.<sup>17</sup> More than 10,000 formerly married persons are living without a spouse, as revealed by the data on separated, widowed and divorced persons. On comparing the state population of 2,110,688 over fourteen years of age, one finds 22.1 percent of the population single, 66.3 percent of the population married, 8 percent widowed, 2 percent divorced and one percent separated. The area has 13.3

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<sup>16</sup>Appendix Table V, Ibid.

<sup>17</sup>Appendix Table VI, Ibid.

percent more single persons than does the state.

### Population in Housing Units

In 1960 the total population of 147,388 living in housing units lived with a mean of 4.1 persons per occupied unit, representing 36,371 families. The population per housing unit in 1960 decreased for the total area by 0.5 percent as compared with 1950.<sup>18</sup>

The dwelling units per structure in the area indicates the majority of families are housed in one unit dwellings. There are 41,189 such units in the area, compared with 1,272 two-unit dwellings, 186 three- and four-unit dwellings and 475 five or more units. Mobile homes, commonly referred to as trailers, total 529 for the area. A decrease in the total number of two, three, four and five unit dwellings has taken place since 1950.<sup>19</sup>

The total dwelling units are 44,122 in the area. Of this number the housing census reveals 44.3 percent or 20,224 of the homes were constructed prior to 1930. During the depression years, part of the period from 1930 to 1939, 16.3 percent or 6,717 dwellings were constructed. From 1940 to 1949, including the World War II years, 17.2 percent or 6,794 dwellings were completed, and from 1950 to 1960 22.2 percent

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<sup>18</sup>Ibid., Appendix Table VII.

<sup>19</sup>United States Bureau of the Census. U. S. Census of Housing, 1960, Appendix Table VIII.

or 10,387 dwelling units were built to house the families in the area.<sup>20</sup> The statistics recording when dwelling structures were built indicate that 60.6 percent of the dwellings, nearly two-thirds, of the homes in the area have been built 28 years and more.<sup>21</sup>

Homes constructed twenty or more years ago are often in need of repairs, remodeling, and may even be deteriorating or dilapidated. Tables on the condition of the housing units reveal that 60.5 percent of them in the area are sound. (Boyd County ranked highest with 80.7 percent of units in sound condition.) Housing units of deteriorating condition number 10,326 or 30 percent. There are 3,747 dilapidated unit structures, or 9.5 percent.<sup>22</sup>

The dwelling units housing the families and individuals in the Carter Caves Extension Area are located in rural farm, rural non-farm and urban areas. A plurality are rural non-farm with 20,125 total dwelling units. Total urban dwelling units reach second position with 18,009. Urban units with sound structures have 94.6 percent with all plumbing; 5.4 percent of the sound urban units lack some or all plumbing. Rural non-farm is almost divided into half with 51.1 percent of the units having all plumbing and 48.9 percent lacking some or all. The rural farm units have more units lacking

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<sup>20</sup>U. S. Census of Housing, Ky., 1960, Ibid., Appendix Table IX.

<sup>21</sup>Ibid.

<sup>22</sup>Ibid., Appendix Table XI.



some or all plumbing, 61.6 percent, than units having all plumbing, 38.4 percent.

In addition to data related to sound dwelling units, the deteriorated and dilapidated structures must be considered in relation to all housing units. In the 1960 Census data, the Census Bureau defined housing units according to the quality of the structure by the terms: sound, deteriorating and dilapidated. The sound structure is one with no structural defects; the deteriorating structure is one with one or more serious defects needing repairs in order to provide adequate shelter and protection against the elements, for example an unsafe porch, rotten or loose window frames, missing bricks or cracks in chimneys; the dilapidated unit is one with more critical defects--such that the house endangers the health and well-being of the occupants.

Throughout the area 23.2 percent or 10,226 housing units are deteriorating. The state percentage of deteriorating properties is 21.5 percent. The dilapidated units number 3,747 or 8.5 percent in the area. The state average of dilapidated units is 8.6 percent. The area is only 1.7 percent above the state average on deterioration and is 0.1 percent below state norms with respect to dilapidated structures.

More than one-half of all dwelling units have hot and cold water, 61.9 percent. This is 4 percent below the state average. Units with cold water only comprise 6.8 percent, or 3,013 units; this is only 1.4 percent below the state average. Those dwelling units with no piped water are 13,543 or 36.7

percent, 12.6 percent above the state average.

Water systems in the area are listed as public systems or private company, individual well and other in the U. S. Census of Housing Data. Those units having public water available are 21,528; individual wells 19,727 and others 2,866. Public sewage disposal is available in seven of the eight counties with 16,643 units using public sewage facilities. Those using septic tank or cesspool total 9,630, while the category listed as "other or none" has 18,019 units without public sewer, septic tank or cesspool service.<sup>23</sup>

To further view the conveniences in the housing units in the Carter Caves Extension Area, a review of the data on water supply and toilet facilities is found in Table XV of the appendix. These data reveal that 16,807 families do not have hot water in the home and only 27,315 of the total dwellings have hot and cold water piped inside their dwelling structure. There are 1,377 dwellings that have no piped water inside the household structure. It is evident that most homes which have piped-in water have both hot and cold water, for only 272 families with inside piped cold water do not have means for heating the water supply.

The 1960 census data on housing only gives toilet facilities information for flush toilet, "other" toilet facilities or none, bathtub or shower, and "no" bathtub or shower. The

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<sup>23</sup>Ibid., Appendix Table XII.

"other" toilet facilities are defined as units with toilet facilities such as privy, chemical toilet, or outside flush toilet, and units with no toilet facilities are all included in the category "other toilet facilities or none."<sup>24</sup>

Of the 44,122 dwelling units in the area 26,474 have flush toilets, 346 share flush toilets and 17,302 have "other toilet facilities." In addition to toilet facilities 26,069 units have a bathtub or shower, and 357 share this facility. There are 17,696 units who have "no" bathtub or shower.<sup>25</sup>

The majority of the dwellings in the area have heating facilities of one type or another. Only 178 have no heating facilities listed. The majority of the homes have floor, wall or pipeless heating, 9326 in 1960, while 6,449 units had warm air furnaces.

The equipment for household dwellings is partially listed with communications equipment in the census data. In the Carter Caves Extension Area most dwellings have a washing machine. There are 35,160 housing units with one kind or another washing machine, while 5,163 units do not have any kind of washing machine. The units having a clothes dryer number 6,714 compared with 33,507 units who do not have a clothes dryer. Only 5,834 of the dwellings have one or more none.<sup>26</sup>

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<sup>24</sup>U. S. Census of Housing, Kentucky, H.C. (1) No. 19, Page XXI. Appendix Table XV.

<sup>25</sup>Ibid.

<sup>26</sup>Ibid., Appendix Table XVI.

The vacancy status of all housing units in the area indicate that few dwellings are vacant and available for sale. In 1950 only 0.4 percent or 192 of the total dwellings were available, in 1960 the situation improved slightly with 0.7 percent or 388 housing units. Housing units available for rent were on the same level as salable units in 1950, but in 1960 the rental units over a ten-year period had increased to 2.2 percent or 1,055 units. Housing units in the area listed as "other" units (those held for caretakers or janitors, settlement of estates and personal reasons of the owner) represent the greater percentage, 7.2 or 2,548 units, of all vacant housing units in the area.<sup>27</sup>

State housing units total 925,572; 64.3 percent or 547,750 are owner-occupied while 35.7 percent or 304,117 are renter occupied. A mere 0.5 percent or 5,430 vacant units in the state are for sale, while the vacant rental units reach 2.3 percent or 20,870 units. The "other" dwelling units for the state total 7.9 percent or 73,710 units.<sup>28</sup>

To further view the vacancy status of housing units, in relation to owner-renter occupancy the data indicates a high percentage of home ownership. In the area, 62.7 percent of the dwellings are owner-occupied. The owner occupancy of units decreased a mere 0.4 percent. For the same period of time renter-occupied units decreased 3.0 percent; this group

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<sup>27</sup>Ibid., Appendix Table XIII.

<sup>28</sup>Ibid.

of dwellings total 27.1 percent of the area units. In 1950 the data shows 12,938 renter units. In 1960 a decrease to 12,119 is indicated. For the owner-occupied units, in 1950 there were 24,327 units, in 1960, 28,102. This indicates a loss of 719 renter-occupied units offset by a gain of 3,775 of owner-occupied units. Boyd and Greenup counties indicate the greatest increase in dwelling units.<sup>29</sup>

The value of owner-occupied housing units is indicated in Table XIV of the Appendix. Most of the owner-occupied units are valued at less than \$9,999. The \$5,000 and less valuation units comprise 42.9 percent; between \$5,000 and \$9,999 we find 33.5 percent. Only 20.5 percent of the units are valued at \$10,000 or over. The average median value of owner-occupied units in the area is \$6,800 as compared to the state median of \$8,800. The state shows 40.8 percent of its owner-occupied dwelling in the less than \$5,000 category. The next larger percentage of homes for the state, as in the area, is the \$5,000 to \$9,999 group, comprising 17.4 percent of the homes.<sup>30</sup>

Renter-occupied units total 10,830 for the area. The price of rent ranges from less than \$20 to \$100 or more, per month. A breakdown of this price scale reveals that 14.2 percent rent for less than \$20 and 31.7 percent rent for between \$20 and \$49. The \$50 to \$79 rent group comprise

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<sup>29</sup>Ibid.

<sup>30</sup>Ibid., Appendix Table XIV.

23.4 percent while the \$80 to \$100 or more class equal 8.4 percent of units. An additional rental group, "no cash rent," comprises 22.5 percent of the renter-occupied units in the area. The median rent for the area is \$45, for the state this median is \$55. In the area, 78 percent of the rented units have a rent contract.<sup>31</sup>

The number of housing units having radios, televisions and telephones reveals the verbal communication facilities available to people in the area. The 1950 census data did not include statistics for housing units with telephones. In the 1960 census findings, the area has 40.3 percent of the housing units with telephones. Those units having radios in 1960 average 83.3 percent, an increase of 14.3 percent over the 1950 statistics. The housing units with television jumped from 1.6 percent in 1950 to 73.8 percent in 1960 for a total 72.2 percent increase.<sup>32</sup>

The area is served by five radio stations located within the area, plus a number of stations in the listening area, from Huntington, West Virginia; Portsmouth, Ironton and Cincinnati, Ohio; Mt. Sterling, Maysville and Lexington, Kentucky. Two television stations from Huntington, West Virginia provide coverage throughout the area. The southern part of the area has coverage from the Lexington area television stations.

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<sup>31</sup>Ibid.

<sup>32</sup>Ibid., Appendix Table XVII.

Extension agents have daily radio broadcasts on three of the local stations, one or more of which cover the entire area. Some extension agents have regularly scheduled weekly television shows on the Huntington stations.

In addition to the audio and visual communications facilities within the homes of the area, the newspaper is an important source of communication with families. The total area is served by nine weekly newspapers and seven daily newspapers. Extension agents have articles in the county weekly papers. The Ashland Daily carries articles by extension agents in its Sunday paper and special article coverage daily. All the newspapers carry articles written by the University of Kentucky specialists.

#### Educational Characteristics

Persons who were enrolled in school were classified according to the level of school in which they were enrolled. The levels have been separately identified in Kentucky as elementary school, high school, and college. Elementary school includes grades one to eight and high school includes grades nine to twelve. College includes junior or community colleges, regular four-year colleges and graduate or professional schools.

Schools are classified as public or private. The "public" school is defined as any school which is controlled and supported primarily by a local, state or federal governmental agency, whereas "private" schools are defined as

schools which are controlled and supported mainly by a religious organization or by private persons or organizations.

The Kentucky Department of Education reveals in their 1965 report on Public School Enrollments, the data pertinent to all of Kentucky's counties. The Carter Caves Area has a total school census of 39,420 pupils. The school census shows 28,002 pupils in grades one to eight, 10,464 pupils in grades nine to twelve.<sup>33</sup> Students, after finishing the eighth grade level, are ready for high school enrollment. In 1965, 2,986 students completed the requirements for elementary school and currently should be completing the 9th grade level. Nothing specific is known of the 1,971 students who completed the twelfth grade in 1965, or any other graduating class. There are approximately 35,000 young people of elementary and secondary school levels who will be the focal point for youth programs involving school-age children in the Carter Caves Extension Area.

To view the educational levels of the population group 25 years of age and over, the data indicates that 12.7 percent or 9,621 persons have between one and four years of elementary schooling, 8,128 or 10.6 percent have between five and six years, 5,628 or 6.4 percent have seven years and 10,608 persons or 26.6 percent in the area have completed the eighth grade. Thirty percent of the population have attended high school. Those attending one to three years comprise 14.8

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<sup>33</sup>Kentucky Department of Education. Report of the Supt. of Public Instruction, 1965. Appendix Table XVIII.



percent, while 15.2 percent completed four years of high school. This indicates that only about half of the persons starting high school actually completed the full four years.

