

PERSONAL INCOME AND POPULATION  
IN IOWA COUNTIES: 1950-1962

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to

METHODOLOGICAL SUMMARY REPORT

1 June 1966

Contract No. NASr-63(04)

MRI Project No. 2571-M

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Office of Grants and Research Contracts

Washington, D. C. 20546



MIDWEST RESEARCH INSTITUTE

425 VOLKER BOULEVARD/KANSAS CITY, MISSOURI 64110/AC 816 LO 1-0202

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## PREFACE

Personal income is considered to be one of the best single measures of economic progress and well-being. This is true at all levels--national, state, local. Estimates of personal income for the nation are published monthly by the U. S. Department of Commerce, Office of Business Economics, in its Survey of Current Business, and state estimates are prepared annually. Unfortunately, comparable estimates of personal income at the county level are not available. Because of the need for income information at the sub-state level, a research effort was undertaken, under the sponsorship of the National Aeronautics and Space Administration, to develop estimates of county income, population and other measures of economic progress for a six-state region\*. Questions relating to concepts, methodology, data sources, and data limitations for the region as a whole are discussed in separate volumes\*\*. This appendix volume dealing with the State of Iowa was prepared by the Bureau of Business and Economic Research, State University of Iowa. The report is one of six which present the methodology followed by the respective states along with estimates of county population and personal income.

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\* Arkansas, Iowa, Kansas, Missouri, Nebraska and Oklahoma.

\*\* Midwest Research Institute, Methods of Estimating Personal Income By County in the Six-State Region of Arkansas, Iowa, Kansas, Missouri, Nebraska and Oklahoma, May 1966.

Richard W. Poole, James D. Tarver, David White and William R. Gurley, An Evaluation of Alternative Techniques for Estimating County Population in a Six-State Area, Economic Research Series No. 3, Oklahoma State University, March 1966.

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W. Nelson Peach, Richard W. Poole, James D. Tarver, Larkin B. Warner and Lee B. Zink, Source Notes and Explanations for County Building Block Data for Regional Analysis, Research Foundation, Oklahoma State University, March 1965.

Larkin Warner, Estimates of Electricity Sales By Utilities, By County and Class of Service, Oklahoma, 1950 and 1960, Research Foundation, Oklahoma State University, 1965.

TABLE OF CONTENTS

|  | <u>Page No.</u> |
|--|-----------------|
| I. Introduction. . . . .   | 1               |
| II. Methods for Allocating Personal Income. . . . .                    | 1               |
| Wage and Salary Disbursements. . . . .                                 | 2               |
| Other Labor Income . . . . .   | 6               |
| Proprietor's Income. . . . .   | 6               |
| Property Income. . . . .   | 8               |
| Transfer Payments. . . . .   | 8               |
| Personal Contributions to Social Insurance . . . . .                   | 10              |
| Total Personal Income. . . . .   | 10              |
| III. Estimates of Population and Personal Income by County in Iowa . . | 11              |
| Appendix A - Procedures for Estimating Farm Income. . . . .            | 30              |
| Appendix B - Data Sources . . . . .                                    | 43              |

List of Tables

| <u>Table</u> | <u>Title</u>   | <u>Page No.</u> |
|--------------|--|-----------------|
| I            | Personal Income in Iowa by County: 1950-1962 . . . . .       | 12              |
| II           | Population in Iowa by County: 1950-1962. . . . .             | 15              |
| III          | Per Capita Personal Income in Iowa by County: 1950-1962. . . | 18              |
| IV           | Major Components of Personal Income in Iowa by County:       |                 |
|              | 1950-1962 . . . . .  | 21              |
| Va           | Wage and Salary Income by Sector in Iowa by County: 1950 . . | 24              |
| Vb           | Wage and Salary Income by Sector in Iowa by County: 1962 . . | 27              |

## I. INTRODUCTION

Allocations of state personal income to the 99 counties in Iowa have been made for the years 1950 - 1962, inclusive. This report sets forth the methods used in making these allocations and presents tabulations of the results. The methods were determined through a variety of techniques, which include correlation analyses among data sources, allocations, mappings, rank correlations and trial-and-error procedures. The techniques employed to determine the methodology for each individual category are not enumerated in this report, but are available upon request from the Bureau of Business and Economic Research, State University of Iowa.

The bureau is continuing the county income program and is currently refining the methodology and updating the estimates.

## II. METHODS FOR ALLOCATING PERSONAL INCOME

Estimates of total personal income by county were obtained by allocating the following categories of state personal income to the 99 Iowa counties:

### A. Wage and Salary Disbursements

1. Farms,
2. Mining,
3. Contract Construction,
4. Manufacturing,
5. Wholesale and Retail Trade,
6. Finance, Insurance and Real Estate,
7. Transportation,
8. Communications and Public Utilities,
9. Services,
10. Government, and
11. Other Industries.

### B. Other Labor Income

### C. Proprietors' Income

1. Farm, and
2. Nonfarm.

D. Property Income

E. Transfer Payments

F. Personal Contributions to Social Insurance

Wage and Salary Disbursements

Farms: Wages and salaries from farm employment were allocated according to the county figures for "Cash Wages for Hired Labor" as reported in the U. S. Census of Agriculture. Wages for 1954 and 1959 were allocated directly from the census data. For all other years, an average of the three years census data (1949, 1954 and 1959) was used for the allocations.

Mining: Wages and salaries earned in mining were allocated to the counties on the basis of "Wages Paid in Mining" as reported in the U. S. Census of Mineral Industries for 1954 and 1958, and "Number Employed in Mining" according to the U. S. Census of Population for 1950 and 1960. "Wages Paid in Mining" for 1954 were applied directly from the Census of Minerals for 1950 - 1956; for 1957 - 1962 "Wages Paid in Mining" for 1958 were applied. The difference between the state total for mining wages as given in "Personal Income" and the state total for mining wages as listed in the Census of Minerals was allocated to the counties according to the "Number Employed in Mining", according to the U. S. Census of Population. The 1950 census data were used for 1950 - 1953; census data for 1960 were used for 1958 - 1962; the average of 1950 and 1960 data was used for 1954 - 1957.

Contract construction: Wages and salaries paid in construction were allocated to the counties according to "Reported Wages Paid" secured from the Iowa Employment Security Commission and according to "Number Employed in Construction" as reported in the U. S. Census of Population for 1950 and 1960, as follows:

For 1950 and 1951, wages and salaries were allocated according to the "Number Employed in Construction" as reported in the 1950 Census of Population.

For 1952 - 1956, IES wages for each year were applied directly to the counties. The difference between the personal income wages and IES wages was allocated according to an average of 1950 and 1960 Census of Population data for "Number Employed in Construction".

For 1957 and 1958, wages and salaries were allocated according to the average "Number Employed in Construction" from the 1950 and 1960 Census of Population.

For 1959 - 1962, wages and salaries were allocated according to the "Number Employed in Construction" as reported in the 1960 Census of Population.

Manufacturing: Wages and salaries paid in manufacturing were allocated to the counties according to "Reported Wages Paid" secured from the Iowa Employment Security Commission and according to "Wages Paid in Manufacturing", as reported in the Census of Manufacturing for 1947, 1954 and 1959, as follows:

For 1950 and 1951, the average of "Wages Paid" according to the Census of Manufacturing for 1947 and 1954 was used.

For 1952, 1953, 1955 and 1956, IES wages were used to make the allocations.

For 1954, "Wages Paid in Manufacturing" as reported in the Census of Manufacturing for 1954 were used.

For 1957 - 1962, "Wages Paid in Manufacturing" as reported in the Census of Manufacturing for 1958 were used.

Wholesale and retail trade: Wages and salaries in wholesaling and retailing were allocated to the counties according to the Census of Retailing for 1954 and 1958; the Census of Wholesaling for 1954 and 1958; County Business Patterns for 1951, 1953, 1956, 1959 and 1962, and Iowa Employment Security Commission data as follows:

For 1950 - 1952, "Sum of Retail and Wholesale Wages" as listed in County Business Patterns for 1951 was used.

For 1953, "Sum of Retail and Wholesale Wages" as listed in County Business Patterns for 1953 was used.

For 1954, allocations were made according to the sum of payrolls from the Census of Retailing for 1954 and the Census of Wholesaling for 1954.

For 1955, "Reported Wages Paid" secured from the Iowa Employment Security Commission were used.

For 1956, "Sum of Retail and Wholesale Wages" as listed in County Business Patterns for 1956 was used.

For 1957 and 1958, wages and salaries were allocated according to the sum of payrolls from the Census of Retailing for 1958 and the Census of Wholesale for 1958.

For 1959 and 1960, "Sum of Retail and Wholesale Wages" as listed in County Business Patterns for 1959 was used.

For 1961 and 1962, "Sum of Retail and Wholesale Wages" as listed in County Business Patterns for 1962 was used.

Finance, insurance and real estate: Wages paid in finance, insurance and real estate were allocated according to payroll data from County Business Patterns and data secured from the Iowa Employment Security Commission as follows:

For 1950 - 1952, wages were allocated according to payroll data from County Business Patterns for 1951.

For 1953, wages were allocated according to payroll data from County Business Patterns for 1953.

For 1954 and 1955, wages were allocated according to "Reported Wages Paid" secured from the Iowa Employment Security Commission.

For 1956 and 1957, wages were allocated according to payroll data from County Business Patterns for 1956.

For 1958 - 1960, wages were allocated according to payroll data from County Business Patterns for 1959.

For 1961 and 1962, wages were allocated according to payroll data from County Business Patterns for 1962.

Transportation: Wages and salaries paid in transportation were allocated according to the "Number Employed in Transportation" as reported in the U. S. Census of Population for 1950 and 1960. Wages paid in 1950 and 1960 were allocated directly from the census data for those years. For all other years, an average of the 1950 and 1960 census data was used.

Communications and public utilities: Wages and salaries paid in communications and public utilities were allocated according to the "Number Employed" as reported in the U. S. Census of Population for 1950 and 1960. Wages paid in 1950 and 1960 were allocated directly from the census data for those years. For all other years, an average of the 1950 and 1960 census data was used.



Services: The breakdown of services as reported by the Department of Commerce is as follows:

- a. Hotels and other lodging places.
- b. Personal services and private households.
- c. Business and repair services.
- d. Amusement and recreation.
- e. Professional, social and related services.

Items "a" through "d" were allocated according to payroll data from the Census of Selected Services. (1950 - 1951 were allocated according to the 1948 census; 1954 and 1958 were allocated directly from the censuses for those years; wages for all other years were allocated according to the average of 1954 and 1958 census data.) Item "e" was allocated separately as follows:

Wages and salaries paid by all the private colleges in Iowa were secured for each year. These wages were applied directly to the county in which each college was located. The balance of item "e" was allocated according to Census of Population data for "Number Employed" in private educational services and other professional and related services. Wages paid in 1950 and 1960 were allocated directly from the census data for those years. For all other years, an average of 1950 and 1960 data was used.

Government: Government wages and salaries were subdivided into the following three components: (a) federal civilian, (b) federal military, and (c) state and local. Allocations were made separately for each.