The college education statistics for the area reveal that 10.8 percent of the population have attended some college. Those attending from one to three years total 7 percent, those attending four or more years total 3.8 percent.<sup>34</sup>

The median years of school completed by persons 25 years old and over in the Carter Caves Extension Area is 8.4. The average in Kentucky is 8.7, and the U. S. average is 10.6. This indicates that the population in this area is 2.2 years below the national average, and 0.3 years below the state average. There are 18.7 percent of the population 25 years old and over that have four years or less school as compared to 14.8 percent for the state. The area has 66.4 percent of its youth 15 and 17 years old enrolled in school, while Kentucky average is 70.1 percent and the national average is 80.9 percent.<sup>35</sup>

Located within the area are the following institutions of higher learning and vocational training; according to the Carter Caves Extension Program of Work, 1966:

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<sup>34</sup>Ibid., Appendix Table XIX.

<sup>35</sup>Social Dimensions of Kentucky Counties. Ky. Community Series No. 29, U. K. September 1964. Table 35, pp. 123-124; Table 57, pp. 129-130; Table 60, pp. 135-136. Appendix Table XIX.



<u>Institution</u>	<u>Enrollment--1965</u>
Morehead State University	4,630
University of Kentucky Ashland Center (Community College)	763
Kentucky Christian College, Grayson	144
Ashland Area Vocational School	275
Mayo Vocation School (Extension Center at West Liberty)	84
Ashland and Tri-State Beauty Academies	not known
Ashland Barber College	"
Ashland Cebereal Palsy School (Elem. and Secondary level)	"

The area also has access to Marshall University at Huntington, West Virginia and University Centers operated by Ohio University located at Ironton and Portsmouth, Ohio.

#### Income and Labor Characteristics

The level of living in the Carter Caves Extension Area is reflected by the per capita income which ranges from \$582 in Elliott County to \$1,948 in Boyd County. The per capita income for the United States in 1960 was \$2,223; in Kentucky, \$1,573. The area has only 39 percent of the United States average per capita income.<sup>36</sup>

The data on family income by counties indicate that 41.9 percent of the families in the area have incomes under \$3,000. The area family and related individuals median income is \$2,511 as compared to the state median income of \$3,350. The median income by families for the area and state

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<sup>36</sup>U. S. Census, 1960, Kentucky. General Social and Economic Characteristics. Table 83, pp. 19-216, 19-224. Appendix Table XXI.

respectively is \$2,896 and \$4,501.<sup>37</sup>

The Carter Caves Extension Area has 44,249 people in its labor force with 40,318 being employed. This reflects 8.1 percent of the labor force being unemployed as compared to 6 percent of Kentucky's labor force being unemployed.<sup>38</sup> The non-worker, worker ratio for the area is 2.7 as compared to 1.94 percent for Kentucky, indicating more unemployment for the area.

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<sup>37</sup>Ibid., Appendix Table XXIV.

<sup>38</sup>Ibid., Appendix Table XXIII.

## CHAPTER III

### SUMMARY

Much of the statistical data presented in the U. S. Census Final Report Series is not uniform with regard to subject matter and criteria chosen for statistical analysis, making exact comparisons impossible. The population reports present statistics on the demographic characteristics--age, sex, race, relationship to head of household, and marital status--of the inhabitants of the state. Another series, General Social and Economic Characteristics gives additional detail to the general population series. The housing report presents data on the characteristics of housing units for the state, with separate statistics for each standard metropolitan statistical area, urbanized area, place of 1,000 inhabitants or more, county and rural-farm and rural-non-farm parts of the county.

A variance in listed subjects appears in the 1950 and 1960 census. In some cases subject areas are combined, deleted and adjusted for current use. More subjects have been and will continue to be added as specified in the census data. The 1940 Census of Housing was the first complete census of housing. In some instances, this writer finds, concepts and procedures were not identical from census to census. The differences for the most part, however, are not great enough to invalidate comparisons of the data.

One of the problems encountered in collecting data was the lack of detailed characteristics for rural farm and non-farm areas in the Carter Caves Extension Area that would correlate with Standard Metropolitan Statistical data. This compilation needs to be reinforced with further research carried out on a calendarized schedule. The data indicates the need for subject area surveys, interviews, and the establishment of criteria to evaluate and measure the findings. The living conditions of the people need to be investigated more completely.

The implications of the findings of this study for an extension worker are many and challenging. It is obvious that extension education has a great opportunity to promote programs to alleviate the problems in the Carter Caves Extension Area indicated by the collected data. The people can be reached by extension agents with teaching skills through subject matter lessons relative to needed subject areas, such as housing repair, home furnishing, consumer buying, etc. Literacy needs to be increased, since the median education is only 8.4 years for the area. Sanitation and plumbing facilities need attention when we see 17,302 housing units with "other toilet facilities" rather than flush toilets, and 17,696 units with no bathtub or shower. A need for additional water and sewage facilities is implied by the number of homes without adequate plumbing and water. Since two-thirds of the housing units were built 28 or more years ago, this further indicates the need for housing programs to up-date, renovate,

and restore the units. Approximately 30 percent of our units are in deteriorating condition, 10 percent in dilapidation. The incomes are relatively low in part due to the low median years of education and lack of job skills.

The problem of educating masses of people is not a simple one which the extension worker can face without support from other institutions. This requires the cooperation of the universities, government, other educational institutions, the churches, civic, professional, philanthropic and other organizations of the community, county and state.

The goal of furnishing information for area extension workers is only partially achieved in this study. It is hoped that this study will stimulate other investigations which will improve the planning of extension programs by extension workers and other teachers of home economics through providing additional information about the community and area problems.

The U. S. Census Final Reports offers secondary data to aid in finding out the nature and problems of families in any geographic area. These data provide information of specific subject areas indicating social and economic patterns as well as population characteristics. It is evident that survey data are extremely useful in home management teaching at any educational level.

The purposes of this study were to assemble secondary data, and, by documentation of currently available information to describe accurately the characteristics of the people

and families in an Extension Area in Kentucky--specifically the Carter Caves Extension Area.

The writer has encountered several limitations, including the validity of the data now seven years old. These limitations are justification for further study of the area problems, and subject matter research must be carried out on an area basis.

The specific objectives of the problem were:

1. To describe the Carter Caves Extension Area.
2. To learn the characteristics of the people and families in the Carter Caves Extension Area.
3. To assess the resources available to families.

This study has given the writer a greater knowledge of the area, including the economic level based on income which is quite low, the level of living, level of consumption and socio-economic characteristics. With the data for background information, programs can be planned to reach families with information which should result in improved family conditions. This study points out subject area needs, directly related to the role of the homemaker, and compares the area to the state and the nation for an evaluative comparison when possible.

The writer believes an educational program relative to the people's needs should be planned to help the families in deprived sections of the area as well as the urban dwellers, who may be persuaded to assume a more effective role in the area, and adjust programs within the area in relation to the



data on each county.

The area shows a deep contrast between urbanized communities and sparsely populated rural communities . . . thus the needs contrast just as broadly.

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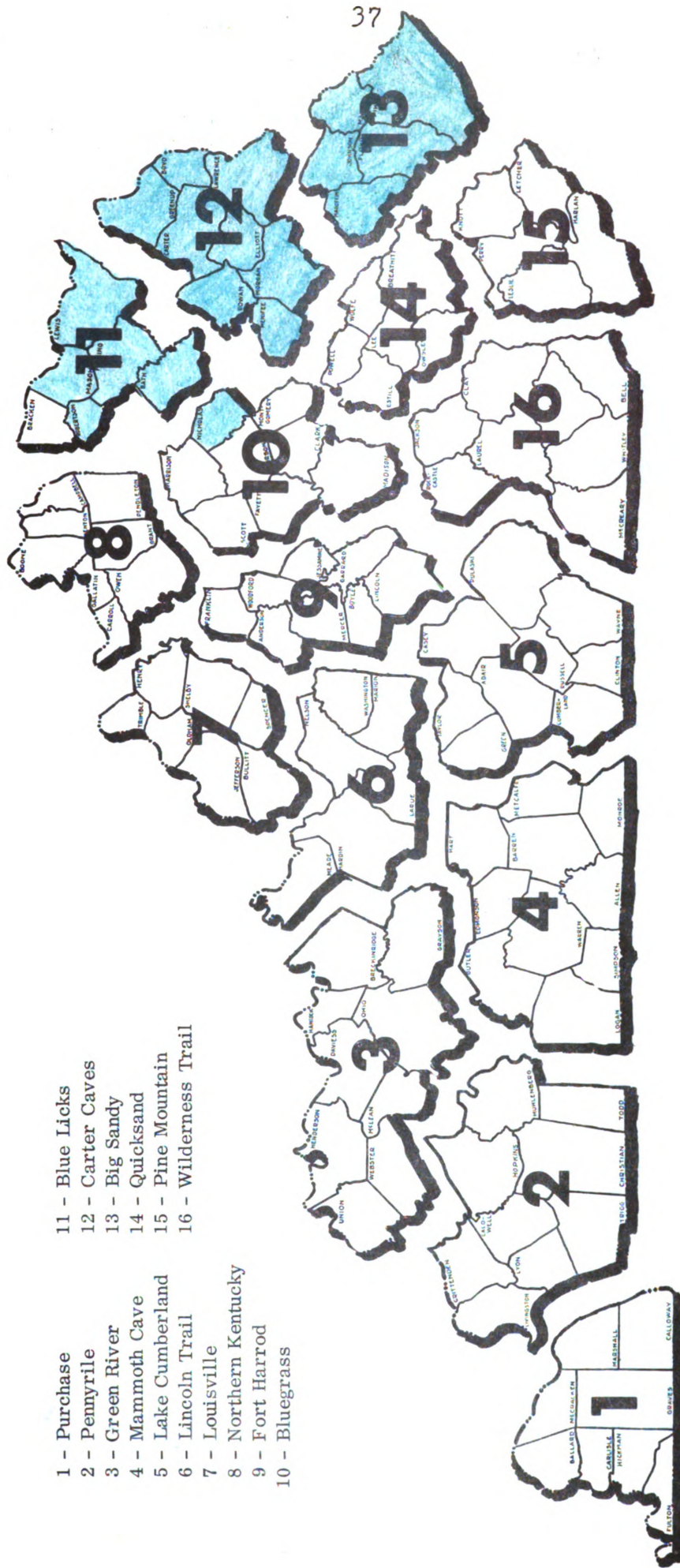
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# Kentucky EXTENSION AREAS

- |                       |                       |
|-----------------------|-----------------------|
| 1 - Purchase          | 11 - Blue Licks       |
| 2 - Pennyrite         | 12 - Carter Caves     |
| 3 - Green River       | 13 - Big Sandy        |
| 4 - Mammoth Cave      | 14 - Quicksand        |
| 5 - Lake Cumberland   | 15 - Pine Mountain    |
| 6 - Lincoln Trail     | 16 - Wilderness Trail |
| 7 - Louisville        |                       |
| 8 - Northern Kentucky |                       |
| 9 - Fort Harrod       |                       |
| 10 - Bluegrass        |                       |



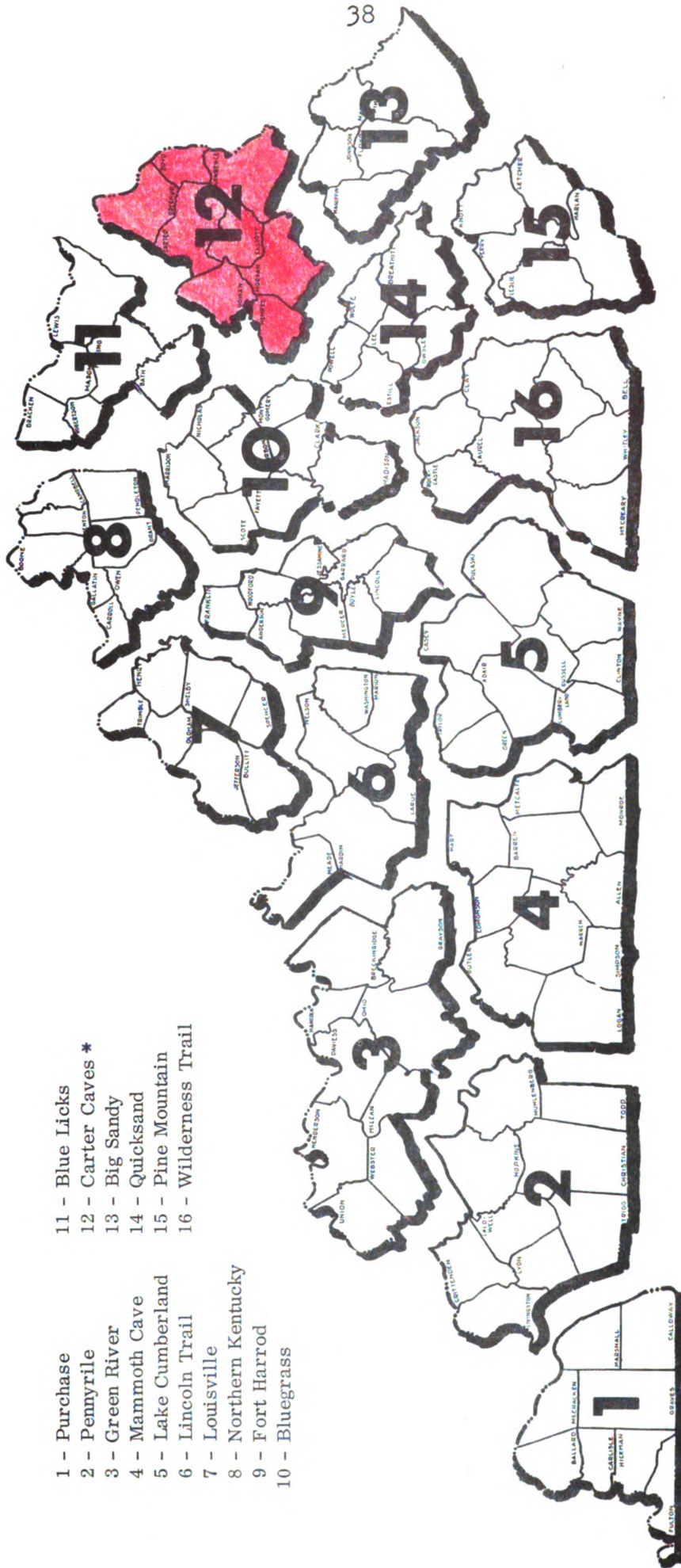
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1500--7-65

District 5A-B, Prior to Area Extension Organization.

# Kentucky EXTENSION AREAS

- |                       |                       |
|-----------------------|-----------------------|
| 1 - Purchase          | 11 - Blue Licks       |
| 2 - Pennyrite         | 12 - Carter Caves *   |
| 3 - Green River       | 13 - Big Sandy        |
| 4 - Mammoth Cave      | 14 - Quicksand        |
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| 6 - Lincoln Trail     | 16 - Wilderness Trail |
| 7 - Louisville        |                       |
| 8 - Northern Kentucky |                       |
| 9 - Fort Harrod       |                       |
| 10 - Bluegrass        |                       |



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\*Carter Caves Extension Area.

TABLE I: CHARACTERISTICS OF POPULATION  
Carter Caves Extension Area

	Boyd County	Carter County	Elliott County	Greenup County	Lawrence County	Menfee County	Morgan County	Rowan County
Total Population	52,163	20,817	6,330	29,238	12,134	4,276	11,056	12,808
In Households	51,237	20,733	6,319	29,163	12,113	4,223	11,053	11,691
Heads of Households	15,069	5,369	1,534	7,761	3,208	1,139	2,876	3,265
Head of Primary Household	13,351	4,875	1,415	7,142	2,863	1,016	2,630	2,867
Primary Individual	1,718	494	119	619	345	123	246	398
Wife of Head	11,819	4,217	1,215	6,431	2,387	883	2,313	2,495
Child Under 18 of Head	17,411	7,718	2,449	11,212	4,178	1,544	4,140	4,151
Other Relative of Head	6,470	3,260	1,062	3,563	2,223	620	1,634	1,583
Nonrelative of Head	470	169	59	196	117	37	90	197
In Group Quarters	924	84	11	75	21	53	3	1,117
Inmate or Institution	625	7	---	9	2	7	---	50
Other	299	77	11	66	19	46	3	1,067
Population Per Household	3.40	3.86	4.12	3.76	3.78	3.71	3.84	3.58

Source: U.S. Census of Population, Kentucky, 1960. General Population Characteristics  
P.C. (1) 19B Ky., Table 28, pp. 19-103, 19-110.



TABLE II: POPULATION CHANGE\*  
Carter Caves Extension Area

	1940 to 1950		1950 to 1960	
	Number	Percent	Number	Percent
<u>Boyd County</u>				
Rural	4,011	8.0	2,214	4.4
Urban:	2,191	15.6	2,938	5.6
	1,820	5.1	(728)	(2.1)
Ashland Catlettsburg	1,594	5.1	152	.5
	226	4.8	(876)	(22.6)
<u>Carter County</u>	(2,986)	(11.7)	(1,742)	(7.7)
Rural	(3,053)	(13.3)	(2,098)	(10.6)
Urban:	67	2.5	356	13.0
Grayson Olive Hill	207	17.6	309	22.3
	(140)	(9.4)	47	3.5
<u>Elliott County (Rural)</u>	(1,628)	(18.7)	(755)	(10.7)
<u>Greenup County</u>	(30)	(0.1)	4,351	17.5
Rural	(2,889)	(14.4)	2,212	12.9
Urban:	2,859	57.7	2,139	27.7
Flatwoods South Shore	1,578	---	2,163	137.1
	1,501	---	(419)	(27.9)

TABLE II: POPULATION CHANGE (CONTINUED)  
Carter Caves Extension Area

	1940 to 1950		1950 to 1960	
	Number	Percent	Number	Percent
Greenup	213	20.0	(36)	(2.8)
Raceland	(47)	(4.5)	114	11.4
Russell	(163)	(8.8)	(223)	(13.3)
Worthington	(223)	(13.4)	540	77.7
<u>Lawrence County</u>	(2,857)	(16.5)	(2,284)	(15.8)
Rural	(2,853)	(17.1)	(3,813)	(27.5)
Urban: Louisa	(4)	(0.7)	1,529	282.1
<u>Menlfee County</u>	(893)	(15.7)	(522)	(10.9)
Rural	(893)	(15.7)	(522)	(10.9)
<u>Morgan County</u>	(3,203)	(19.0)	(2,568)	(18.8)
Rural	(3,561)	(21.9)	(2,802)	(22.1)
Urban: West Liberty	358	62.5	234	25.1
<u>Rowan County</u>	(26)	(0.2)	100	0.8
Rural	(1,227)	(11.3)	968	10.1
Urban: Morehead	1,201	63.2	1,068	34.4

\*Parentheses indicates population decreases.

Source: U.S. Census of Population, 1950, 1960.  
ment Office, Commonwealth of Kentucky.

Spindletop Research, Inc., Area Develop-



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TABLE III: POPULATION TRENDS  
Carter Caves Extension Area

	<u>1940</u>	<u>1950</u>	<u>1960</u>	<u>1964*</u>
<u>Boyd County</u>	45,938	49,949	52,163	51,100
Rural	11,877	14,068	17,006	---
Urban:	34,061	35,881	35,157	---
Ashland	29,537	31,131	31,283	---
Catlettsburg	4,524	4,750	3,874	---
<u>Carter County</u>	25,545	22,559	20,817	21,400
Rural	22,878	19,825	17,727	---
Urban:	2,667	2,734	3,090	---
Grayson	1,176	1,383	1,692	---
Olive Hill	1,491	1,351	1,398	---
<u>Elliott County (Rural)</u>	8,713	7,085	6,330	6,400
<u>Greenup County</u>	24,917	24,887	29,238	29,000
Rural	20,044	17,155	19,367	---
Urban:	4,873	7,732	9,871	---
Flatwoods	---	1,578	3,741	---
South Shore	---	1,501	1,082	---
Greenup	1,063	1,276	1,240	---
Raceland	1,048	1,001	1,115	---
Russell	1,844	1,681	1,458	---
Worthington	918	695	1,235	---
<u>Lawrence County</u>	17,275	14,418	12,135	11,600
Rural	16,729	13,876	10,063	---
Urban: Louisa	546	542	2,071	---
<u>Meniffee County</u>	5,691	4,798	4,276	4,900
Rural	5,691	4,798	4,276	4,900

TABLE III: POPULATION TRENDS (CONTINUED)  
Carter Caves Extension Area

	<u>1940</u>	<u>1950</u>	<u>1960</u>	<u>1964*</u>
<u>Morgan County</u>	16,827	13,624	11,056	10,800
Rural	16,254	12,693	9,891	---
Urban: West Liberty	573	931	1,165	---
<u>Rowan County</u>	12,734	12,708	12,808	15,400
Rural	10,833	9,606	8,638	---
Urban: Morehead	1,901	3,102	4,170	---
<u>Total Counties</u>	157,640	150,028	148,823	150,600
Rural	113,019	99,106	92,298	---
Urban	44,621	50,922	55,524	---

\*1964 population estimated by Kentucky Department of Health.

Source: U. S. Census of Population, Kentucky, 1940, 1950, 1960.

TABLE IV: CHARACTERISTICS OF THE POPULATION: POPULATION BY RACE  
Carter Caves Extension Area

	Boyd	Carter	Greenup	Lawrence	Menifee	Morgan	Rowan	Elliott
Total Population	52,163	20,817	29,238	12,134	4,276	11,056	12,808	6,330
<u>Race</u>								
<u>Male</u>								
White	25,609	10,509	14,554	6,040	2,207	5,647	6,559	3,207
Negro	25,136	10,502	14,484	6,018	2,202	5,644	6,537	3,207
Indian	465	7	70	22	5	3	16	---
Japanese	4	---	---	---	---	---	---	---
Chinese	3	---	---	---	---	---	---	---
Filipino	---	---	---	---	---	---	1	---
Other	---	---	---	---	---	---	---	---
	1	---	---	---	---	---	5	---
<u>Female</u>								
White	26,554	10,308	14,684	6,069	2,069	5,409	6,249	3,123
Negro	26,091	10,303	14,602	6,075	2,061	5,405	6,239	3,123
Indian	456	4	81	19	6	4	9	---
Japanese	1	---	---	---	---	---	---	---
Chinese	2	1	---	---	---	---	---	---
Filipino	2	---	---	---	---	---	---	---
Other	---	---	---	---	---	---	---	---
	1	---	1	---	2	---	1	---

Source: U.S. Census of Population, Kentucky, 1960. General Population Characteristics.  
P.C. (1) 19B, Ky., Table 28, pp. 19-103, 19-110.

TABLE V: POPULATION BY AGE GROUP  
Boyd County  
Carter Caves Extension Area

Age Groups	1950		1960		Percent Change*
	Number	Percent of Total	Number	Percent of Total	
Under 5	5,697	11.4	5,813	11.1	2.2
5 to 9	4,780	9.6	5,354	10.3	12.0
10 to 14	4,500	9.0	5,165	9.9	14.8
15 to 19	3,943	7.9	4,437	8.5	12.5
20 to 24	3,987	8.0	3,145	6.0	(21.1)
25 to 29	4,186	8.4	3,173	6.1	(24.2)
30 to 34	3,642	7.3	3,605	6.9	(1.0)
35 to 39	3,503	7.0	3,631	7.0	3.7
40 to 44	3,328	6.7	3,222	6.2	(3.2)
45 to 49	2,447	4.9	2,832	5.4	15.7
50 to 54	2,095	4.2	2,326	4.5	11.0
55 to 59	1,574	3.1	1,968	3.8	25.0
60 to 64	1,313	2.6	1,655	3.2	26.0
65 to 69	934	1.9	1,244	2.4	33.2
70 to 74	955	1.9	1,281	2.5	34.1
75 to 79	---	---	---	---	---
80 to 84	144	0.3	275	0.5	91.0
Over 85					
Total	49,949	100.0	52,163	100.0	4.4
Median age	27.5 years	---	28.4 years	---	3.3

\*Parentheses denote declines.

Source: U.S. Census of Population, 1960. General Population Characteristics. P.C. (1) 19B Ky., Table 29, pp. 19-112, 19-119. U.S. Censuses of Population, 1950. Spindletop Research, Inc., Area Development Office, Commonwealth of Kentucky.