Federal civilian employment was allocated to the counties according to "Number Employed" as listed in the "Additional Report of the Joint Committee on Reduction of Non-essential Federal Expenditures" for 1950 and 1960. Wages paid in 1950 and 1960 were allocated directly for those years; for all other years, an average of 1950 and 1960 data was used.

Military employment was obtained for all installations in Iowa from the several military departments, and was allocated to the county in which the installation was located. Data were available for all years from 1953 - 1962, and were applied directly to the respective years. For years prior to 1953, the 1953 data were applied.

State and local wages and salaries for each county were accumulated for 1949, 1954, 1959 and 1962 from the following sources: (1) Municipal wages and salaries listed in Iowa Municipal Finances; (2) County wages and salaries listed in Iowa County Finances; (3) State wages and salaries listed in the State Salary Book, and (4) Wages and salaries paid by school districts obtained from the State Department of Public Instruction. The sum of data from the four

sources was expressed as a percentage of the state total. The percentages for 1949 were used for allocators for 1950 and 1951 state and local wages; 1954 was used for 1952 - 1956; 1959 was used for 1957 - 1960; and 1962 was used for 1961 and 1962.

Other industries: Wages and salaries paid in other industries were divided into the subcategories: (1) Agricultural Services and (2) Forestry and Fisheries according to the relative number of persons employed in the state in the two categories. (Number employed in Agricultural Services is listed in County Business Patterns, and number employed in Forestry and Fisheries is listed in the U. S. Census of Population.) These amounts were then allocated to counties according to the distribution of "Number Employed in Agriculture" and "Number Employed in Forestry and Fisheries", respectively, as reported in the U. S. Census of Population. For 1950 and 1960, allocations were made directly from the census; for all other years an average of the 1950 and 1960 data was used.

#### Other Labor Income

This category is composed of the following four minor categories:

1. Employer contributions to private pensions and welfare funds.
2. Compensation for injuries.
3. Pay of military reservists.
4. Other (comprised mainly of fees for directors, juries and justices of the peace).

Categories 1, 2 and 4 were allocated according to the total wages and salaries (see major category Wage and Salary Disbursements) received in each county. Category 3 was allocated on the basis of information received from the Army, Navy and Air Force on the strength of reserve units located in Iowa.

#### Proprietors' Income

Proprietors' income includes two major categories: (1) farm proprietors' income and (2) nonfarm proprietors' income. Each of these was further broken down into minor categories for which separate allocations were made.

Farm: Briefly, the approach to estimating farm proprietors' income involved estimating specific components of farm receipts (cash receipts from farm marketings, government payments, value of home consumption and gross value of farm dwellings) and farm production expenses (current farm operating expenses,

depreciation, taxes on farm property, interest on farm mortgage debt and net rent to nonfarm landlords). Combination of farm expenditures and receipts resulted in county estimates of realized net farm income, which was then adjusted for changes in inventories to obtain total net farm income for each county. These estimates were adjusted upward or downward to conform with the Department of Commerce state estimates of farm proprietors' income. Appendix A presents a detailed description of estimating procedures used.

Nonfarm: This major category is comprised of two minor categories: (1) professional services, and (2) business proprietors. Personal income from each of these categories was allocated separately.

Professional services: This category was allocated on the basis of data from the professional service directories for Iowa. The number of physicians, lawyers, dentists, psychiatrists, neurologists, veterinarians, optometrists, osteopaths and chiropractors was obtained from the respective directories and expressed as a percentage of the state total. These percentages were applied to the state estimates of personal income earned by each.

Business proprietors: This category is comprised of proprietors of businesses in the following nine categories:

- a. Agriculture services, forestry, and fisheries;
- b. Mining;
- c. Construction;
- d. Manufacturing;
- e. Wholesale and retail trade;
- f. Finance, insurance and real estate;
- g. Transportation;
- h. Communication and public utilities; and
- i. Services (excluding professional).

Each of these subcategories was allocated for 1949, 1954 and 1959, according to the same methodology that was used to allocate wages and salaries earned in these categories (see previous category, "Wage and Salary Disbursements," p. 2). The sum of the allocations for each county was expressed as a percentage of the state total which was used as the allocator for business proprietors. The 1949 allocators were used for 1950 and 1951; the 1954 allocators were used for 1952 through 1956; the 1959 allocators were used for 1957 through 1962.

## Property Income

This major category is composed of the following minor categories: (1) dividends, (2) interest and (3) rents. Each category was allocated separately for 1949, 1954 and 1959 as follows.

Dividends: Dividends were allocated according to the number of families in each county with over \$10,000 income per year as listed in the U. S. Census of Population. 1950 and 1960 census data were taken directly for 1949 and 1959; an average of 1950 and 1960 was used for 1954.

Interest: Interest was allocated according to the sum of commercial bank deposits--both time and demand (which were obtained from the Board of Governors of the Federal Reserve System, Washington, D. C.) and savings and loan deposits (as reported in the County-City Data Book--a yearly supplement to the Statistical Abstract).

Rent: Rental income of persons was further subdivided into the following components: (a) contract rent, (b) farm rent paid to nonfarm landlords and (c) imputed rent.

Contract rent paid in each county was allocated on the basis of data from the Census of Housing for 1950 and 1960. (An average of 1950 and 1960 was used for 1954; data for 1950 and 1960 were used directly for 1949 and 1959.)

Farm rent paid to nonfarm landlords was computed in estimating net farm income. The methodology is described in Appendix A of this report.

Imputed rental income was allocated on the basis of data on owner-occupied dwellings as listed in the Census of Housing for 1950 and 1960. (The 1950 and 1960 data were applied directly for 1949 and 1959; an average of 1950 and 1960 was used for 1954.)

The sum of the allocations for the three categories was expressed as a percentage of the state total for each county. These percentages were used for the allocators for property income. The 1949 allocators were used for 1950 and 1951; the 1954 allocators were used for 1952 - 1956; the 1959 allocators were used for 1957 - 1962.

## Transfer Payments

This major category is composed of three minor categories: (1) federal, (2) state and local and (3) business. Allocations were made separately for each of these categories for 1949, 1954 and 1959.

Federal: Federal transfer payments were allocated according to data secured from agencies of the Federal Government and according to data in the U. S. Census of Population for the nine subcategories as follows:

Old-age and survivors' insurance benefits. Allocated according to OASI payments by county obtained from the Bureau of Old Age and Survivors Insurance.

State and veterans' unemployment benefits. Allocated according to payments made under the Unemployment Compensation for Veterans Act and under the State Unemployment Compensation Program.

Railroad benefits. Allocated according to "Railroad Employment by County" as listed in the 1950 Census of Population.

Federal civilian pensions. Allocated according to "Federal Civilian Employment" as listed in the U. S. Census of Population.

Government life insurance benefits. Allocated according to population by county in the age group 15 to 24 as listed in the 1940 Census of Population.

Payments to nonprofit institutions. Allocated according to total wages and salaries paid for private educational services as allocated previously.

Military retirement. Allocated according to population by county for 1920 and 1930 as listed in the U. S. Census of Population.

Veterans' pensions and compensation. The same allocator was used as for government life insurance benefits.

Other. All other Federal Government transfer payments were allocated according to population by county as listed in the U. S. Census of Population.

State: State transfer payments were allocated to the three subcategories as follows:

Government pensions. Allocated according to total state and local government wages and salaries received in each county. The methods for allocating state and local wages and salaries are described under "Wage and Salary Disbursements," p. 2.

Direct relief. Allocated on the basis of data received from the State Department of Social Welfare for old-age assistance, aid to the blind, aid to dependent children and payments to Indians.

Other. Allocated according to payments made to or on behalf of dependent children by county as reported by the State Department of Social Welfare.

Business: Business transfer payments were allocated to counties on the basis of income of nonfarm proprietors as allocated under "Proprietors' Income," p. 6.

Federal transfer payments, state and local transfer payments and business transfer payments were expressed as a percentage of the state totals. These percentage allocators were then applied to the three components of Department of Commerce estimates of transfer payments. The 1949 allocators were used for 1950 and 1951; the 1954 allocators were used for 1952 - 1956; the 1959 allocators were used for 1957 - 1962. The allocated amounts for each of the three categories were then summed to arrive at transfer payments by county.

#### Personal Contributions to Social Insurance

Personal contributions to social insurance were allocated to counties according to the yearly estimates of total wages and salaries as allocated previously. The methodology for these allocations was described under "Wage and Salary Disbursements," p. 2.

#### Total Personal Income

Estimates of total county personal income for each year were obtained by adding wage and salary disbursements, other labor income, proprietors' income, property income and transfer payments, minus personal contributions for social insurance.

III. ESTIMATES OF POPULATION AND PERSONAL INCOME  
BY COUNTY IN IOWA

TABIE I

PERSONAL INCOME IN IOWA BY COUNTY: 1950-1962

| County      | Thousands of Dollars |         |         |         |         |         |         |         |         |         |         |         |         |
|-------------|----------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|             | 1950                 | 1951    | 1952    | 1953    | 1954    | 1955    | 1956    | 1957    | 1958    | 1959    | 1960    | 1961    | 1962    |
| Adair       | 17,141               | 16,392  | 15,672  | 14,565  | 17,112  | 13,185  | 13,345  | 17,656  | 18,226  | 15,851  | 17,107  | 19,376  | 19,997  |
| Adams       | 12,211               | 11,824  | 11,127  | 10,078  | 11,488  | 9,032   | 9,874   | 11,649  | 11,831  | 11,711  | 10,837  | 12,609  | 13,030  |
| Allamakee   | 17,937               | 19,093  | 18,171  | 18,300  | 20,761  | 17,966  | 18,898  | 24,544  | 24,759  | 23,356  | 23,759  | 25,930  | 26,604  |
| Appanoose   | 17,042               | 17,587  | 16,175  | 15,975  | 17,035  | 16,403  | 18,474  | 20,588  | 20,621  | 20,761  | 20,861  | 22,981  | 24,727  |
| Audubon     | 17,683               | 20,071  | 19,434  | 16,441  | 17,681  | 14,513  | 14,439  | 18,435  | 19,637  | 18,540  | 19,068  | 20,129  | 22,604  |
| Benton      | 29,381               | 30,885  | 32,673  | 29,286  | 35,463  | 28,780  | 32,029  | 42,454  | 43,426  | 41,175  | 40,210  | 42,358  | 43,691  |
| Black Hawk  | 162,845              | 184,015 | 196,939 | 203,203 | 209,574 | 221,224 | 231,528 | 251,534 | 259,470 | 282,840 | 290,846 | 296,711 | 308,319 |
| Boone       | 32,466               | 33,395  | 35,207  | 31,354  | 36,316  | 33,607  | 35,401  | 40,033  | 42,255  | 42,560  | 43,421  | 45,382  | 46,828  |
| Bremer      | 26,252               | 29,211  | 29,677  | 29,763  | 33,132  | 29,636  | 32,606  | 36,396  | 37,285  | 35,775  | 30,088  | 39,446  | 40,469  |
| Buchanan    | 23,402               | 23,369  | 26,108  | 24,753  | 29,585  | 25,065  | 27,436  | 32,634  | 32,846  | 30,792  | 32,001  | 33,730  | 34,234  |
| Buena Vista | 31,933               | 34,912  | 36,400  | 32,597  | 39,369  | 33,504  | 29,938  | 38,435  | 40,346  | 40,208  | 42,806  | 45,990  | 47,246  |
| Butler      | 20,435               | 21,194  | 20,571  | 18,850  | 23,096  | 18,086  | 19,810  | 25,752  | 25,724  | 24,297  | 25,495  | 27,052  | 27,782  |
| Calhoun     | 23,225               | 23,425  | 25,676  | 20,262  | 22,065  | 17,021  | 17,493  | 23,236  | 23,198  | 20,606  | 26,223  | 28,494  | 28,367  |
| Carroll     | 29,490               | 30,106  | 32,954  | 29,828  | 35,235  | 31,736  | 31,457  | 38,121  | 40,233  | 39,133  | 41,921  | 46,001  | 49,341  |
| Cass        | 27,592               | 30,007  | 29,859  | 27,681  | 29,382  | 28,158  | 29,538  | 34,263  | 34,693  | 34,678  | 35,567  | 37,570  | 39,515  |
| Cedar       | 27,753               | 30,003  | 30,554  | 27,815  | 34,061  | 26,473  | 28,951  | 38,112  | 38,354  | 33,221  | 32,869  | 33,184  | 34,070  |
| Cerro Gordo | 68,730               | 74,049  | 77,889  | 75,601  | 85,391  | 82,059  | 88,935  | 95,765  | 98,278  | 103,536 | 108,876 | 112,725 | 116,470 |
| Cherokee    | 31,120               | 33,175  | 31,744  | 27,866  | 32,740  | 27,632  | 26,042  | 30,498  | 35,165  | 36,302  | 36,844  | 30,215  | 41,147  |
| Chickasaw   | 16,321               | 16,226  | 16,929  | 16,015  | 19,837  | 16,526  | 18,918  | 21,868  | 21,360  | 19,390  | 20,893  | 22,861  | 23,120  |
| Clarke      | 9,601                | 9,274   | 8,186   | 7,522   | 8,345   | 7,719   | 8,526   | 11,465  | 11,086  | 11,085  | 10,582  | 11,941  | 12,797  |
| Clay        | 29,395               | 30,063  | 31,221  | 27,906  | 33,991  | 29,832  | 30,949  | 34,873  | 35,167  | 36,420  | 37,812  | 41,083  | 43,750  |
| Clayton     | 27,681               | 28,661  | 26,929  | 26,779  | 30,077  | 24,881  | 27,342  | 34,166  | 34,190  | 30,818  | 31,513  | 33,859  | 35,106  |
| Clinton     | 79,310               | 87,550  | 89,619  | 88,783  | 91,556  | 88,336  | 100,037 | 107,346 | 108,925 | 112,404 | 111,923 | 113,424 | 118,420 |
| Crawford    | 32,043               | 34,917  | 33,342  | 27,857  | 29,990  | 25,674  | 23,322  | 28,718  | 31,022  | 32,321  | 30,788  | 34,166  | 35,819  |
| Dallas      | 31,210               | 33,409  | 33,339  | 30,061  | 34,159  | 31,689  | 31,055  | 37,740  | 36,647  | 39,478  | 42,222  | 43,184  | 43,758  |
| Davis       | 9,082                | 9,506   | 9,208   | 8,501   | 10,200  | 8,814   | 9,594   | 11,700  | 11,356  | 11,113  | 10,359  | 12,119  | 12,838  |
| Decatur     | 11,352               | 11,361  | 10,495  | 9,864   | 11,063  | 10,166  | 10,820  | 13,178  | 13,406  | 11,368  | 12,320  | 13,714  | 15,147  |
| Delaware    | 25,009               | 26,811  | 24,751  | 24,624  | 28,887  | 22,650  | 25,419  | 33,237  | 34,058  | 29,843  | 29,855  | 32,885  | 33,417  |
| Des Moines  | 65,858               | 71,136  | 90,738  | 93,384  | 83,000  | 80,316  | 84,049  | 93,619  | 96,435  | 103,272 | 104,792 | 108,703 | 113,864 |
| Dickinson   | 14,584               | 14,463  | 14,775  | 13,879  | 16,279  | 13,854  | 15,034  | 19,271  | 19,054  | 16,879  | 19,503  | 20,980  | 22,570  |
| Dubuque     | 110,427              | 122,908 | 127,583 | 132,018 | 139,038 | 140,018 | 147,648 | 165,479 | 170,903 | 182,971 | 186,429 | 192,786 | 200,570 |
| Emmet       | 19,271               | 19,694  | 21,208  | 18,760  | 22,461  | 19,532  | 21,456  | 26,016  | 25,350  | 24,939  | 27,435  | 29,197  | 30,662  |
| Fayette     | 33,894               | 35,820  | 36,259  | 36,733  | 40,620  | 35,415  | 38,370  | 46,955  | 47,033  | 44,996  | 47,356  | 50,298  | 50,940  |



TABLE I (Continued)

Iowa

| County    | Thousands of Dollars |         |         |         |         |         |         |         |         |         |         |         |         |
|-----------|----------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|           | 1950                 | 1951    | 1952    | 1953    | 1954    | 1955    | 1956    | 1957    | 1958    | 1959    | 1960    | 1961    | 1962    |
| Floyd     | 30,022               | 32,169  | 36,338  | 31,422  | 34,402  | 37,327  | 34,086  | 39,405  | 39,642  | 40,575  | 39,844  | 40,866  | 41,733  |
| Franklin  | 23,623               | 22,721  | 23,535  | 21,447  | 20,349  | 20,349  | 22,699  | 28,576  | 26,912  | 25,612  | 27,519  | 29,810  | 29,619  |
| Fremont   | 15,717               | 15,552  | 17,770  | 13,930  | 13,061  | 11,785  | 12,998  | 16,505  | 16,006  | 16,020  | 14,443  | 15,710  | 16,363  |
| Greene    | 21,831               | 21,402  | 23,098  | 17,585  | 21,653  | 16,974  | 18,909  | 23,723  | 22,583  | 21,384  | 24,643  | 25,944  | 26,938  |
| Grundy    | 19,228               | 20,573  | 21,473  | 19,174  | 23,321  | 18,262  | 21,825  | 27,076  | 24,864  | 23,912  | 24,336  | 25,809  | 26,656  |
| Guthrie   | 16,124               | 16,685  | 16,322  | 14,085  | 16,839  | 13,998  | 14,833  | 18,260  | 17,943  | 16,810  | 17,747  | 20,219  | 20,705  |
| Hamilton  | 28,303               | 27,982  | 29,965  | 29,281  | 33,738  | 29,612  | 31,151  | 36,819  | 37,211  | 38,926  | 41,474  | 40,998  | 41,337  |
| Hancock   | 20,419               | 20,016  | 21,639  | 18,302  | 23,176  | 17,713  | 20,515  | 24,933  | 23,309  | 22,255  | 24,110  | 26,334  | 26,793  |
| Hardin    | 28,818               | 31,162  | 33,708  | 31,061  | 36,118  | 31,969  | 35,316  | 42,312  | 42,985  | 42,681  | 42,602  | 44,750  | 46,988  |
| Harrison  | 24,115               | 23,991  | 25,992  | 20,834  | 22,982  | 19,389  | 21,693  | 25,544  | 26,207  | 25,274  | 25,196  | 26,992  | 29,526  |
| Henry     | 19,875               | 20,929  | 21,879  | 20,918  | 24,066  | 22,235  | 24,219  | 29,352  | 29,148  | 29,860  | 30,071  | 31,946  | 33,239  |
| Howard    | 14,332               | 14,664  | 14,286  | 13,180  | 15,681  | 12,938  | 14,805  | 18,811  | 18,400  | 17,248  | 17,448  | 18,915  | 19,162  |
| Humboldt  | 18,984               | 18,467  | 20,334  | 17,187  | 21,229  | 16,832  | 17,061  | 22,713  | 22,208  | 21,454  | 22,573  | 23,344  | 24,250  |
| Ida       | 22,434               | 23,637  | 22,088  | 18,092  | 20,521  | 16,933  | 16,097  | 16,632  | 21,187  | 20,626  | 20,426  | 23,586  | 26,245  |
| Iowa      | 23,370               | 23,676  | 24,828  | 23,327  | 27,515  | 24,310  | 26,826  | 32,040  | 33,192  | 31,326  | 31,056  | 35,228  | 36,174  |
| Jackson   | 22,558               | 24,513  | 26,752  | 25,411  | 28,646  | 28,343  | 30,736  | 37,050  | 37,095  | 35,668  | 35,632  | 38,108  | 40,616  |
| Jasper    | 52,775               | 57,945  | 60,130  | 60,018  | 64,537  | 62,097  | 68,360  | 72,953  | 74,105  | 78,063  | 79,943  | 81,245  | 81,419  |
| Jefferson | 19,009               | 20,266  | 20,422  | 20,291  | 22,177  | 21,190  | 23,610  | 26,128  | 26,544  | 27,508  | 27,868  | 29,948  | 31,543  |
| Johnson   | 59,196               | 64,646  | 70,562  | 69,966  | 77,504  | 76,057  | 82,330  | 88,582  | 92,392  | 93,451  | 101,756 | 103,445 | 108,271 |
| Jones     | 28,369               | 30,932  | 30,270  | 27,496  | 31,478  | 27,458  | 29,271  | 38,147  | 36,853  | 34,105  | 34,343  | 34,645  | 36,084  |
| Keokuk    | 20,044               | 18,826  | 19,063  | 18,469  | 22,112  | 18,423  | 20,283  | 25,411  | 24,979  | 23,305  | 23,051  | 25,037  | 25,849  |
| Kossuth   | 34,844               | 33,629  | 36,680  | 30,471  | 37,388  | 30,848  | 35,621  | 42,655  | 40,718  | 38,864  | 43,615  | 46,772  | 47,313  |
| Lee       | 60,966               | 67,118  | 69,396  | 71,847  | 73,202  | 73,302  | 79,303  | 75,530  | 77,537  | 83,920  | 84,017  | 88,305  | 93,183  |
| Linn      | 184,586              | 204,418 | 225,327 | 225,666 | 240,447 | 253,638 | 282,642 | 294,136 | 304,261 | 331,900 | 341,075 | 351,871 | 365,736 |
| Louisa    | 15,697               | 15,867  | 15,640  | 13,851  | 16,799  | 13,654  | 15,181  | 18,020  | 18,131  | 16,549  | 16,477  | 17,610  | 17,616  |
| Lucas     | 12,783               | 13,159  | 12,910  | 12,655  | 13,178  | 12,322  | 14,308  | 16,973  | 17,155  | 17,560  | 17,985  | 20,062  | 20,505  |
| Lyon      | 22,888               | 23,496  | 22,894  | 20,440  | 25,088  | 19,639  | 19,379  | 24,533  | 24,589  | 22,051  | 24,381  | 26,322  | 28,407  |
| Madison   | 15,892               | 15,809  | 14,814  | 13,516  | 16,122  | 13,356  | 13,951  | 17,938  | 17,977  | 17,338  | 17,893  | 18,847  | 20,285  |
| Mahaska   | 32,725               | 33,132  | 32,328  | 31,207  | 35,547  | 31,427  | 34,147  | 40,546  | 41,307  | 39,757  | 41,054  | 43,225  | 45,507  |
| Marion    | 32,032               | 33,916  | 32,577  | 34,094  | 37,066  | 36,484  | 38,266  | 43,855  | 45,911  | 45,814  | 45,957  | 48,241  | 52,505  |
| Marshall  | 53,537               | 58,608  | 61,733  | 60,914  | 65,997  | 63,572  | 67,065  | 79,368  | 80,093  | 83,320  | 85,749  | 86,739  | 91,033  |
| Mills     | 18,217               | 20,308  | 19,054  | 16,177  | 17,315  | 16,121  | 16,852  | 19,945  | 19,089  | 19,537  | 20,066  | 22,526  | 24,281  |
| Mitchell  | 18,643               | 19,789  | 20,637  | 18,204  | 21,801  | 18,076  | 19,569  | 25,652  | 23,855  | 23,174  | 24,844  | 26,337  | 27,155  |
| Monona    | 21,537               | 19,451  | 20,144  | 17,978  | 20,346  | 15,964  | 16,826  | 20,796  | 20,793  | 20,511  | 20,789  | 21,954  | 22,322  |