TABLE V: POPULATION BY AGE GROUP  
Carter County  
Carter Caves Extension Area

Age Groups	1950		1960		Percent Change*
	Number	Percent of Total	Number	Percent of Total	
Under 5	2,888	12.8	2,317	11.1	(19.8)
5 to 9	2,753	12.2	2,361	11.3	(14.2)
10 to 14	2,762	12.2	2,511	12.1	(9.1)
15 to 19	2,365	10.5	2,112	10.1	(10.7)
20 to 24	1,600	7.1	1,287	6.2	(19.6)
25 to 29	1,427	6.3	1,086	5.2	(23.9)
30 to 34	1,349	6.0	1,115	5.3	(17.3)
35 to 39	1,313	5.8	1,156	5.6	(12.0)
40 to 44	1,175	5.2	1,117	5.4	(4.9)
45 to 49	1,021	4.5	1,131	5.4	10.8
50 to 54	915	4.1	1,037	5.0	13.3
55 to 59	741	3.3	870	4.2	17.4
60 to 64	684	3.0	779	3.7	13.9
65 to 69	620	2.7	659	3.2	6.3
70 to 74	467	2.1	560	2.7	19.9
75 to 79	424	1.9	601	2.9	41.7
80 to 84	---	---	---	---	---
Over 85	55	0.3	118	0.6	114.5
Total	22,559	100.0	20,817	100.0	(7.7)
Median age	21.6 years	---	24.3 years	---	17.1

\*Parentheses denote declines.

Source: U.S. Census of Population, 1960. General Population Characteristics, P.C. (1) 19B Ky., Table 29, pp. 19-112, 19-119. U.S. Censuses of Population, 1950. Spindletop Research, Inc. Area Development Office, Commonwealth of Kentucky.

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TABLE V: POPULATION BY AGE GROUP  
Elliott County  
Carter Caves Extension Area

Age Groups	1950		1960		Percent Change*
	Number	Percent of Total	Number	Percent of Total	
Under 5	970	13.7	756	11.9	(22.1)
5 to 9	911	12.9	779	12.3	(14.5)
10 to 14	957	13.5	792	12.5	(17.2)
15 to 19	759	10.7	606	9.6	(20.2)
20 to 24	491	6.9	408	6.4	(16.9)
25 to 29	387	5.5	355	5.6	(8.3)
30 to 34	440	6.2	331	5.2	(24.8)
35 to 39	386	5.4	280	4.4	(27.5)
40 to 44	381	5.4	331	5.2	(13.1)
45 to 49	293	4.1	348	5.5	18.8
50 to 54	244	3.4	297	4.7	21.7
55 to 59	214	3.0	282	4.5	31.8
60 to 64	195	2.8	193	3.0	(1.0)
65 to 69	190	2.7	183	2.9	(3.7)
70 to 74	126	1.8	170	2.7	34.9
75 to 79	116	1.6	182	2.9	56.9
80 to 84	---	---	---	---	---
Over 85	25	0.4	37	0.6	48.0
Total	7,085	100.0	6,330	100.0	(10.7)
Median age	19.6 years	---	22.8 years	---	16.3

\*Parentheses denote declines.

Source: U.S. Census of Population, 1960. General Population Characteristics, P.C. (1) 19B, Ky., Table 29, pp. 19-112, 19-119. U.S. Censuses of Population, 1950. Spindletop Research, Inc., Area Development Office, Commonwealth of Kentucky.



TABLE V: POPULATION BY AGE GROUP  
Greenup County  
Carter Caves Extension Area

Age Groups	1950		1960		Percent Change*
	Number	Percent of Total	Number	Percent of Total	
Under 5	3,180	12.8	3,596	12.3	13.1
5 to 9	2,857	11.5	3,522	12.1	23.3
10 to 14	2,651	10.7	3,347	11.5	26.3
15 to 19	2,234	9.0	2,438	8.3	9.1
20 to 24	1,924	7.7	1,714	5.9	(10.9)
25 to 29	1,858	7.5	1,818	6.2	(2.2)
30 to 34	1,593	6.4	2,067	7.1	29.8
35 to 39	1,503	6.0	1,985	6.8	32.1
40 to 44	1,374	5.5	1,620	5.6	17.9
45 to 49	1,238	5.0	1,469	5.0	18.7
50 to 54	1,133	4.6	1,345	4.6	17.0
55 to 59	1,006	4.0	1,177	4.0	32.2
60 to 64	758	3.0	1,002	3.4	26.4
65 to 69	647	2.6	818	2.8	45.6
70 to 74	408	1.6	594	2.0	32.2
75 to 79	450	1.8	595	2.0	---
80 to 84	---	---	---	---	---
Over 85	73	0.3	131	0.4	79.5
Total	24,887	100.0	29,238	100.0	17.5
Median age	24.0 years	---	25.0 years	---	4.2

\*Parentheses denote declines.

Source: U.S. Census of Population, 1960. General Population Characteristics.  
P.C. (1) 19B Ky., Table 29, pp. 19-112, 19-119. U.S. Censuses of Popu-  
lation, 1950, Spindletop Research, Inc. Area Development Office,  
Commonwealth of Kentucky.

TABLE V: POPULATION BY AGE GROUP  
Lawrence County  
Carter Caves Extension Area

Age Groups	1950		1960		Percent Change*
	Number	Percent of Total	Number	Percent of Total	
Under 5	1,686	11.7	1,261	10.4	(25.2)
5 to 9	1,635	11.3	1,284	10.6	(21.5)
10 to 14	1,752	12.2	1,450	11.9	(17.2)
15 to 19	1,437	10.0	1,144	9.4	(20.4)
20 to 24	918	6.4	627	5.2	(31.7)
25 to 29	848	5.9	537	4.4	(36.7)
30 to 34	740	5.1	541	4.5	(26.9)
35 to 39	821	5.7	625	5.1	(23.9)
40 to 44	810	5.6	628	5.2	(22.5)
45 to 49	689	4.8	677	5.6	(1.7)
50 to 54	623	4.3	665	5.5	6.7
55 to 59	602	4.2	606	5.0	0.7
60 to 64	544	3.8	500	4.1	(8.1)
65 to 69	491	3.4	554	4.6	12.8
70 to 74	364	2.5	465	3.8	27.7
75 to 79	408	2.8	469	3.9	15.0
80 to 84	---	---	---	---	---
Over 85	50	0.3	101	0.8	102.0
Total	14,418	100.0	12,134	100.0	(15.8)
Median age	23.8 years	---	27.8 years	---	16.8

\*Parentheses denote declines.

Source: U.S. Census of Population, 1960. General Population Characteristics P.C. (1) 19B Ky., Table 29, pp. 19-112, 19-119. U.S. Censuses of Population, 1950. Spindletop Research, Inc. Area Development Office, Commonwealth of Kentucky.

TABLE V: POPULATION BY AGE GROUP  
Menifee County  
Carter Caves Extension Area

Age Groups	1950		1960		Percent Change*
	Number	Percent of Total	Number	Percent of Total	
Under 5	679	14.2	453	10.6	(33.3)
5 to 9	567	11.8	444	10.4	(21.7)
10 to 14	578	12.0	567	13.3	(1.9)
15 to 19	445	9.3	389	9.1	(12.6)
20 to 24	333	6.9	243	5.7	(27.0)
25 to 29	279	5.8	174	4.1	(37.6)
30 to 34	254	5.3	226	5.3	(11.0)
35 to 39	258	5.4	208	4.9	(19.4)
40 to 44	212	4.4	216	5.1	1.9
45 to 49	202	4.2	213	5.0	5.4
50 to 54	219	4.6	228	5.3	4.1
55 to 59	189	3.9	192	4.5	1.6
60 to 64	156	3.3	180	4.2	15.4
65 to 69	171	3.6	183	4.3	7.0
70 to 74	124	2.6	147	3.4	18.5
75 to 79	109	2.3	172	4.0	57.8
80 to 84	---	---	---	---	---
Over 85	23	0.5	41	1.0	7.3
Total	4,798	100.0	4,276	100.0	(10.9)
Median Age	22.0 years	---	26.2 years	---	10.1

\*Parentheses denote declines.

Source: U.S. Census of Population, 1960. General Population Characteristics, P.C. (1) 19B Ky., Table 29, pp. 19-112, 19-119. U.S. Census of Population, 1950. Spindletop Research, Inc., Area Development Office, Commonwealth of Kentucky.

TABLE V: POPULATION BY AGE GROUP  
Morgan County  
Carter Caves Extension Area

Age Groups	1950		1960		Percent Change*
	Number	Percent of Total	Number	Percent of Total	
Under 5	1,808	13.3	1,242	11.2	(32.3)
5 to 9	1,624	11.9	1,306	11.8	(19.6)
10 to 14	1,649	12.1	1,323	12.0	(19.8)
15 to 19	1,411	10.4	1,004	9.1	(28.8)
20 to 24	896	6.6	604	5.5	(32.6)
25 to 29	833	6.1	552	5.0	(33.7)
30 to 34	776	5.7	526	4.8	(32.2)
35 to 39	797	5.9	568	5.1	(28.7)
40 to 44	677	5.0	619	5.6	(8.6)
45 to 49	606	4.4	602	5.4	(0.7)
50 to 54	563	4.1	542	4.9	(3.7)
55 to 59	518	3.8	481	4.3	(7.1)
60 to 64	442	3.2	464	4.2	5.0
65 to 69	444	3.3	433	3.9	(2.5)
70 to 74	288	2.1	350	3.2	21.5
75 to 79	236	1.7	375	3.4	58.9
80 to 84	---	---	---	---	---
Over 85	56	0.4	65	0.6	16.1
Total	13,624	100.0	11,056	100.0	(18.8)
Median Age	21.8 years	---	25.4 years	---	16.5

\*Parentheses denote declines.

Source: U.S. Census of Population, 1960. General Population Characteristics, P.C. (1) 19B Ky., Table 29, pp. 19-112, 19-119. U.S. Censuses of Population, 1950. Spindletop Research, Inc., Area Development Office, Commonwealth of Kentucky.

TABLE V: POPULATION BY AGE GROUP  
Rowan County  
Carter Caves Extension Area

Age Group	1950		1960		Percent Change*
	Number	Percent of Total	Number	Percent of Total	
Under 5	1,581	12.4	1,300	10.2	(17.8)
5 to 9	1,498	11.8	1,261	9.8	(15.8)
10 to 14	1,412	11.1	1,292	10.1	(8.5)
15 to 19	1,287	10.1	1,775	13.9	37.9
20 to 24	1,164	9.2	1,361	10.6	15.4
25 to 29	895	7.0	713	5.6	(20.3)
30 to 34	768	6.1	624	4.9	(18.8)
35 to 39	738	5.8	607	4.7	(17.8)
40 to 44	694	5.5	637	5.0	(8.2)
45 to 49	589	4.6	627	4.9	6.5
50 to 54	510	4.0	598	4.7	17.3
55 to 59	426	3.4	517	4.0	21.4
60 to 64	368	2.9	440	3.4	19.6
65 to 69	330	2.6	387	3.0	17.3
70 to 74	207	1.6	278	2.2	34.3
75 to 79	220	1.7	311	2.4	41.4
80 to 84	---	---	---	---	---
Over 85	21	0.2	80	0.6	281.0
Total	12,708	100.0	12,808	100.0	0.8
Median Age	22.5 years	---	22.9 years	---	1.8

\*Parentheses denote declines

Source: U.S. Census of Population, 1960. General Population Characteristics, P.C. (1) 19B Ky., Table 29, pp. 19-112, 19-119. U.S. Censuses of Population, 1950. Spindletop Research, Inc., Area Development Office, Commonwealth of Kentucky.

TABLE VI: CHARACTERISTICS OF POPULATION: MARITAL STATUS  
Carter Caves Extension Area

County	14 Years and Over		Married		Single		Percent Married	
	Male	Female	Male	Female	Male	Female	Male	Female
Boyd	17,816	18,891	12,589	12,757	4,244	3,234	70.7	67.5
Carter	7,078	7,010	4,541	4,636	2,143	1,462	64.2	66.1
Elliott	2,112	2,051	1,322	1,353	654	447	62.6	66.0
Greenup	9,589	9,738	6,804	6,877	2,297	1,736	71.0	70.6
Lawrence	4,115	4,274	2,611	2,729	1,251	904	63.5	63.9
Menlfee	1,491	1,427	952	956	441	262	63.8	67.0
Morgan	3,743	3,675	2,511	2,519	1,048	681	67.1	68.5
Rowan	4,682	4,475	2,682	2,724	1,762	1,186	57.3	60.9
Total	53,608	51,541	34,012	34,551	13,840	9,912	65.0	66.3
53								
<u>Nonwhite</u>								
Boyd	357	325	180	190	149	46	50.4	58.5
Carter	5	3	3	2	2	---	---	---
Elliott	---	---	---	---	---	---	---	---
Greenup	45	50	23	21	17	21	---	---
Lawrence	21	19	10	9	11	7	---	---
Menlfee	5	6	2	5	1	1	---	---
Morgan	1	2	---	2	1	---	---	---
Rowan	17	9	5	5	12	2	---	---
Total	451	394	223	234	191	77	---	---

TABLE VI: CHARACTERISTICS OF POPULATION: MARITAL STATUS (CONTINUED)  
Carter Caves Extension Area

County	Separated		Widowed		Divorced	
	Male	Female	Male	Female	Male	Female
Boyd	131	176	528	2,263	455	637
Carter	40	61	258	440	136	65
Elliot	11	4	93	213	43	38
Greenup	65	80	297	915	191	210
Lawrence	39	50	184	572	69	69
Menifee	12	9	67	188	31	21
Morgan	48	29	126	413	58	62
Rowan	33	42	137	450	101	115
Total	379	451	1,690	5,454	1,084	1,217
						54
<u>Nonwhite</u>						
Boyd	5	11	13	70	15	19
Carter	---	---	1	1	---	---
Elliot	---	---	---	---	---	---
Greenup	---	---	3	7	2	1
Lawrence	1	---	---	3	---	---
Menifee	---	---	2	---	---	---
Morgan	---	---	---	---	---	---
Rowan	---	1	---	2	---	---
Total	6	12	19	83	17	20

Source: U.S. Census of Population Kentucky, 1960. General Population Characteristics.  
P.C. (1) 19B Ky., Table 28, Characteristics of Population for Counties, 1960,  
pp. 19-103, 19-110.