TABLE I (Concluded)

Iowa

| County        | Thousands of Dollars |         |         |         |         |         |         |         |         |         |         |         |         |
|---------------|----------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|               | 1950                 | 1951    | 1952    | 1953    | 1954    | 1955    | 1956    | 1957    | 1958    | 1959    | 1960    | 1961    | 1962    |
| Monroe        | 10,854               | 10,367  | 10,106  | 10,666  | 10,605  | 9,783   | 10,781  | 12,246  | 11,809  | 11,798  | 11,268  | 12,615  | 13,461  |
| Montgomery    | 22,864               | 24,136  | 25,172  | 22,885  | 24,529  | 21,480  | 22,638  | 25,169  | 26,011  | 25,779  | 27,170  | 29,138  | 30,193  |
| Muscatine     | 42,530               | 46,188  | 46,216  | 44,959  | 49,371  | 48,212  | 49,417  | 55,400  | 57,014  | 58,567  | 59,737  | 62,356  | 64,621  |
| O'Brien       | 28,088               | 28,492  | 28,996  | 25,362  | 32,123  | 26,442  | 26,560  | 30,709  | 31,426  | 32,015  | 33,273  | 35,184  | 37,700  |
| Osceola       | 15,213               | 14,731  | 15,211  | 12,259  | 16,484  | 13,102  | 14,291  | 16,199  | 16,130  | 15,694  | 16,931  | 18,355  | 19,550  |
| Page          | 37,511               | 41,315  | 38,617  | 36,162  | 37,635  | 34,361  | 36,723  | 40,153  | 41,798  | 42,053  | 41,841  | 42,574  | 44,761  |
| Palo Alto     | 20,263               | 19,849  | 21,912  | 17,758  | 23,380  | 18,029  | 19,790  | 22,890  | 22,177  | 22,690  | 23,803  | 26,570  | 26,688  |
| Plymouth      | 42,016               | 46,721  | 44,560  | 36,751  | 43,373  | 34,064  | 32,684  | 36,218  | 46,433  | 45,723  | 44,199  | 50,010  | 55,929  |
| Pocahontas    | 21,151               | 21,546  | 23,497  | 19,568  | 24,529  | 18,721  | 18,758  | 23,647  | 23,702  | 23,113  | 24,869  | 28,681  | 29,401  |
| Polk          | 406,144              | 444,783 | 491,546 | 516,780 | 531,787 | 574,366 | 631,431 | 652,881 | 681,975 | 753,094 | 791,051 | 796,123 | 829,121 |
| Pottawattamie | 99,740               | 113,768 | 114,109 | 101,786 | 108,860 | 107,033 | 113,517 | 130,510 | 135,631 | 145,769 | 146,742 | 146,992 | 156,588 |
| Poweshiek     | 26,469               | 26,785  | 26,570  | 25,588  | 29,790  | 25,890  | 28,096  | 35,114  | 34,912  | 32,698  | 33,032  | 36,556  | 38,220  |
| Ringgold      | 10,165               | 8,780   | 7,866   | 7,313   | 8,554   | 7,263   | 8,453   | 10,428  | 10,197  | 9,154   | 8,861   | 9,899   | 11,140  |
| Sac           | 27,964               | 29,225  | 30,485  | 25,899  | 30,495  | 25,288  | 24,739  | 26,181  | 30,518  | 30,375  | 33,426  | 37,678  | 39,375  |
| Scott         | 159,489              | 176,012 | 196,496 | 206,019 | 208,452 | 216,723 | 235,567 | 245,410 | 253,796 | 276,447 | 287,716 | 290,632 | 302,742 |
| Shelby        | 27,830               | 30,144  | 31,727  | 26,257  | 28,133  | 23,185  | 24,919  | 28,881  | 30,967  | 31,329  | 30,755  | 32,368  | 35,785  |
| Sioux         | 43,631               | 47,183  | 44,257  | 37,991  | 46,681  | 36,688  | 37,074  | 42,570  | 47,928  | 44,202  | 44,978  | 49,086  | 55,032  |
| Story         | 55,678               | 58,464  | 63,222  | 60,875  | 67,105  | 66,628  | 71,154  | 80,147  | 84,540  | 88,360  | 92,864  | 99,055  | 103,689 |
| Tama          | 28,710               | 29,314  | 30,846  | 27,562  | 32,660  | 27,678  | 30,214  | 38,523  | 38,333  | 37,180  | 36,146  | 38,993  | 40,637  |
| Taylor        | 15,192               | 14,348  | 13,487  | 12,372  | 13,294  | 11,459  | 13,337  | 14,744  | 14,801  | 13,624  | 13,074  | 15,079  | 16,200  |
| Union         | 17,689               | 17,566  | 16,689  | 15,891  | 17,260  | 15,917  | 17,070  | 19,952  | 20,257  | 20,823  | 21,030  | 23,211  | 24,155  |
| Van Buren     | 9,778                | 9,761   | 9,848   | 9,303   | 10,771  | 9,104   | 10,408  | 12,734  | 12,450  | 12,296  | 11,930  | 13,538  | 14,648  |
| Wapello       | 64,746               | 71,252  | 77,763  | 77,298  | 76,254  | 80,368  | 85,579  | 90,555  | 92,634  | 100,578 | 101,277 | 106,971 | 110,566 |
| Warren        | 17,740               | 17,829  | 18,771  | 17,312  | 20,352  | 17,873  | 19,852  | 25,366  | 25,286  | 24,946  | 26,125  | 28,382  | 29,567  |
| Washington    | 29,253               | 29,273  | 27,943  | 27,357  | 32,456  | 27,063  | 29,010  | 35,523  | 36,124  | 34,379  | 35,787  | 37,467  | 38,397  |
| Wayne         | 10,806               | 10,465  | 9,769   | 9,321   | 10,631  | 9,011   | 10,451  | 13,261  | 12,588  | 12,017  | 11,835  | 13,718  | 14,889  |
| Webster       | 61,107               | 65,179  | 69,317  | 67,102  | 74,655  | 73,300  | 76,768  | 88,527  | 88,477  | 94,721  | 99,817  | 104,006 | 107,738 |
| Winnebago     | 16,628               | 16,909  | 17,908  | 15,877  | 19,083  | 15,605  | 17,834  | 20,499  | 19,881  | 18,270  | 18,887  | 21,176  | 21,277  |
| Winneshek     | 27,324               | 29,666  | 29,214  | 29,411  | 32,397  | 27,776  | 30,775  | 36,904  | 37,195  | 35,806  | 36,550  | 38,293  | 38,206  |
| Woodbury      | 183,068              | 207,327 | 221,340 | 215,674 | 227,107 | 227,442 | 242,971 | 214,432 | 245,012 | 261,366 | 263,648 | 277,256 | 291,062 |
| Worth         | 12,210               | 13,103  | 13,608  | 13,056  | 15,845  | 13,177  | 14,492  | 33,222  | 15,120  | 14,706  | 15,261  | 17,713  | 17,694  |
| Wright        | 27,038               | 27,665  | 27,913  | 24,055  | 30,914  | 26,071  | 27,904  | 33,482  | 32,480  | 33,440  | 35,348  | 36,504  | 37,002  |