TABLE VII: POPULATION IN HOUSING UNITS  
Carter Caves Extension Area

County	Population in Housing Units		Persons Per Occupied Unit	Persons Per Occupied Unit--1960		Families	
	1950	1960		Owner	Renter	1950	1960
Boyd	48,904	51,003	3.6	3.4	3.4	12,980	13,479
Carter	22,402	20,896	4.3	3.8	4.0	4,975	4,917
Elliott	7,078	6,277	4.7	4.0	4.3	1,515	1,430
Greenup	24,842	30,297	4.0	3.9	4.1	5,980	7,150
Lawrence	14,391	12,058	4.1	3.5	4.2	3,370	2,880 <sup>55</sup>
Menifee	4,774	4,488	4.1	4.0	3.9	990	1,049
Morgan	13,601	10,579	4.3	3.6	3.9	3,120	2,593
Rowan	12,183	11,809	4.0	3.6	3.6	2,840	2,873
Totals	148,175	147,388 (Mean)	4.1	3.7	3.7	35,770	36,371

Source: U.S. Census of Population, Kentucky, 1950-1960. General Population Characteristics, Table 28, Characteristics of the Population for Counties, pp. 19-103-19-110.



TABLE VIII: DWELLING UNITS PER STRUCTURE  
Carter Caves Extension Area

County	Year	Total Units	1 Unit	2 Units	3 and 4 Units	5 or More Units	Trailers
Boyd	1950	13,885	11,101	1,664	699	364	57
	1960	16,185	14,349	866	471	297	202
Carter	1950	5,561	5,291	164	93	6	7
	1960	5,860	5,646	60	43	19	92
Elliott	1950	1,672	1,639	25	6	0	2
	1960	1,783	1,737	5	10	15	16
Greenup	1950	6,563	5,826	546	122	59	10
	1960	8,470	8,066	205	71	29	99
Lawrence	1950	3,920	3,765	90	45	18	2
	1960	3,778	3,654	40	27	32	25
Meniffee	1950	1,247	1,233	12	---	---	2
	1960	1,256	1,245	6	---	---	5
Morgan	1950	3,457	3,339	98	17	0	3
	1960	3,258	3,176	47	11	0	24
Rowan	1950	3,157	2,929	113	46	56	13
	1960	3,532	3,316	43	24	83	66
Totals	1950	39,462	35,113	2,712	329	503	96
	1960	44,122	41,189	(1,272)*	(186)	(475)	529

\*Parenthesis denotes decrease.

Source: U.S. Census of Housing, Kentucky, 1950-1960. Housing: Kentucky State and Small Areas, H.C. (1) No. 19, Ky., Table 35, pp. 19-128, 19-129.

TABLE IX: HOUSING--YEAR STRUCTURES WERE BUILT  
Carter Caves Extension Area

County	Total Dwelling Units	Period When Structure Was Built					
		Pre- 1930		1930 to 1939		1940 to 1949	
		Number	Percent	Number	Percent	Number	Percent
Boyd	16,185	8,087	50.0	2,281	14.1	2,121	13.1
Carter	5,860	2,840	48.5	807	13.8	920	15.7
Elliott	1,783	759	42.6	323	18.1	341	19.1
Greenup	8,470	3,415	40.3	1,007	11.9	1,237	14.6
Lawrence	3,778	1,926	51.0	694	18.4	571	15.1
Menlfee	1,256	541	43.1	143	11.4	267	21.3
Morgan	3,258	1,451	44.5	562	17.2	622	19.1
Rowan	3,532	1,205	34.1	900	25.5	715	20.2
Total	44,122	20,224	44.3	6,717	16.3	6,794	17.2
						10,387	22.2

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Source: U.S. Census of Housing, 1960. Kentucky: State and Small Areas, Table 33,  
pp. 19-113, 19-121.

TABLE X: HOUSING UNIT STRUCTURE CONDITION  
Carter Caves Extension Area

County	Year	Total Housing Units	Sound		Deteriorating		Dilapidated		Not Reported
			Number	Percent	Number	Percent	Number	Percent	
Boyd	1950	13,885	11,480	82.7	*	---	1,886	13.6	519
	1960	16,185	13,054	80.7	2,198	13.6	933	5.8	---
Carter	1950	5,561	3,648	65.6	*	---	1,628	29.3	285
	1960	5,860	3,055	52.1	1,949	33.3	856	14.3	0
Elliott	1950	1,672	1,112	66.5	*	---	483	28.9	77
	1960	1,782	938	52.6	568	31.9	277	15.5	0
Greenup	1950	6,563	5,327	81.2	*	---	1,005	15.3	231
	1960	8,470	6,027	71.2	1,731	20.4	712	8.4	0
Lawrence	1950	3,920	2,858	72.9	*	---	935	23.9	127
	1960	3,778	2,235	59.2	1,305	34.5	238	6.3	---
Menifee	1950	1,247	866	69.4	*	---	346	27.7	35
	1960	1,256	469	45.3	609	48.5	78	6.2	---
Morgan	1950	3,457	2,680	77.5	*	---	640	18.5	137
	1960	3,258	1,982	60.8	1,018	31.2	258	7.9	0
Rowan	1950	3,157	2,416	76.2	*	---	597	18.9	144
	1960	3,531	2,189	62.0	948	26.8	395	11.2	0
Totals	1950	39,462	30,387	74.0			7,520	28.1	1,555
	1960	44,120	30,099	60.5	10,326	30.0	3,747	9.4	

\*Deteriorating condition not included in 1950 census.

Source: U.S. Census of Housing, Kentucky, 1950-1960. Kentucky: State and Small Areas, Table 31, pp. 19-93, 19-101.

TABLE XI: HOUSING STRUCTURE AND PLUMBING CONDITIONS  
Carter Caves Extension Area

County	Total Dwelling Units	Total Units	Sound Structure			
			All Plumbing		Lacking Some of All	
			Number	Percent	Number	Percent
<u>Boyd</u>	16,185	13,054	12,054	92.5	981	7.5
Rural Farm	370	269	185	68.8	84	31.2
Rural Non-Farm	4,158	3,071	2,386	77.7	685	22.3
Urban:	11,658	9,714	9,052	97.8	212	2.2
Ashland	10,388	8,957	8,768	97.9	189	2.1
Catlettsburg	1,269	757	734	97.0	23	3.0
<u>Carter</u>	5,860	3,055	1,585	51.9	1,470	48.1
Rural Farm	1,578	821	256	31.2	565	68.8
Rural Non-Farm	4,282	2,234	1,329	59.5	905	40.5
Urban:	1,022	726	640	88.2	86	11.8
Grayson	573	476	400	84.0	76	16.0
Olive Hill	449	250	240	96.0	10	4.0
<u>Elliot</u>	1,783	938	266	28.4	672	71.6
Rural Farm	990	548	144	26.3	404	73.7
Rural Non-Farm	793	390	122	31.3	268	68.7

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TABLE XI: HOUSING STRUCTURE AND PLUMBING CONDITIONS (CONTINUED)  
Carter Caves Extension Area

County	Total Dwelling Units	Total Units	Sound Structure			
			All Plumbing		Lacking Some or All	
			Number	Percent	Number	Percent
<u>Greenup</u>	8,470	6,027	5,037	83.6	990	16.4
Rural Farm	1,017	361	192	53.2	169	46.8
Rural Non-Farm	4,878	3,302	2,499	75.7	803	24.3
Urban:	3,092	2,803	2,722	97.1	81	2.9
Flatwoods	1,107	1,025	995	97.1	30	2.9
South Shore	343	243	204	84.0	39	16.0
Greenup	394	364	359	98.6	5	1.4
Raceland	339	320	319	99.7	1	0.3
Russell	553	515	512	99.4	3	0.6
Worthington	356	336	333	99.1	3	0.9
<u>Lawrence</u>	3,778	2,235	971	43.4	1,264	56.6
Rural Farm	1,002	681	215	31.6	466	68.4
Rural Non-Farm	2,073	1,066	280	26.3	786	73.7
Urban: Louisa	703	488	476	97.5	12	2.5

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TABLE XI: HOUSING STRUCTURE AND PLUMBING CONDITIONS (CONTINUED)  
Carter Caves Extension Area

County	Total Dwelling Units	Total Units	Sound Structure			
			All Plumbing		Lacking Some or All	
			Number	Percent	Number	Percent
<u>Menifee</u>	1,256	569	193	33.9	376	66.1
Rural Farm	661	311	104	33.4	207	66.6
Rural Non-Farm	595	258	89	34.5	169	65.5
Urban	---	---	---	---	---	---
<u>Morgan</u>	3,258	1,982	750	37.8	1,232	62.2
Rural Farm	1,542	964	249	25.8	715	74.2
Rural Non-Farm	1,716	1,018	501	49.2	517	50.8
Urban: W. Liberty	420	356	324	91.0	32	9.0
<u>Rowan</u>	3,532	2,189	1,444	66.0	745	34.0
Rural Farm	788	482	177	36.7	305	63.3
Rural Non-Farm	1,630	895	491	54.9	404	45.1
Urban: Morehead	1,114	778	748	96.1	30	3.9



TABLE XI: HOUSING STRUCTURE AND PLUMBING CONDITIONS (CONTINUED)  
Carter Caves Extension Area

County	Total Dwelling Units	Total Units	Sound Structure			
			All Plumbing		Lacking Some or All	
			Number	Percent	Number	Percent
<u>Total</u>						
Rural Farm	7,945	4,437	1,522	38.4	2,915	61.6
Rural Non-Farm	20,125	12,234	7,697	51.1	4,537	48.9
Urban	18,009	14,865	13,962	94.6	453	5.4

Source: U.S. Census of Housing, Kentucky, 1960. Kentucky: State and Small Areas, H.C.  
(1) No. 19, Ky., Table 31, pp. 19-93, 19-101.