TABLE II

POPULATION IN IOWA BY COUNTY: 1950-1962

| County      | 1950    | 1951    | 1952    | 1953    | 1954    | 1955    | 1956    | 1957    | 1958    | 1959    | 1960    | 1961    | 1962    |
|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Adair       | 13,018  | 13,032  | 13,105  | 13,068  | 12,703  | 12,885  | 12,697  | 12,786  | 12,066  | 11,405  | 10,844  | 10,666  | 10,465  |
| Adams       | 8,767   | 8,721   | 8,728   | 8,696   | 8,557   | 8,483   | 8,052   | 8,055   | 7,843   | 7,889   | 7,419   | 7,244   | 7,071   |
| Allamakee   | 16,367  | 15,821  | 15,625  | 15,469  | 15,248  | 15,529  | 15,590  | 15,452  | 15,567  | 15,754  | 15,943  | 15,834  | 15,711  |
| Appanoose   | 19,478  | 19,516  | 18,178  | 18,009  | 17,724  | 17,704  | 17,542  | 16,980  | 16,144  | 16,006  | 15,905  | 15,522  | 15,159  |
| Audubon     | 11,507  | 11,318  | 11,337  | 11,281  | 11,034  | 11,261  | 11,146  | 10,978  | 10,776  | 10,789  | 10,940  | 11,008  | 11,051  |
| Benton      | 22,650  | 21,638  | 21,662  | 21,644  | 21,786  | 22,206  | 22,603  | 22,917  | 22,932  | 23,133  | 23,399  | 23,544  | 23,263  |
| Black Hawk  | 101,980 | 105,078 | 105,717 | 105,878 | 106,155 | 108,474 | 113,892 | 114,540 | 115,606 | 118,405 | 122,897 | 124,724 | 126,413 |
| Boone       | 27,873  | 28,049  | 28,095  | 27,897  | 27,922  | 28,891  | 28,879  | 28,860  | 28,477  | 27,931  | 27,964  | 27,762  | 27,542  |
| Bremer      | 18,892  | 18,766  | 18,823  | 19,431  | 19,281  | 19,220  | 18,987  | 19,660  | 20,288  | 21,057  | 21,143  | 21,303  | 21,466  |
| Buchanan    | 21,730  | 21,377  | 21,151  | 21,039  | 21,527  | 22,374  | 22,521  | 22,491  | 22,639  | 22,172  | 22,274  | 22,235  | 22,181  |
| Buena Vista | 21,273  | 21,263  | 21,380  | 21,530  | 21,575  | 22,239  | 22,385  | 22,365  | 21,718  | 21,229  | 21,143  | 21,001  | 20,840  |
| Butler      | 17,252  | 17,265  | 17,169  | 17,078  | 16,789  | 17,506  | 17,426  | 17,362  | 17,260  | 17,317  | 17,431  | 17,355  | 17,237  |
| Calhoun     | 16,937  | 16,461  | 16,050  | 16,407  | 16,084  | 16,449  | 16,012  | 16,058  | 16,069  | 16,189  | 15,869  | 15,667  | 15,461  |
| Carroll     | 25,114  | 23,255  | 23,735  | 23,846  | 24,189  | 25,611  | 25,572  | 25,489  | 24,726  | 23,802  | 23,395  | 23,298  | 23,174  |
| Cass        | 18,625  | 17,904  | 17,807  | 17,879  | 17,408  | 17,685  | 17,848  | 17,851  | 17,524  | 17,661  | 17,876  | 17,748  | 17,607  |
| Cedar       | 16,931  | 16,672  | 16,042  | 15,997  | 15,916  | 16,422  | 16,854  | 17,298  | 17,420  | 17,661  | 17,778  | 17,764  | 17,745  |
| Cerro Gordo | 45,886  | 46,199  | 46,791  | 46,646  | 46,436  | 46,614  | 48,519  | 49,620  | 49,841  | 49,677  | 49,893  | 49,983  | 49,996  |
| Cherokee    | 19,091  | 19,000  | 18,999  | 18,547  | 18,443  | 18,506  | 18,440  | 18,390  | 18,186  | 18,475  | 18,562  | 18,432  | 18,286  |
| Chickasaw   | 15,111  | 14,688  | 14,663  | 14,724  | 14,601  | 15,126  | 15,033  | 14,970  | 14,740  | 14,641  | 15,013  | 14,933  | 14,821  |
| Clarke      | 9,187   | 8,879   | 8,747   | 8,117   | 7,889   | 7,727   | 7,666   | 7,704   | 7,725   | 8,112   | 8,179   | 8,024   | 7,876   |
| Clay        | 18,321  | 18,267  | 18,382  | 17,788  | 17,912  | 17,976  | 18,316  | 18,699  | 18,566  | 18,321  | 18,471  | 18,371  | 18,260  |
| Clayton     | 22,687  | 22,176  | 21,858  | 20,548  | 20,596  | 20,935  | 21,428  | 21,696  | 21,801  | 21,859  | 21,907  | 21,746  | 21,582  |
| Clinton     | 49,687  | 49,564  | 49,670  | 49,792  | 49,605  | 50,955  | 52,957  | 53,321  | 53,724  | 54,290  | 55,116  | 55,393  | 55,615  |
| Crawford    | 19,657  | 19,530  | 19,476  | 19,464  | 18,968  | 19,285  | 19,350  | 19,391  | 19,174  | 18,590  | 18,510  | 18,304  | 18,114  |
| Dallas      | 23,459  | 23,445  | 23,582  | 23,239  | 23,227  | 23,769  | 24,393  | 24,054  | 23,794  | 23,894  | 24,102  | 24,006  | 23,872  |
| Davis       | 9,864   | 9,833   | 9,695   | 9,590   | 9,322   | 9,442   | 9,648   | 9,656   | 9,461   | 9,352   | 9,163   | 9,055   | 8,953   |
| Decatur     | 12,733  | 12,349  | 12,016  | 11,777  | 11,526  | 11,463  | 11,515  | 11,365  | 11,057  | 10,711  | 10,472  | 10,225  | 9,967   |
| Delaware    | 16,950  | 15,479  | 15,439  | 15,411  | 15,705  | 16,656  | 17,400  | 17,819  | 18,092  | 18,397  | 18,471  | 18,462  | 18,456  |
| Des Moines  | 41,918  | 41,250  | 41,514  | 42,160  | 43,083  | 43,913  | 43,711  | 43,547  | 43,248  | 43,995  | 44,593  | 44,669  | 44,707  |
| Dickinson   | 12,685  | 12,670  | 12,858  | 12,936  | 12,479  | 12,219  | 12,358  | 12,498  | 12,540  | 12,435  | 12,546  | 12,436  | 12,313  |
| Dubuque     | 71,853  | 72,371  | 73,515  | 74,211  | 74,058  | 75,903  | 75,971  | 76,107  | 77,069  | 78,462  | 80,204  | 80,891  | 81,498  |
| Emmet       | 14,212  | 14,677  | 14,690  | 14,552  | 14,283  | 14,012  | 13,967  | 14,704  | 14,494  | 14,454  | 14,862  | 14,817  | 14,735  |
| Fayette     | 28,185  | 28,328  | 28,629  | 28,345  | 28,213  | 28,397  | 28,465  | 28,558  | 28,233  | 28,181  | 28,531  | 28,419  | 28,302  |
| Floyd       | 21,621  | 21,529  | 21,756  | 21,535  | 21,471  | 21,647  | 21,923  | 21,590  | 21,034  | 21,089  | 21,054  | 20,911  | 20,737  |
| Franklin    | 16,460  | 16,380  | 16,107  | 15,850  | 15,865  | 15,942  | 16,154  | 16,313  | 16,257  | 15,892  | 15,417  | 15,252  | 15,088  |

TABLE II (Continued)

| County     | 1950    | 1951    | 1952    | 1953    | 1954    | 1955    | 1956    | 1957    | 1958    | 1959    | 1960    | 1961    | 1962    |
|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Fremont    | 12,299  | 11,327  | 10,621  | 10,593  | 10,639  | 10,805  | 10,947  | 10,624  | 10,273  | 10,247  | 10,217  | 10,000  | 9,798   |
| Greene     | 15,478  | 15,432  | 15,480  | 15,188  | 14,902  | 15,256  | 14,863  | 14,899  | 14,728  | 14,658  | 14,337  | 14,184  | 14,009  |
| Grundy     | 14,044  | 13,945  | 13,715  | 13,874  | 13,872  | 13,743  | 13,719  | 13,676  | 13,572  | 13,965  | 14,124  | 14,086  | 14,017  |
| Guthrie    | 15,005  | 14,603  | 14,151  | 13,697  | 13,129  | 12,839  | 12,668  | 12,601  | 13,038  | 13,567  | 13,557  | 13,376  | 13,170  |
| Hamilton   | 19,534  | 19,379  | 19,020  | 18,596  | 18,715  | 18,990  | 19,725  | 19,828  | 19,756  | 19,875  | 20,001  | 19,922  | 19,820  |
| Hancock    | 14,910  | 14,315  | 14,003  | 13,526  | 13,270  | 13,380  | 13,595  | 13,697  | 13,724  | 14,680  | 14,564  | 14,417  | 14,252  |
| Hardin     | 22,185  | 22,703  | 22,610  | 22,546  | 22,511  | 22,740  | 22,846  | 22,142  | 22,238  | 22,486  | 22,492  | 22,357  | 22,211  |
| Harrison   | 19,534  | 19,451  | 19,413  | 19,428  | 19,175  | 18,789  | 18,348  | 17,880  | 17,465  | 17,442  | 17,529  | 17,277  | 17,010  |
| Henry      | 18,617  | 18,575  | 19,063  | 19,021  | 19,107  | 19,268  | 19,361  | 19,070  | 18,790  | 18,981  | 18,141  | 17,950  | 17,745  |
| Howard     | 13,012  | 12,856  | 13,016  | 12,998  | 12,798  | 12,777  | 12,899  | 12,859  | 12,755  | 12,646  | 12,706  | 12,604  | 12,499  |
| Humboldt   | 13,073  | 12,862  | 12,970  | 13,126  | 13,181  | 13,323  | 13,496  | 13,581  | 13,592  | 13,106  | 13,141  | 13,053  | 12,932  |
| Ida        | 10,716  | 10,766  | 10,692  | 10,405  | 10,417  | 10,644  | 10,495  | 10,330  | 10,283  | 10,262  | 10,234  | 10,108  | 9,977   |
| Iowa       | 15,717  | 15,556  | 15,490  | 15,243  | 15,060  | 15,301  | 15,182  | 16,344  | 16,577  | 16,738  | 16,384  | 16,342  | 16,289  |
| Jackson    | 18,462  | 18,568  | 18,785  | 18,917  | 19,257  | 19,804  | 19,990  | 20,142  | 20,164  | 20,815  | 20,781  | 20,917  | 21,041  |
| Jasper     | 32,525  | 32,590  | 33,051  | 33,363  | 33,936  | 35,147  | 34,936  | 35,734  | 35,564  | 34,953  | 35,290  | 35,349  | 35,351  |
| Jefferson  | 15,608  | 15,641  | 15,948  | 15,733  | 15,577  | 17,525  | 17,499  | 17,381  | 16,028  | 15,841  | 15,801  | 15,753  | 15,691  |
| Johnson    | 45,888  | 48,287  | 49,514  | 50,880  | 51,489  | 52,723  | 52,575  | 52,147  | 52,179  | 52,209  | 53,841  | 54,539  | 55,108  |
| Jones      | 19,472  | 19,359  | 19,129  | 18,969  | 19,273  | 20,400  | 20,232  | 20,083  | 20,065  | 20,300  | 20,683  | 20,692  | 20,684  |
| Keokuk     | 16,629  | 15,985  | 15,845  | 15,721  | 15,411  | 15,307  | 15,174  | 15,081  | 14,500  | 14,282  | 15,428  | 15,213  | 14,991  |
| Kossuth    | 26,108  | 25,719  | 26,145  | 26,190  | 25,725  | 25,991  | 25,641  | 25,548  | 25,395  | 25,277  | 25,266  | 25,085  | 24,876  |
| Lee        | 43,990  | 43,993  | 44,263  | 43,917  | 43,950  | 44,629  | 45,108  | 45,052  | 44,670  | 44,184  | 44,155  | 44,001  | 43,837  |
| Linn       | 104,473 | 103,978 | 103,469 | 102,269 | 104,707 | 111,649 | 117,722 | 124,379 | 126,596 | 132,326 | 137,670 | 140,962 | 144,168 |
| Louisa     | 10,983  | 10,502  | 10,291  | 10,164  | 9,974   | 9,783   | 9,447   | 9,255   | 9,028   | 9,597   | 10,252  | 10,116  | 9,988   |
| Lucas      | 12,118  | 11,855  | 11,637  | 11,475  | 11,187  | 11,129  | 10,704  | 10,507  | 10,776  | 10,744  | 10,882  | 10,723  | 10,565  |
| Lyon       | 14,647  | 14,675  | 14,553  | 14,689  | 14,611  | 15,047  | 14,926  | 14,813  | 14,660  | 14,469  | 14,449  | 14,356  | 14,222  |
| Madiison   | 13,069  | 12,699  | 12,407  | 11,540  | 11,310  | 11,373  | 11,574  | 11,588  | 11,586  | 12,100  | 12,258  | 12,111  | 11,951  |
| Mahaska    | 24,686  | 25,052  | 24,967  | 24,772  | 24,859  | 25,166  | 25,006  | 24,773  | 24,331  | 23,689  | 23,536  | 23,296  | 23,054  |
| Marion     | 26,327  | 25,714  | 25,890  | 26,044  | 25,869  | 25,627  | 25,192  | 24,862  | 25,221  | 25,803  | 25,839  | 25,676  | 25,521  |
| Marshall   | 35,659  | 35,088  | 34,813  | 35,029  | 34,835  | 35,374  | 35,077  | 36,575  | 36,675  | 37,042  | 37,985  | 36,005  | 37,979  |
| Mills      | 14,152  | 13,897  | 13,864  | 13,792  | 13,525  | 13,316  | 13,120  | 12,972  | 12,887  | 12,959  | 13,009  | 12,867  | 12,711  |
| Mitchell   | 13,994  | 14,296  | 14,364  | 14,218  | 14,220  | 14,445  | 15,035  | 14,801  | 14,601  | 14,183  | 14,010  | 13,927  | 13,838  |
| Monona     | 16,133  | 15,722  | 15,442  | 15,230  | 14,927  | 14,650  | 14,403  | 14,096  | 13,759  | 13,798  | 13,844  | 13,580  | 13,291  |
| Monroe     | 11,867  | 11,556  | 11,505  | 11,494  | 11,401  | 11,393  | 11,322  | 11,093  | 10,720  | 10,250  | 10,411  | 10,243  | 10,068  |
| Montgomery | 15,658  | 15,724  | 15,416  | 15,344  | 15,057  | 14,823  | 14,849  | 14,705  | 14,703  | 14,230  | 14,415  | 14,205  | 13,958  |
| Muscataine | 32,179  | 32,428  | 32,575  | 33,188  | 33,629  | 34,463  | 34,246  | 34,169  | 33,707  | 33,501  | 33,646  | 33,896  | 33,908  |
| O'Brien    | 18,833  | 18,715  | 18,909  | 18,911  | 18,958  | 19,344  | 19,192  | 19,057  | 18,973  | 18,782  | 18,814  | 18,692  | 18,531  |

TABLE II (Concluded)

Iowa

| County        | 1950    | 1951    | 1952    | 1953    | 1954    | 1955    | 1956    | 1957    | 1958    | 1959    | 1960    | 1961    | 1962    |
|---------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Osceola       | 10,197  | 10,004  | 10,057  | 9,981   | 9,781   | 9,916   | 10,167  | 10,245  | 10,220  | 10,118  | 10,035  | 9,948   | 9,864   |
| Page          | 23,869  | 23,015  | 22,552  | 22,121  | 22,022  | 21,565  | 21,332  | 21,130  | 20,893  | 20,850  | 20,928  | 20,575  | 20,191  |
| Palo Alto     | 15,752  | 15,439  | 15,366  | 15,223  | 15,114  | 15,247  | 15,319  | 15,103  | 14,782  | 14,829  | 14,698  | 14,520  | 14,295  |
| Plymouth      | 23,337  | 23,017  | 23,207  | 23,757  | 23,670  | 24,203  | 23,940  | 23,677  | 23,316  | 23,393  | 23,884  | 23,847  | 23,773  |
| Pocahontas    | 15,519  | 14,834  | 14,553  | 14,435  | 14,349  | 14,371  | 14,380  | 14,368  | 14,191  | 14,189  | 14,185  | 13,982  | 13,743  |
| Polk          | 227,877 | 231,435 | 236,455 | 246,911 | 248,586 | 253,635 | 255,927 | 259,129 | 261,108 | 264,494 | 267,067 | 270,219 | 272,920 |
| Pottawattamie | 70,003  | 70,217  | 70,282  | 69,850  | 69,940  | 74,613  | 75,795  | 76,836  | 77,432  | 81,101  | 83,166  | 84,293  | 85,407  |
| Poweshiek     | 19,276  | 18,889  | 19,144  | 19,312  | 18,788  | 18,526  | 18,309  | 18,105  | 18,164  | 19,014  | 19,269  | 19,150  | 18,987  |
| Ringgold      | 9,409   | 9,130   | 8,995   | 8,789   | 7,980   | 7,700   | 7,525   | 7,597   | 7,965   | 8,242   | 7,861   | 7,681   | 7,490   |
| Sac           | 17,549  | 17,333  | 17,260  | 16,827  | 16,691  | 16,982  | 16,872  | 16,944  | 16,979  | 16,679  | 16,969  | 16,821  | 16,651  |
| Scott         | 100,911 | 101,507 | 104,862 | 106,078 | 107,650 | 111,368 | 114,694 | 114,943 | 115,321 | 116,332 | 119,355 | 120,744 | 121,980 |
| Shelby        | 15,538  | 13,764  | 13,156  | 13,399  | 14,316  | 14,682  | 14,931  | 15,233  | 15,565  | 15,652  | 15,796  | 15,693  | 15,567  |
| Sioux         | 26,380  | 26,591  | 26,585  | 25,572  | 25,456  | 25,627  | 25,757  | 25,804  | 25,633  | 26,190  | 26,328  | 26,172  | 25,983  |
| Story         | 44,766  | 45,329  | 45,452  | 45,658  | 45,537  | 45,944  | 46,842  | 46,797  | 46,989  | 47,504  | 49,379  | 49,714  | 49,948  |
| Tama          | 21,569  | 21,859  | 22,129  | 21,967  | 21,754  | 22,089  | 21,878  | 21,743  | 21,210  | 21,280  | 21,370  | 21,221  | 21,061  |
| Taylor        | 12,393  | 11,961  | 11,891  | 11,702  | 11,424  | 11,316  | 11,021  | 10,690  | 10,619  | 10,277  | 10,222  | 9,975   | 9,720   |
| Union         | 15,686  | 15,704  | 15,929  | 15,688  | 15,541  | 15,589  | 15,573  | 15,189  | 14,681  | 14,323  | 13,651  | 13,414  | 13,146  |
| Van Buren     | 11,029  | 10,706  | 10,642  | 10,511  | 10,291  | 10,088  | 9,931   | 9,982   | 9,989   | 9,819   | 9,736   | 9,583   | 9,438   |
| Wapello       | 47,605  | 47,226  | 46,773  | 46,274  | 45,755  | 46,830  | 46,780  | 46,641  | 46,611  | 46,512  | 45,985  | 45,541  | 45,050  |
| Warren        | 17,732  | 17,397  | 17,842  | 17,793  | 17,704  | 19,235  | 19,282  | 19,444  | 19,999  | 20,472  | 20,896  | 21,202  | 21,484  |
| Washington    | 19,599  | 18,926  | 19,113  | 19,053  | 19,193  | 19,709  | 19,765  | 19,555  | 19,438  | 19,389  | 19,365  | 19,223  | 19,067  |
| Wayne         | 11,684  | 11,762  | 11,497  | 11,156  | 10,746  | 10,543  | 10,381  | 10,173  | 9,993   | 9,875   | 9,741   | 9,518   | 9,270   |
| Webster       | 44,353  | 45,321  | 46,190  | 46,770  | 47,075  | 48,199  | 48,195  | 49,175  | 48,215  | 48,571  | 47,824  | 47,932  | 47,971  |
| Winnebago     | 13,391  | 13,143  | 13,072  | 13,126  | 12,914  | 13,257  | 13,199  | 13,176  | 13,263  | 12,942  | 13,075  | 12,943  | 12,786  |
| Winneshiek    | 21,480  | 20,910  | 20,466  | 20,483  | 20,859  | 21,477  | 21,670  | 21,532  | 21,327  | 21,557  | 21,619  | 21,522  | 21,410  |
| Woodbury      | 103,777 | 105,533 | 106,797 | 105,768 | 105,921 | 107,626 | 109,091 | 109,739 | 107,206 | 107,380 | 107,770 | 107,493 | 107,128 |
| Worth         | 11,055  | 11,525  | 12,063  | 11,792  | 10,836  | 10,344  | 10,171  | 9,755   | 9,353   | 9,596   | 10,225  | 10,090  | 9,927   |
| Wright        | 19,712  | 18,964  | 18,654  | 18,532  | 18,263  | 17,927  | 18,029  | 17,941  | 17,871  | 19,200  | 19,418  | 19,289  | 19,116  |