TABLE XI: HOUSING STRUCTURE AND PLUMBING CONDITIONS  
Carter Caves Extension Area

County	Total Dwelling Units	Total Units	Deteriorating Structure						Dilapidated Structure	
			All Plumbing		Lacking Some or All					
			Number	Percent	Number	Percent	Number	Percent		
<u>Boyd</u>	16,185	2,198	1,354	61.6	844	38.4	933	5.8		
Rural	370	69	28	40.6	41	59.4	32	8.6		
Rural Non-Farm	4,158	735	221	30.1	514	69.9	352	8.5		
Urban:	11,657	1,394	1,105	79.3	289	20.7	549	4.7		
Ashland	10,388	986	787	79.8	199	20.2	445	4.3		
Catlettsburg	1,269	408	318	77.9	90	22.1	104	8.2		
<u>Carter</u>	5,860	1,949	275	14.1	1,674	85.9	856	14.6		
Rural	1,578	612	16	2.6	596	97.4	145	9.2		
Rural Non-Farm	4,282	1,337	259	19.4	1,078	80.6	711	16.6		
Urban:	1,022	208	110	52.9	98	47.1	88	8.6		
Grayson	573	79	26	32.9	53	67.1	18	3.1		
Olive Hill	449	129	84	65.1	45	34.9	70	15.6		
<u>Elliott</u>	1,783	568	16	2.8	552	97.2	277	15.5		
Rural	990	309	8	2.6	301	97.4	133	13.4		
Rural Non-Farm	793	259	8	3.1	251	96.9	144	18.2		

TABLE XI: HOUSING STRUCTURE AND PLUMBING CONDITIONS (CONTINUED)  
Carter Caves Extension Area

County	Total Dwelling Units	Total Units	Deteriorating Structure						Dilapidated Structure	
			All Plumbing		Lacking Some or All					
			Number	Percent	Number	Percent	Number	Percent	Number	Percent
<u>Greenup</u>	8,470	1,731	485	28.0	1,246	72.0	712	8.4		
Rural	1,017	426	56	13.1	370	86.9	230	22.6		
Rural Non-Farm	4,878	1,106	258	23.3	848	76.7	470	9.6		
Urban:	3,092	238	166	69.7	72	30.3	51	1.6		
Flatwoods	1,107	70	45	64.3	25	35.7	12	1.1		
South Shore	343	66	33	50.0	33	50.0	34	9.9		
Greenup	394	27	18	66.7	9	33.3	3	0.8		
Raceland	339	19	18	94.7	1	5.3	---	---		
Russell	553	38	35	92.1	3	7.9	---	---		
Worthington	356	18	17	94.4	1	5.6	2	0.6		
<u>Lawrence</u>	3,778	1,305	186	14.3	1,119	85.7	238	6.3		
Rural	1,002	292	21	7.2	271	92.8	29	2.9		
Rural Non-Farm	2,073	856	29	3.4	827	96.6	151	7.3		
Urban: Louisa	703	157	136	86.6	21	13.4	58	8.3		

TABLE XI: HOUSING STRUCTURE AND PLUMBING CONDITIONS (CONTINUED)  
Carter Caves Extension Area

County	Total Dwelling Units	Total Units	Deteriorating Structure						Dilapidated Structure	
			All Plumbing		Lacking Some or All					
			Number	Percent	Number	Percent	Number	Percent	Number	Percent
<u>Meniffee</u>	1,256	609	24	3.9	585	96.1	78	6.2		
Rural	661	324	9	2.8	315	97.2	26	3.9		
Rural Non-Farm	595	285	15	5.3	270	94.7	52	8.7		
Urban	---	---	---	---	---	---	---	---		
<u>Morgan</u>	3,258	1,018	31	3.0	987	97.0	258	7.9		
Rural	1,542	484	12	2.5	472	97.5	94	6.1		
Rural Non-Farm	1,716	534	19	3.6	515	96.4	164	9.6		
Urban: W. Liberty	420	47	19	40.4	28	59.6	17	4.0		
<u>Rowan</u>	3,532	948	271	28.6	677	71.4	395	11.2		
Rural	788	225	24	10.7	201	89.3	81	10.3		
Rural Non-Farm	1,630	493	64	13.0	429	87.0	242	14.8		
Urban: Morehead	1,114	260	199	76.5	61	23.5	76	6.8		

TABLE XI: HOUSING STRUCTURE AND PLUMBING CONDITIONS (CONTINUED)  
Carter Caves Extension Area

County	Total Dwelling Units	Deteriorating Structure					
		Total Units	All Plumbing		Lacking Some or All		Dilapidated Structure
			Number	Percent	Number	Percent	
<u>Total</u>							
Rural	6,948	2,741	174	10.3	2,567	89.9	770 9.6
Rural Non-Farm	20,125	5,605	873	12.6	4,732	87.4	2,286 11.7
Urban	18,008	2,304	1,735	50.7	569	24.3	840 4.3

Source: U.S. Census of Housing, Kentucky, 1960. Kentucky: State and Small Areas, H.C.  
(1) No. 19, Ky., Table 31, pp. 19-93, 19-101.

TABLE XII: SOURCE OF WATER AND SEWAGE DISPOSAL  
Carter Caves Extension Area

County	All Housing Units	Total	Source of Water			Sewage Disposal		
			Public System or Private System	Individual Well	Other	Public Sewer	Septic Tank or Cesspool	Other or None
Boyd	16,185	16,185	13,266	2,491	428	11,404	3,038	1,743
Carter	5,860	5,860	1,354	3,949	557	751	1,235	3,774
Elllott	1,783	1,783	5	1,569	209	---	197	1,586
Greenup	8,470	8,470	4,386	3,731	353	2,273	3,317	2,880
Lawrence	3,778	3,778	806	2,589	383	691	389	2,698
Morgan	3,258	3,258	368	2,694	196	347	482	2,429
Menifee	1,256	1,256	---	997	259	6	234	1,016
Rowan	3,532	3,532	1,343	1,708	481	1,171	468	1,893
Totals			21,528	19,728	2,866	16,643	9,360	18,019

Source: U.S. Census of Housing, 1960, Kentucky State and Small Area, H.C. (1) No. 19, Ky.,  
Table 35, pp. 19-128, 19-129.

TABLE XIII: TENURE AND VACANCY STATUS OF ALL HOUSING UNITS  
Carter Caves Extension Area

County	Year	Total Units	Owner-Occupied		Renter-Occupied	
			Number	Percent	Number	Percent
Boyd	1950	13,885	8,441	60.8	5,017	36.1
	1960	16,185	10,295	63.6	4,774	29.5
Carter	1950	5,561	3,179	57.2	2,034	36.6
	1960	5,860	3,777	64.5	1,592	27.2
Elliott	1950	1,672	1,125	67.3	392	23.4
	1960	1,783	1,179	66.1	355	19.9
Greenup	1950	6,563	4,197	63.9	2,033	31.0
	1960	8,470	5,933	70.0	1,828	21.6
Lawrence	1950	3,920	2,393	61.0	1,135	29.0
	1960	3,778	2,126	56.0	1,082	28.6
Menifee	1950	1,247	873	70.0	278	22.3
	1960	1,256	795	63.3	344	27.4
Morgan	1950	3,457	2,185	63.2	978	28.3
	1960	3,257	1,956	60.0	920	28.2
Rowan	1950	3,257	1,956	60.0	920	28.2
	1960	3,532	2,041	57.8	1,224	34.7
Total†	1950	39,462	24,327	63.1	12,938	30.1
	1960	44,121	28,102	(62.7)	(12,119)	(27.1)

TABLE XIII: TENURE AND VACANCY STATUS OF ALL HOUSING UNITS (CONTINUED)  
Carter Caves Extension Area

County	Year	Vacant Housing Units					
		Available for Sale*		Available for Rent*		Other	
		Number	Percent	Number	Percent	Number	Percent
Boyd	1950	60	0.4	109	0.8	258	1.9
	1960	162	1.0	413	2.6	541	3.3
Carter	1950	35	0.6	9	0.2	304	5.5
	1960	42	0.7	134	2.3	315	5.4
Elliott	1950	6	0.4	1	0.1	148	8.9
	1960	21	1.2	50	2.8	178	10.0
Greenup	1950	46	0.7	28	0.4	259	3.9
	1960	102	1.2	180	2.1	427	5.0
Lawrence	1950	11	0.3	47	1.1	334	8.5
	1960	14	0.4	119	3.1	437	11.6
Menlfee	1950	---	---	2	0.2	94	7.5
	1960	3	0.2	4	0.3	110	8.8
Morgan	1950	15	0.4	7	0.2	272	7.9
	1960	29	0.9	119	3.7	234	7.2
Rowan	1950	19	0.6	4	0.1	129	4.1
	1960	15	0.4	36	1.0	216	6.1



TABLE XIII: TENURE AND VACANCY STATUS OF ALL HOUSING UNITS (CONTINUED)  
Carter Caves Extension Area

County	Year	Vacant Housing Units					
		Available for Sale*		Available for Rent*		Other	
		Number	Percent	Number	Percent	Number	Percent
Total	1950	192	0.4	207	0.4	1,898	6.0
	1960	388	0.7	1,055	2.2	2,458	7.2
State		5,430	0.5	20,870	2.3		

+Parentheses denote decreases.

\*Includes structures only in nondilapidated condition.

Source: U.S. Census of Housing, Kentucky 1950, 1960. Kentucky State and Small Area, H.C. (1) No. 19, Ky., Table 31, 38, pp. 19-93, 19-101.

TABLE XIV: VALUE OF OWNER-OCCUPIED HOUSING  
Carter Caves Extension Area

	Boyd County		Carter County		Elliott County	
	Number	Percent	Number	Percent	Number	Percent
Owner-Occupied Units	9,054	100.0	1,823	100.0	198	100.0
Value of Owner-Occupied Housing						
Less than \$5,000	1,532	16.9	892	48.9	120	60.6
\$5,000 to \$9,999	3,119	34.4	634	34.8	47	23.7
\$10,000 to \$14,999	2,614	28.9	212	11.6	27	13.6
\$15,000 to \$19,999	1,032	11.4	45	2.5	4	2.0
\$20,000 or More	757	8.4	40	2.2	0	0.0
Median Value--1960	\$9,800	---	\$5,000	---	---	---
Median Value--1950*	\$5,652	---	\$1,839	---	\$2,561	---
Renter-Occupied Units	4,731	100.0	1,347	100.0	212	100.0
Rental						
Less than \$20	103	2.2	162	12.0	38	17.9
\$20 to \$49	1,207	25.5	547	40.6	51	24.1
\$50 to \$79	2,107	44.5	234	17.4	47	22.2
\$80 to \$99	579	12.2	77	5.7	0	0.0
\$100 or More	298	6.3	16	1.2	0	0.0
No Cash Rent	437	9.2	311	23.1	76	35.8
Median Rent--1960	\$61	---	\$36	---	---	---
Contract Rent Number	4,731	100.0	1,036	76.9	136	64.2
Median Rent--1950*	\$33	---	\$21	---	\$18	---

TABLE XIV: VALUE OF OWNER-OCCUPIED HOUSING (CONTINUED)  
Carter Caves Extension Area

	Greenup County		Lawrence County		Menifee County	
	Number	Percent	Number	Percent	Number	Percent
Owner-Occupied Units	4,437	100.0	731	100.0	132	100.0
Value of Owner-Occupied Housing						
Less than \$5,000	1,219	27.5	329	45.0	89	67.4
\$5,000 to \$9,999	1,839	41.4	245	33.5	39	29.5
\$10,000 to \$14,999	736	16.6	111	15.2	4	3.0
\$15,000 to \$19,999	371	8.4	21	2.9	---	0.0
\$20,000 or More	272	6.1	25	3.4	---	0.0
Median Value--1960	\$7,400	---	\$5,500	---	---	---
Median Value--1950*	\$4,053	---	\$3,502	---	\$2,375	---
Renter-Occupied Units	1,673	100.0	897	100.0	231	100.0
Rental						
Less than \$20	98	5.9	167	18.6	92	39.8
\$20 to \$49	483	28.9	324	36.1	52	22.5
\$50 to \$79	568	33.9	189	21.1	10	4.3
\$80 to \$99	110	6.6	---	---	9	3.9
\$100 or More	20	1.2	21	2.3	0	0.0
No Cash Rent	394	23.5	196	21.9	68	29.4
Median Rent--1960	\$52	---	\$38	---	---	---
Contract Rent Number	1,279	76.4	701	78.1	163	70.6
Median Rent--1950*	\$28	---	\$27	---	\$12	---

TABLE XIV: VALUE OF OWNER-OCCUPIED HOUSING (CONTINUED)  
Carter Caves Extension Service

	Morgan County		Rowan County		Area Total	
	Number	Percent	Number	Percent	Number	Percent
Owner-Occupied Units	475	100.0	1,059	100.0	17,909	100.0
Value of Owner-Occupied Housing						
Less than \$5,000	197	41.5	373	35.2	4,750	42.9
\$5,000 to \$9,999	173	36.4	363	34.3	6,454	33.5
\$10,000 to \$14,999	85	17.9	165	15.6	3,954	15.3
\$15,000 to \$19,999	8	1.7	74	7.0	1,555	5.1
\$20,000 or More	12	2.5	84	7.9	1,190	5.1
Median Value--1960	\$6,300	---	\$6,800	---		
Median Value--1950*	\$3,825	---	\$3,568	---		
Renter-Occupied Units	609	100.0	1,130	100.0	10,830	100.0
Rental						
Less than \$20	86	14.1	33	2.9	779	14.2
\$20 to \$49	212	34.8	367	41.3	3,243	31.7
\$50 to \$79	110	18.1	293	25.9	3,558	23.4
\$80 to \$99	13	2.1	100	8.8	888	4.9
\$100 or More	42	6.9	32	2.8	429	3.5
No Cash Rent	146	24.0	205	18.1	1,835	22.5
Median Rent--1960	\$35	---	\$47	---	\$45	---
Contract Rent Number	463	76.0	925	81.9	9,434	78.0
Median Rent--1950*	\$20	---	\$30	---		

\*For urban and rural non-farm units only.

Source: U.S. Census of Housing, Kentucky, 1960, H.C. (1) No. 19 Ky., Table 32, p. 19-103, 19-111.