TABLE III

## PER CAPITA PERSONAL INCOME IN IOWA BY COUNTY: 1950-1962

| County      | (Dollars) |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 1950      | 1951  | 1952  | 1953  | 1954  | 1955  | 1956  | 1957  | 1958  | 1959  | 1960  | 1961  | 1962  |
| Adair       | 1,317     | 1,258 | 1,196 | 1,115 | 1,347 | 1,023 | 1,051 | 1,331 | 1,511 | 1,390 | 1,578 | 1,817 | 1,911 |
| Adams       | 1,393     | 1,356 | 1,275 | 1,159 | 1,343 | 1,065 | 1,226 | 1,446 | 1,508 | 1,484 | 1,461 | 1,741 | 1,843 |
| Alamakee    | 1,096     | 1,207 | 1,163 | 1,183 | 1,362 | 1,157 | 1,212 | 1,588 | 1,590 | 1,483 | 1,490 | 1,638 | 1,693 |
| Appanoose   | 875       | 950   | 890   | 887   | 961   | 927   | 1,053 | 1,220 | 1,277 | 1,297 | 1,312 | 1,491 | 1,631 |
| Audubon     | 1,537     | 1,773 | 1,714 | 1,457 | 1,602 | 1,289 | 1,295 | 1,679 | 1,822 | 1,718 | 1,743 | 1,829 | 2,045 |
| Benton      | 1,297     | 1,427 | 1,508 | 1,553 | 1,628 | 1,296 | 1,417 | 1,853 | 1,894 | 1,780 | 1,718 | 1,915 | 1,878 |
| Black Hawk  | 1,597     | 1,751 | 1,863 | 1,919 | 1,974 | 2,039 | 2,033 | 2,196 | 2,244 | 2,389 | 2,367 | 2,379 | 2,439 |
| Boone       | 1,165     | 1,191 | 1,253 | 1,124 | 1,301 | 1,163 | 1,226 | 1,387 | 1,404 | 1,524 | 1,553 | 1,635 | 1,700 |
| Bremer      | 1,390     | 1,557 | 1,577 | 1,532 | 1,718 | 1,542 | 1,717 | 1,851 | 1,838 | 1,699 | 1,801 | 1,852 | 1,885 |
| Buchanan    | 1,077     | 1,093 | 1,234 | 1,177 | 1,374 | 1,120 | 1,218 | 1,451 | 1,451 | 1,389 | 1,437 | 1,517 | 1,543 |
| Buena Vista | 1,501     | 1,642 | 1,703 | 1,514 | 1,825 | 1,507 | 1,337 | 1,719 | 1,858 | 1,894 | 2,025 | 2,190 | 2,267 |
| Butler      | 1,185     | 1,228 | 1,198 | 1,104 | 1,376 | 1,033 | 1,137 | 1,483 | 1,490 | 1,403 | 1,463 | 1,559 | 1,611 |
| Calhoun     | 1,371     | 1,423 | 1,600 | 1,235 | 1,372 | 1,035 | 1,092 | 1,447 | 1,444 | 1,273 | 1,656 | 1,819 | 1,835 |
| Carrroll    | 1,276     | 1,295 | 1,388 | 1,261 | 1,457 | 1,239 | 1,230 | 1,496 | 1,627 | 1,644 | 1,782 | 1,974 | 2,129 |
| Cass        | 1,481     | 1,676 | 1,677 | 1,548 | 1,688 | 1,592 | 1,655 | 1,919 | 1,980 | 1,964 | 1,990 | 2,117 | 2,244 |
| Cedar       | 1,639     | 1,800 | 1,905 | 1,739 | 2,140 | 1,612 | 1,718 | 2,203 | 2,202 | 1,881 | 1,849 | 1,868 | 1,920 |
| Cerro Gordo | 1,498     | 1,603 | 1,665 | 1,621 | 1,839 | 1,760 | 1,833 | 1,930 | 1,972 | 2,084 | 2,182 | 2,255 | 2,330 |
| Cherokee    | 1,630     | 1,746 | 1,671 | 1,502 | 1,775 | 1,493 | 1,412 | 1,658 | 1,934 | 1,965 | 1,985 | 2,073 | 2,250 |
| Chickasaw   | 1,080     | 1,105 | 1,155 | 1,088 | 1,359 | 1,093 | 1,258 | 1,461 | 1,449 | 1,324 | 1,392 | 1,531 | 1,560 |
| Clarke      | 1,045     | 1,044 | 936   | 927   | 1,058 | 999   | 1,112 | 1,488 | 1,435 | 1,366 | 1,294 | 1,488 | 1,625 |
| Clay        | 1,604     | 1,646 | 1,698 | 1,569 | 1,898 | 1,660 | 1,690 | 1,865 | 1,894 | 1,988 | 2,047 | 2,236 | 2,396 |
| Clayton     | 1,220     | 1,292 | 1,232 | 1,303 | 1,460 | 1,183 | 1,276 | 1,575 | 1,568 | 1,410 | 1,438 | 1,557 | 1,627 |
| Clinton     | 1,596     | 1,766 | 1,804 | 1,783 | 1,846 | 1,734 | 1,889 | 2,013 | 2,027 | 2,070 | 2,031 | 2,048 | 2,129 |
| Crawford    | 1,630     | 1,788 | 1,712 | 1,431 | 1,581 | 1,331 | 1,205 | 1,481 | 1,618 | 1,739 | 1,663 | 1,867 | 1,977 |
| Dallas      | 1,330     | 1,425 | 1,414 | 1,294 | 1,471 | 1,333 | 1,273 | 1,569 | 1,624 | 1,652 | 1,752 | 1,799 | 1,833 |
| Davis       | 921       | 967   | 950   | 886   | 1,094 | 933   | 994   | 1,212 | 1,200 | 1,188 | 1,131 | 1,338 | 1,434 |
| Decatur     | 892       | 920   | 873   | 838   | 960   | 887   | 940   | 1,160 | 1,212 | 1,061 | 1,176 | 1,341 | 1,520 |
| Delaware    | 1,475     | 1,732 | 1,603 | 1,598 | 1,839 | 1,360 | 1,461 | 1,865 | 1,882 | 1,622 | 1,616 | 1,781 | 1,811 |
| Des Moines  | 1,571     | 1,725 | 2,186 | 2,215 | 1,927 | 1,829 | 1,923 | 2,154 | 2,230 | 2,347 | 2,350 | 2,434 | 2,547 |
| Dickinson   | 1,150     | 1,142 | 1,149 | 1,073 | 1,305 | 1,134 | 1,217 | 1,542 | 1,519 | 1,357 | 1,555 | 1,687 | 1,833 |
| Dubuque     | 1,537     | 1,698 | 1,735 | 1,779 | 1,864 | 1,845 | 1,943 | 2,174 | 2,218 | 2,332 | 2,324 | 2,383 | 2,461 |
| Emmet       | 1,356     | 1,342 | 1,444 | 1,289 | 1,573 | 1,394 | 1,536 | 1,769 | 1,749 | 1,725 | 1,846 | 1,971 | 2,081 |
| Fayette     | 1,203     | 1,264 | 1,267 | 1,296 | 1,440 | 1,247 | 1,348 | 1,644 | 1,666 | 1,597 | 1,660 | 1,770 | 1,800 |

TABLE III (Continued)

| County    | 1950  | 1951  | 1952  | 1953  | 1954  | 1955  | 1956  | 1957  | 1958  | 1959  | 1960  | 1961  | 1962  |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Floyd     | 1,389 | 1,494 | 1,670 | 1,459 | 1,602 | 1,724 | 1,562 | 1,825 | 1,885 | 1,924 | 1,892 | 1,954 | 2,012 |
| Franklin  | 1,435 | 1,387 | 1,461 | 1,353 | 1,633 | 1,276 | 1,405 | 1,752 | 1,655 | 1,612 | 1,785 | 1,954 | 1,963 |
| Fremont   | 1,278 | 1,373 | 1,673 | 1,315 | 1,228 | 1,091 | 1,187 | 1,554 | 1,558 | 1,563 | 1,414 | 1,571 | 1,670 |
| Greene    | 1,410 | 1,387 | 1,492 | 1,158 | 1,453 | 1,113 | 1,272 | 1,592 | 1,533 | 1,459 | 1,719 | 1,829 | 1,923 |
| Grundy    | 1,369 | 1,475 | 1,566 | 1,362 | 1,681 | 1,329 | 1,591 | 1,980 | 1,832 | 1,712 | 1,723 | 1,832 | 1,902 |
| Guthrie   | 1,075 | 1,143 | 1,153 | 1,028 | 1,283 | 1,086 | 1,171 | 1,457 | 1,376 | 1,239 | 1,309 | 1,512 | 1,572 |
| Hamilton  | 1,449 | 1,442 | 1,575 | 1,575 | 1,803 | 1,559 | 1,579 | 1,887 | 1,884 | 1,959 | 2,074 | 2,058 | 2,086 |
| Hancock   | 1,369 | 1,398 | 1,545 | 1,353 | 1,746 | 1,524 | 1,509 | 1,820 | 1,698 | 1,516 | 1,655 | 1,827 | 1,880 |
| Hardin    | 1,299 | 1,373 | 1,491 | 1,378 | 1,604 | 1,406 | 1,546 | 1,911 | 1,933 | 1,898 | 1,894 | 2,002 | 2,115 |
| Harrison  | 1,235 | 1,233 | 1,339 | 1,072 | 1,199 | 1,032 | 1,182 | 1,429 | 1,501 | 1,449 | 1,437 | 1,562 | 1,736 |
| Henry     | 1,068 | 1,127 | 1,148 | 1,100 | 1,260 | 1,154 | 1,251 | 1,539 | 1,551 | 1,573 | 1,658 | 1,780 | 1,873 |
| Howard    | 1,101 | 1,141 | 1,098 | 1,014 | 1,225 | 1,013 | 1,148 | 1,463 | 1,443 | 1,364 | 1,373 | 1,501 | 1,533 |
| Humboldt  | 1,452 | 1,436 | 1,568 | 1,309 | 1,611 | 1,263 | 1,264 | 1,672 | 1,634 | 1,637 | 1,718 | 1,788 | 1,871 |
| Ida       | 2,094 | 2,196 | 2,066 | 1,739 | 1,970 | 1,591 | 1,534 | 1,610 | 2,060 | 2,010 | 1,986 | 2,333 | 2,635 |
| Iowa      | 1,487 | 1,522 | 1,603 | 1,530 | 1,827 | 1,589 | 1,767 | 1,960 | 2,002 | 1,872 | 1,896 | 2,156 | 2,221 |
| Jackson   | 1,222 | 1,320 | 1,424 | 1,343 | 1,488 | 1,431 | 1,538 | 1,839 | 1,840 | 1,714 | 1,715 | 1,822 | 1,830 |
| Jasper    | 1,623 | 1,778 | 1,819 | 1,800 | 1,902 | 1,767 | 1,957 | 2,042 | 2,084 | 2,233 | 2,265 | 2,298 | 2,303 |
| Jefferson | 1,218 | 1,300 | 1,281 | 1,290 | 1,424 | 1,209 | 1,349 | 1,503 | 1,656 | 1,737 | 1,764 | 1,901 | 2,010 |
| Johnson   | 1,290 | 1,339 | 1,425 | 1,375 | 1,505 | 1,443 | 1,566 | 1,699 | 1,771 | 1,790 | 1,890 | 1,897 | 1,965 |
| Jones     | 1,457 | 1,598 | 1,582 | 1,450 | 1,633 | 1,346 | 1,447 | 1,689 | 1,837 | 1,680 | 1,660 | 1,674 | 1,745 |
| Keokuk    | 1,205 | 1,178 | 1,203 | 1,175 | 1,435 | 1,204 | 1,337 | 1,685 | 1,723 | 1,632 | 1,494 | 1,646 | 1,724 |
| Kossuth   | 1,335 | 1,308 | 1,403 | 1,163 | 1,453 | 1,187 | 1,389 | 1,670 | 1,603 | 1,538 | 1,726 | 1,864 | 1,902 |
| Lee       | 1,386 | 1,526 | 1,568 | 1,636 | 1,666 | 1,642 | 1,758 | 1,677 | 1,736 | 1,899 | 1,903 | 2,007 | 2,126 |
| Linn      | 1,767 | 1,966 | 2,178 | 2,207 | 2,296 | 2,272 | 2,401 | 2,365 | 2,403 | 2,508 | 2,477 | 2,496 | 2,537 |
| Louisa    | 1,429 | 1,511 | 1,520 | 1,363 | 1,684 | 1,396 | 1,607 | 1,947 | 2,008 | 1,724 | 1,607 | 1,741 | 1,764 |
| Lucas     | 1,055 | 1,110 | 1,109 | 1,103 | 1,178 | 1,107 | 1,337 | 1,615 | 1,592 | 1,634 | 1,653 | 1,871 | 1,941 |
| Lynn      | 1,563 | 1,601 | 1,573 | 1,392 | 1,717 | 1,305 | 1,298 | 1,656 | 1,677 | 1,524 | 1,687 | 1,834 | 1,997 |
| Madison   | 1,216 | 1,245 | 1,194 | 1,171 | 1,425 | 1,174 | 1,205 | 1,555 | 1,552 | 1,433 | 1,460 | 1,556 | 1,697 |
| Mahaska   | 1,326 | 1,323 | 1,295 | 1,260 | 1,450 | 1,249 | 1,366 | 1,637 | 1,698 | 1,678 | 1,744 | 1,855 | 1,974 |
| Marion    | 1,217 | 1,319 | 1,258 | 1,309 | 1,433 | 1,424 | 1,519 | 1,764 | 1,820 | 1,776 | 1,779 | 1,879 | 2,057 |
| Marshall  | 1,501 | 1,670 | 1,773 | 1,739 | 1,895 | 1,797 | 1,913 | 2,170 | 2,184 | 2,249 | 2,257 | 2,282 | 2,397 |
| Mills     | 1,287 | 1,461 | 1,374 | 1,173 | 1,280 | 1,211 | 1,284 | 1,538 | 1,481 | 1,508 | 1,542 | 1,751 | 1,910 |
| Mitchell  | 1,332 | 1,384 | 1,437 | 1,280 | 1,533 | 1,251 | 1,302 | 1,733 | 1,634 | 1,634 | 1,773 | 1,891 | 1,962 |
| Monona    | 1,335 | 1,237 | 1,304 | 1,180 | 1,363 | 1,090 | 1,168 | 1,475 | 1,511 | 1,487 | 1,502 | 1,617 | 1,679 |