TABLE XV: HOUSING UNITS  
Carter Caves Extension Area

<u>All Housing Units</u>	<u>State</u>	<u>Boyd</u>	<u>Carter</u>	<u>Elliott</u>	<u>Greenup</u>
<u>Water Supply</u>	925,572	16,185	5,860	1,783	8,470
Hot & Cold Piped Water					
Inside Structure	610,487	14,314	2,345	389	5,908
Only Cold Piped Water					
Inside Structure	76,443	833	518	120	515
Piped Water Outside					
Structure	15,801	63	40	12	78
No Piped Water	222,703	975	2,957	1,262	1,969
<u>Toilet Facilities</u>					
Flush Toilet,					
Exclusive Use	589,469	14,234	2,052	297	5,679
Flush Toilet, Shared	28,599	251	32	---	8
Other Toilet Facilities					
or None	307,366	1,700	3,776	1,486	2,783
<u>Bathing Facilities</u>					
Bathtub or Shower,					
Exclusive Use	574,393	13,926	2,004	304	5,694
Bathtub or Shower,					
Shared	26,414	263	28	---	12
No Tub or Shower	324,627	1,996	3,818	1,479	2,764

TABLE XV: HOUSING UNITS (CONTINUED)  
Carter Caves Extension Area

<u>All Housing Units</u>	<u>Lawrence</u>	<u>Menifee</u>	<u>Morgan</u>	<u>Rowan</u>	<u>Totals</u>
<u>Water Supply</u>	3,778	1,256	3,258	3,532	
Hot & Cold Piped Water Inside Structure	1,389	234	877	1,859	27,315
Only Cold Piped Water Inside Structure	296	135	324	272	3,013
Piped Water Outside Structure	41	---	12	24	270
No Piped Water	2,052	887	2,045	1,377	13,524
<u>Toilet Facilities</u>					
Flush Toilet, Exclusive Use	1,249	237	857	1,869	26,474
Flush Toilet, Shared	10	4	9	32	346
Other Toilet Facilities or None	2,519	1,015	2,392	1,631	17,302
<u>Bathing Facilities</u>					
Bathtub or Shower, Exclusive Use	1,248	241	836	1,816	26,069
Bathtub or Shower, Shared	5	8	13	28	357
No Tub or Shower	2,525	1,007	2,409	1,688	17,696

Source: U. S. Census, Housing, 1960. Kentucky State and Small Areas, Table 28, H.C. (1)  
No. 19, Ky., p. 19-66.

TABLE XVI: STRUCTURAL CHARACTERISTICS  
Carter Caves Extension Area

	<u>State</u>	<u>Boyd</u>	<u>Carter</u>	<u>Elliott</u>	<u>Greenup</u>
<u>Heating Equipment</u> <sup>1</sup>					
Steam or Hot Water	46,580	251	16	---	20
Warm Air Furnace	263,196	3,382	612	143	1,744
Floor, Wall, or					
Pipeless Furnace	96,229	5,174	435	89	2,393
Built-in Electric Units	12,167	46	34	8	55
Other Means with Flue	447,209	3,302	4,570	1,438	3,769
Other Means without Flue	54,327	3,985	174	94	447
None	5,726	45	19	11	40
<u>Washing Machines</u> <sup>2</sup>					
Wringer-Spinner	469,540	7,559	4,024	1,351	5,021
Auto or Semi-Auto	205,105	5,212	637	19	1,951
Washer Dryer Comb	9,845	198	---	---	18
None	167,318	2,100	708	164	771
<u>Clothes Dryers</u> <sup>2</sup>					
Gas	22,073	404	24	---	202
Electric Heated	72,657	3,262	332	98	1,735
None	757,078	11,403	5,013	1,436	5,824
Freezer 1 or More <sup>2</sup>	145,790	1,901	686	337	1,335
None	706,018	13,168	4,683	1,197	6,426

TABLE XVI: STRUCTURAL CHARACTERISTICS (CONTINUED)  
Carter Caves Extension Area

	<u>Lawrence</u>	<u>Meniffee</u>	<u>Morgan</u>	<u>Rowan</u>	<u>Totals</u>
<u>Heating Equipment</u> <sup>1</sup>					
Steam or Hot Water	4	---	4	89	384
Warm Air Furnace	157	81	87	243	6,449
Floor, Wall, or Pipeless Furnace	250	20	346	619	9,326
Built-in Electric Units	17	---	---	40	200
Other Means with Flue	2,598	1,041	2,348	2,274	21,340
Other Means without Flue	752	74	473	244	6,244
None	---	40	---	23	178
<u>Washing Machines</u> <sup>2</sup>					
Wringer-Spinner	2,689	1,041	2,360	2,030	26,075
Auto or Semi-Auto	187	20	62	658	8,746
Washer Dryer Comb	23	---	---	---	239
None	309	78	454	577	5,163
<u>Clothes Dryers</u> <sup>2</sup>					
Gas	43	---	21	---	694
Electric Heated	262	20	41	270	6,020
None	2,903	1,119	2,814	2,995	33,507
Freezer 1 or More <sup>2</sup>	252	179	423	721	5,834
None	2,956	960	2,453	2,544	34,387

<sup>1</sup>U. S. Census of Housing, Ky., 1960, Table 14, pp. 19-26; Table 4, p. 19-7; Table 6, pp. 19-9.

<sup>2</sup>U. S. Census of Housing, Ky., 1960, Table 30, pp. 19-85; Table 6, pp. 19-9.



TABLE XVII: HOUSING UNITS WITH COMMUNICATIONS FACILITIES  
Carter Caves Extension Area

County	Year	Total Occupied Units	Housing Units With Radios		Housing Units With Television		Housing Units With Telephone	
			Number	Percent	Number	Percent	Number	Percent
Boyd	1950	13,458	12,775	94.9	475	3.5	---	---
	1960	15,069	13,383	88.8	13,724	91.1	11,063	73.4
Carter	1950	5,213	4,340	83.3	60	1.2	---	---
	1960	5,369	4,419	82.3	3,906	72.8	1,667	31.0
Elllott	1950	1,517	1,315	86.7	20	1.3	---	---
	1960	1,534	1,123	73.2	1,197	78.0	385	25.1
Greenup	1950	6,230	5,420	87.0	125	2.0	---	---
	1960	7,761	6,677	86.0	6,630	85.4	3,830	49.3
Lawrence	1950	3,528	3,100	87.9	15	0.4	---	---
	1960	3,208	2,514	78.4	2,464	76.8	1,223	38.1
Meniffee	1950	1,151	945	82.1	15	1.3	---	---
	1960	1,139	944	82.9	668	58.6	368	32.3
Morgan	1950	3,163	2,705	85.5	50	1.6	---	---
	1960	2,876	2,322	80.7	1,702	59.2	856	29.8
Rowan	1950	3,005	2,620	87.2	35	1.2	---	---
	1960	3,265	3,069	94.0	2,232	68.4	1,417	43.4
Totals	1950	37,265	33,220	68.8	795	1.6	---	---
	1960	40,221	34,451	83.3	32,523	73.8	20,809	40.3

Source: U. S. Census of Housing, Kentucky, 1960. H.C. (1) No. 19, Ky., Table 30, pp. 19-84, 19-91.

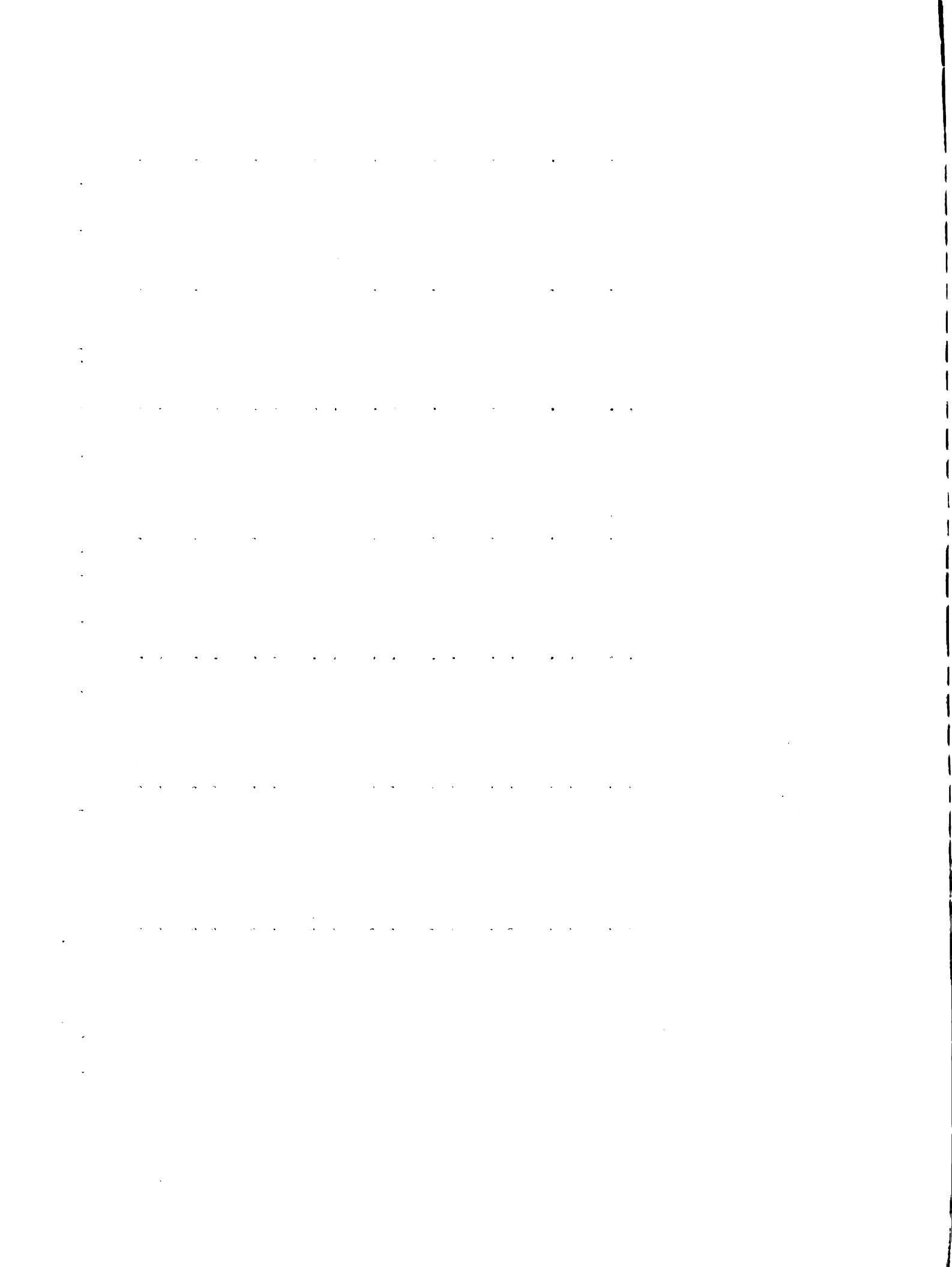


TABLE XVIII: PUBLIC SCHOOL ENROLLMENTS AND GRADUATES--1965\*  
Carter Caves Extension Area

Counties and Independent Districts	School Census	Enrollment		Number Completing	
		Grades 1-8	Grades 9-12	8th Grade	12th Grade
<u>Boyd</u>	3,704	2,736	1,033	293	185
Ashland	6,727	4,758	1,948	477	408
Catlettsburg	900	677	277	70	47
<u>Fairview</u>	<u>1,336</u>	<u>946</u>	<u>429</u>	<u>94</u>	<u>86</u>
Total	12,667	9,117	3,687	934	726
County	3,704	2,736	1,033	293	185
Independent Districts	8,963	6,381	2,654	641	541
<u>Carter</u>	5,617	4,033	1,480	377	246
<u>Elllott</u>	1,867	1,270	385	144	73
<u>Greenup (Co)</u>	4,322	3,083	1,170	362	236
Greenup (City)	483	408	161	46	30
Raceland	942	676	293	97	60
Russell	2,887	2,119	746	245	155
South Portsmouth**	<u>222</u>	<u>171</u>	<u>70</u>	<u>13</u>	<u>13</u>
Total	8,856	6,457	2,440	763	494

TABLE XVIII: PUBLIC SCHOOL ENROLLMENTS AND GRADUATES--1965 (CONTINUED)  
Carter Caves Extension Area

<u>Counties and Independent Districts</u>	<u>School Census</u>	<u>Enrollment</u>		<u>Number Completing</u>	
		<u>Grades 1-8</u>	<u>Grades 9-12</u>	<u>8th Grade</u>	<u>12th Grade</u>
<u>Lawrence</u>	3,110	2,188	776	220	143
<u>Menlfee</u>	1,301	772	345	86	72
<u>Morgan</u>	3,001	2,193	664	259	93
<u>Rowan</u>	3,001	1,973	687	203	124
<u>Total for Eight Counties</u>	39,420	28,003	10,464	2,986	1,971
					80

\*Source: Report of the Superintendent of Public Instruction, Kentucky Department of Education, 1965.

\*\*South Portsmouth Independent School District emerged with the Greenup County System in late summer, 1966.

TABLE XIX: SCHOOL COMPLETED BY PERSONS 25 YEARS AND OLDER  
Carter Caves Extension Area

	Boyd County		Carter County		Elliott County	
	<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>
Population	13,390	14,760	5,024	5,174	1,540	1,466
No Schooling	192	180	127	78	45	44
Elementary						
1-4 Years	1,114	812	1,112	700	438	249
5-6 Years	1,119	1,242	825	795	219	295
7 Years	734	842	373	447	123	151
8 Years	2,913	3,322	1,434	1,693	464	454
High School						
1-3 Years	2,594	3,028	486	673	96	145
4 Years	2,849	3,613	410	494	103	75
College						
1-3 Years	1,053	1,155	124	206	37	42
4 or More	822	566	133	88	15	11
Median School Years	9.7	10.0	8.1	8.3	7.6	8.0

TABLE XIX: SCHOOL COMPLETED BY PERSONS 25 YEARS AND OLDER (CONTINUED)  
Carter Caves Extension Area

	<u>Greenup County</u>		<u>Lawrence County</u>		<u>Menlfee County</u>	
	<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>
Population	7,275	7,349	3,067	3,227	1,090	1,072
No Schooling	128	71	83	52	27	21
Elementary						
1-4 Years	983	674	666	548	326	164
5-6 Years	860	783	425	447	144	190
7 Years	649	674	235	214	135	95
8 Years	1,867	1,827	1,018	1,166	301	376
High School						82
1-3 Years	1,180	1,392	258	309	60	80
4 Years	1,011	1,254	235	306	65	84
College						
1-3 Years	343	483	60	149	11	27
4 or More	254	191	87	36	21	35
Median School Years	8.5	8.8	8.1	8.3	7.4	8.2

TABLE XIX: SCHOOL COMPLETED BY PERSONS 25 YEARS AND OLDER (CONTINUED)  
Carter Caves Extension Area

	Morgan County		Rowan County		Totals	
	Male	Female	Male	Female	Male	Female
Population	2,755	2,768	2,935	2,873	37,076	38,689
No Schooling	97	40	56	41	755	527
Elementary						
1-4 Years	497	418	557	403	5,653	3,968
5-6 Years	486	446	455	402	3,528	4,600
7 Years	243	246	238	229	2,730	2,898
8 Years	878	1,002	702	769	9,577	10,608
High School						
1-3 Years	196	211	176	314	5,046	6,152
4 Years	194	216	292	296	5,159	6,338
College						
1-3 Years	85	125	225	213	1,938	2,400
4 Years	79	64	234	206	1,645	1,197
Median School Years	8.1	8.2	8.2	8.5		

Source: U.S. Census of Population, Kentucky, 1960. General Social and Economic Characteristics, P.C. (1) 19C Ky., Table 83, pp. 19-216, 19-224.

TABLE XX: EDUCATION  
Carter Caves Extension Area

County	Total Educational Expenditures, Federal, State and Local per pupil <sup>1</sup> in grades 1-12, 1960.				Local Educational Expenditure per Pupil		Rank
	Total, Per Pupil Expenditure	Rank <sup>2</sup>	Pupils Per District	Rank			
Boyd	264.76	69	2,836	34	131.05		24
Carter	227.31	110	5,300	8	46.97		92
Elllott	277.46	48	1,701	84	23.20		116
Greenup	270.63	58	1,553	91	111.06		36
Lawrence	217.89	115	3,078	26	57.21		84
Meniffee	262.23	75	1,088	107	41.94		97
Morgan	232.16	106	2,840	32	28.62		110
Rowan	287.29	35	2,431	44	116.12		31

<sup>1</sup>Computed by dividing the average daily membership into the current operating tax revenues contributed locally for operating expenses of the school district for the fiscal year ending June 30, 1960. The Kentucky Sources for local tax revenues for school districts include general property tax, whiskey tax, bank share tax, and poll tax.

<sup>2</sup>Each county is assigned a rank on each dimension in accordance with numerical magnitude of its "score" on that dimension. Thus, ranks permitted common basis for measuring variation among counties on dimension extremely diverse in character.

Source: The Social Dimensions of Kentucky Counties, Kentucky Community Series, No. 29, University of Kentucky, Sept. 1964, Table 35, pp. 123-124, Table 57, pp. 129-130, Table 60, pp. 135-136.



TABLE XXI: INCOME DISTRIBUTION  
Carter Caves Extension Area

	<u>Ky.</u>	<u>Area</u>	<u>Boyd</u>	<u>Carter</u>	<u>Elliot</u>	<u>Greenup</u>	<u>Lawrence</u>	<u>Menifee</u>	<u>Morgan</u>	<u>Rowan</u>
Percentage distribution of personal income by sources										
Wages and Salary	66.3	54.6	68.1	65.9	41.4	47.4	50.4	50.3	49.0	64.1
Farm	6.4	11.5	0.8	7.6	25.3	5.4	8.6	16.3	22.4	5.9
Non-Farm	7.2	7.1	8.9	5.8	8.9	7.9	7.8	5.6	6.6	5.5
Property Income	11.0	6.9	14.3	4.1	3.5	11.3	6.7	3.6	3.9	7.6
Transfer Payments	9.1	19.9	7.8	16.5	20.9	28.0	26.5	24.2	18.0	16.9

85

Source: U.S. Census of Population. General Social and Economic Characteristics, Ky.,  
P.C. (1) 19C, Table 86, pp. 19-246, 19-254.

TABLE XXII: LABOR FORCE CHARACTERISTICS  
Carter Caves Extension Area

	<u>Boyd</u>	<u>Carter</u>	<u>Elliott</u>	<u>Greenup</u>	<u>Lawrence</u>	<u>Menifee</u>	<u>Morgan</u>	<u>Rowan</u>	<u>Area Totals</u>
Male, 14 Years Old and Over	17,809	7,078	4,278	9,585	4,115	1,491	3,743	4,682	52,781
Labor Force	13,111	4,507	2,761	6,591	2,157	916	2,346	733	35,122
Armed Forces	24	12	4	4	---	---	---	15	59
Civilian Labor Force	13,087	4,495	2,757	6,587	2,157	916	2,346	2,718	35,063
Employed	11,929	3,907	2,405	6,000	1,884	833	2,191	2,453	31,603
Unemployed	1,158	588	307	587	273	83	154	265	3,415
Female, 14 Years Old and Over	18,898	7,016	4,492	9,742	4,274	1,427	3,675	4,475	53,999
Labor Force	4,972	1,327	931	1,806	512	277	494	1,006	11,325
Employed	4,693	1,224	824	1,682	479	269	482	953	10,606
Unemployed	279	103	107	124	33	8	12	53	719

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221	12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TABLE XXII: LABOR FORCE CHARACTERISTICS (CONTINUED)  
Carter Caves Extension Area

<u>Age of Persons in Labor Force</u>	<u>Boyd</u>	<u>Carter</u>	<u>Elliott</u>	<u>Greenup</u>	<u>Lawrence</u>
<u>Male</u>					
14-17 Years Old	321	129	65	81	58
18-24 Years Old	1,668	743	446	744	252
25-34 Years Old	3,302	933	589	1,686	425
35-44 Years Old	2,997	953	536	1,758	510
45-64 Years Old	4,265	1,526	936	2,085	774
65 Years Old & Over	558	223	189	235	138
<u>Female</u>					
14-17 Years Old	137	44	16	49	29
18-24 Years Old	816	292	137	278	79
25-34 Years Old	1,076	234	196	393	68
35-44 Years Old	1,097	336	228	453	115
45-64 Years Old	1,663	357	310	575	197
65 Years Old & Over	183	64	44	58	24



TABLE XXII: LABOR FORCE CHARACTERISTICS (CONTINUED)  
Carter Caves Extension Area

<u>Age of Persons in Labor Force</u>	<u>Menifee</u>	<u>Morgan</u>	<u>Rowan</u>	<u>Area Totals</u>	<u>State Both Sexes</u>	<u>% of Pop in Labor Force</u>
<u>Male</u>						
14-17 Years Old	44	75	107	880	743,255	71.7
18-24 Years Old	145	343	533	4,874	22,759	20.4
25-34 Years Old	161	506	550	8,154	112,810	76.7
35-44 Years Old	186	461	587	8,015	162,786	92.2
45-65 Years Old	332	766	828	8,512	168,159	83.4
65 Years Old & Over	48	195	128	8,512	239,247	28.4
<u>Female</u>						
14-17 Years Old	4	8	55	342		
18-24 Years Old	32	94	246	1,974		
25-34 Years Old	57	80	182	2,286		
35-44 Years Old	58	139	173	2,599		
45-64 Years Old	117	165	339	3,723		
65 Years Old & Over	9	8	11	401		

Source: U.S. Census of Population, 1960, Kentucky General Social and Economic Characteristics, P.C. (1) 19C Ky., Table 83, pp. 19-216, 19-224.

TABLE XXIII: EMPLOYMENT STATISTICS  
Carter Caves Extension Area

	<u>Kentucky</u>	<u>Area</u>	<u>Boyd</u>	<u>Carter</u>	<u>Elliott</u>
Number in Labor Force	1,034,489	44,249	18,083	5,834	1,494
Employed	935,944	40,318	16,622	5,131	1,338
Unemployed	60,250	3,858	1,437	691	156
% of Labor Force Unemployed	6.0	8.1	8.0	11.9	10.4
Non-Worker, Worker Ratio	1.94	2.7	1.88	2.57	3.24

TABLE XXIII: EMPLOYMENT STATISTICS (CONTINUED)  
Carter Caves Extension Area

	<u>Greenup</u>	<u>Lawrence</u>	<u>Menifee</u>	<u>Morgan</u>	<u>Rowan</u>
Number in Labor Force	8,397	2,669	1,193	2,840	3,739
Employed	7,682	2,363	1,102	2,674	3,406
Unemployed	711	306	91	166	300
Percent of Labor Force Unemployed	8.5	11.5	7.6	5.8	8.5
Non-Worker, Worker Ratio	2.48	3.55	2.58	2.89	2.43 <sup>8</sup>

Source: U.S. Census of Population, Kentucky, 1960. General Social & Economic Characteristics. Table 84, pp. 19-226, 19-234.



TABLE XXIV: FAMILIES INCOME BY COUNTIES  
Carter Caves Extension Area

<u>Family Income</u>	<u>Area</u>	<u>Boyd</u>	<u>Carter</u>	<u>Elliott</u>
All Families (no.)	36,371	13,479	4,917	1,430
Under \$1,000	4,692	871	803	321
\$1,000 - \$1,999	5,785	1,163	953	382
\$2,000 - \$2,999	4,502	1,296	734	222
\$3,000 - \$4,999	8,657	3,306	1,315	275
\$5,000 - \$9,999	10,671	5,580	998	191
\$10,000 and Over	2,064	1,263	114	39
Percent Families Under \$3,000	41.9	24.7	50.6	64.7
Median Income by Families and Related Individuals	2,511	4,483	2,631	1,829
Median Income by Families	2,896	5,055	2,957	2,054

TABLE XXIV: FAMILIES INCOME BY COUNTIES (CONTINUED)  
Carter Caves Extension Area

<u>Family Income</u>	<u>Greenup</u>	<u>Lawrence</u>	<u>Menifee</u>	<u>Morgan</u>	<u>Rowan</u>
All Families (no.)	7,150	2,880	1,049	2,593	2,873
Under \$1,000	776	693	237	578	413
\$1,000 - \$1,999	875	709	392	736	575
\$2,000 - \$2,999	721	430	175	433	491
\$3,000 - \$4,999	1,871	571	151	484	684
\$5,000 - \$9,999	2,500	398	79	326	599
\$10,000 and Over	407	79	15	36	111
% Families Under \$3,000	33.2	63.6	76.6	67.4	51.5
Median Income by Families and Related Individuals	4,119	1,798	1,640	1,796	1,792
Median Income by Families	4,393	2,088	1,733	1,976	2,913

Source: U.S. Census of Population, 1960. General Social and Economic Characteristics,  
P.C. (1) 19C, Table 76, pp. 19-192 and Table 86, pp. 19-246, 19-254.



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