TABLE III (Concluded)

| County        | 1950  | 1951  | 1952  | 1953  | 1954  | 1955  | 1956  | 1957  | 1958  | 1959  | 1960  | 1961  | 1962  |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Monroe        | 915   | 897   | 878   | 928   | 930   | 859   | 952   | 1,104 | 1,102 | 1,151 | 1,082 | 1,232 | 1,337 |
| Montgomery    | 1,460 | 1,535 | 1,633 | 1,491 | 1,629 | 1,449 | 1,525 | 1,712 | 1,769 | 1,812 | 1,885 | 2,051 | 2,163 |
| Muscataine    | 1,322 | 1,424 | 1,419 | 1,355 | 1,468 | 1,599 | 1,443 | 1,621 | 1,691 | 1,748 | 1,765 | 1,840 | 1,906 |
| O'Brien       | 1,491 | 1,522 | 1,533 | 1,341 | 1,694 | 1,367 | 1,384 | 1,611 | 1,705 | 1,769 | 1,882 | 1,882 | 2,034 |
| Osceola       | 1,492 | 1,473 | 1,512 | 1,228 | 1,685 | 1,321 | 1,406 | 1,581 | 1,578 | 1,551 | 1,687 | 1,845 | 1,982 |
| Page          | 1,572 | 1,795 | 1,712 | 1,635 | 1,709 | 1,593 | 1,721 | 1,900 | 2,001 | 2,017 | 1,999 | 2,069 | 2,217 |
| Palo Alto     | 1,286 | 1,286 | 1,426 | 1,167 | 1,547 | 1,182 | 1,292 | 1,516 | 1,500 | 1,530 | 1,619 | 1,830 | 1,867 |
| Plymouth      | 1,800 | 2,030 | 1,920 | 1,547 | 1,832 | 1,407 | 1,365 | 1,530 | 1,991 | 1,955 | 1,851 | 1,097 | 2,353 |
| Pocahontas    | 1,363 | 1,452 | 1,615 | 1,356 | 1,709 | 1,303 | 1,304 | 1,644 | 1,670 | 1,629 | 1,753 | 2,051 | 2,139 |
| Polk          | 1,782 | 1,922 | 2,079 | 2,093 | 2,139 | 2,265 | 2,467 | 2,520 | 2,612 | 2,847 | 2,962 | 2,946 | 3,038 |
| Pottawattamie | 1,425 | 1,620 | 1,624 | 1,457 | 1,556 | 1,435 | 1,498 | 1,699 | 1,752 | 1,797 | 1,764 | 1,744 | 1,833 |
| Poweshiek     | 1,373 | 1,418 | 1,388 | 1,325 | 1,586 | 1,397 | 1,535 | 1,939 | 1,922 | 1,720 | 1,714 | 1,909 | 2,013 |
| Ringgold      | 1,080 | 962   | 874   | 832   | 1,072 | 943   | 1,123 | 1,373 | 1,280 | 1,111 | 1,127 | 1,289 | 1,487 |
| Sac           | 1,593 | 1,686 | 1,766 | 1,539 | 1,827 | 1,489 | 1,466 | 1,545 | 1,797 | 1,821 | 1,970 | 2,240 | 2,365 |
| Scott         | 1,580 | 1,734 | 1,874 | 1,942 | 1,937 | 1,946 | 2,052 | 2,135 | 2,201 | 2,376 | 2,411 | 2,407 | 2,482 |
| Shelby        | 1,791 | 2,188 | 2,412 | 1,960 | 1,965 | 1,579 | 1,669 | 1,900 | 1,990 | 2,002 | 1,947 | 2,063 | 2,299 |
| Sioux         | 1,654 | 1,774 | 1,665 | 1,486 | 1,834 | 1,432 | 1,439 | 1,650 | 1,870 | 1,688 | 1,708 | 1,876 | 2,118 |
| Story         | 1,244 | 1,290 | 1,391 | 1,333 | 1,474 | 1,450 | 1,519 | 1,713 | 1,799 | 1,860 | 1,881 | 1,992 | 2,076 |
| Tama          | 1,331 | 1,341 | 1,394 | 1,255 | 1,501 | 1,253 | 1,381 | 1,772 | 1,807 | 1,747 | 1,691 | 1,837 | 1,929 |
| Taylor        | 1,226 | 1,200 | 1,134 | 1,057 | 1,164 | 1,013 | 1,210 | 1,379 | 1,394 | 1,326 | 1,279 | 1,512 | 1,667 |
| Union         | 1,128 | 1,119 | 1,048 | 1,013 | 1,111 | 1,021 | 1,096 | 1,314 | 1,380 | 1,454 | 1,541 | 1,750 | 1,837 |
| Van Buren     | 887   | 912   | 925   | 885   | 1,047 | 902   | 1,048 | 1,276 | 1,246 | 1,252 | 1,225 | 1,413 | 1,552 |
| Wapello       | 1,360 | 1,509 | 1,663 | 1,670 | 1,673 | 1,716 | 1,829 | 1,942 | 1,987 | 2,162 | 2,202 | 2,349 | 2,454 |
| Warren        | 1,000 | 1,025 | 1,052 | 973   | 1,150 | 929   | 1,029 | 1,305 | 1,264 | 1,219 | 1,250 | 1,339 | 1,376 |
| Washington    | 1,493 | 1,547 | 1,462 | 1,436 | 1,691 | 1,373 | 1,468 | 1,817 | 1,658 | 1,773 | 1,848 | 1,949 | 2,014 |
| Wayne         | 925   | 890   | 850   | 836   | 989   | 855   | 1,007 | 1,304 | 1,260 | 1,217 | 1,215 | 1,441 | 1,606 |
| Webster       | 1,378 | 1,438 | 1,501 | 1,435 | 1,586 | 1,521 | 1,593 | 1,800 | 1,835 | 1,950 | 2,087 | 2,170 | 2,246 |
| Winnebago     | 1,242 | 1,287 | 1,370 | 1,210 | 1,478 | 1,177 | 1,351 | 1,556 | 1,498 | 1,412 | 1,445 | 1,636 | 1,664 |
| Winneshiek    | 1,272 | 1,419 | 1,427 | 1,436 | 1,553 | 1,293 | 1,420 | 1,714 | 1,744 | 1,661 | 1,691 | 1,779 | 1,784 |
| Woodbury      | 1,764 | 1,965 | 2,092 | 2,039 | 2,144 | 2,113 | 2,227 | 1,954 | 2,285 | 2,434 | 2,446 | 2,579 | 2,717 |
| Worth         | 1,104 | 1,137 | 1,128 | 1,107 | 1,462 | 1,274 | 1,425 | 3,406 | 1,617 | 1,533 | 1,493 | 1,756 | 1,782 |
| Wright        | 1,372 | 1,459 | 1,496 | 1,298 | 1,693 | 1,454 | 1,548 | 1,867 | 1,817 | 1,742 | 1,820 | 1,892 | 1,936 |



TABLE IV  
 MAJOR COMPONENTS OF PERSONAL INCOME IN IOWA BY COUNTY: 1950-1962  
 (Thousands of Dollars)

| County      | Total Personal Income |         | Wages, Salaries<br>Other Labor |         | Proprietor<br>Income |        | Property<br>Income |        | Transfer<br>Payments |        | Less Personal<br>Contributions For<br>Social Insurance |       |
|-------------|-----------------------|---------|--------------------------------|---------|----------------------|--------|--------------------|--------|----------------------|--------|--|-------|
|             | 1950                  | 1962    | 1950                           | 1962    | 1950                 | 1962   | 1950               | 1962   | 1950                 | 1962   | 1950   | 1962  |
| Adair       | 17,141                | 19,997  | 3,514                          | 6,114   | 10,912               | 9,685  | 2,047              | 2,642  | 732                  | 1,773  | 64   | 217   |
| Adams       | 12,211                | 13,030  | 2,569                          | 4,095   | 7,740                | 6,078  | 1,315              | 1,633  | 634                  | 1,370  | 47   | 146   |
| Alamakee    | 17,937                | 26,604  | 5,242                          | 10,160  | 9,805                | 10,383 | 1,889              | 3,267  | 1,096                | 2,721  | 95   | 377   |
| Appanoose   | 17,042                | 24,727  | 7,951                          | 11,597  | 5,167                | 6,590  | 1,777              | 2,677  | 2,291                | 4,275  | 144  | 412   |
| Audubon     | 17,683                | 22,604  | 4,131                          | 6,589   | 11,270               | 12,257 | 1,613              | 2,296  | 744                  | 1,696  | 75   | 234   |
| Benton      | 29,381                | 43,691  | 8,621                          | 16,635  | 15,036               | 17,452 | 4,257              | 6,667  | 1,623                | 3,528  | 156  | 591   |
| Black Hawk  | 162,845               | 308,519 | 112,582                        | 228,978 | 31,415               | 36,829 | 13,837             | 38,389 | 7,046                | 17,996 | 2,035  | 7,873 |
| Boone       | 32,466                | 46,828  | 13,479                         | 22,822  | 12,216               | 11,246 | 4,555              | 7,870  | 2,461                | 5,700  | 245  | 810   |
| Bremer      | 26,252                | 40,469  | 9,771                          | 22,397  | 12,401               | 10,492 | 2,889              | 5,534  | 1,368                | 2,852  | 177  | 796   |
| Buchanan    | 23,402                | 34,234  | 6,535                          | 14,822  | 13,258               | 12,079 | 2,523              | 4,802  | 1,205                | 3,058  | 119  | 527   |
| Buena Vista | 31,933                | 47,246  | 10,219                         | 20,635  | 15,703               | 16,018 | 4,827              | 7,844  | 1,370                | 3,483  | 186  | 734   |
| Butler      | 20,435                | 27,762  | 5,255                          | 9,652   | 11,653               | 11,672 | 2,490              | 4,209  | 1,132                | 2,572  | 95   | 343   |
| Calhoun     | 23,225                | 28,367  | 8,589                          | 10,142  | 9,617                | 10,344 | 3,951              | 5,409  | 1,225                | 2,633  | 157  | 361   |
| Carroll     | 29,490                | 49,341  | 10,249                         | 18,571  | 12,887               | 20,774 | 5,095              | 7,069  | 1,445                | 3,588  | 186  | 661   |
| Cass        | 27,592                | 39,515  | 8,544                          | 17,301  | 14,374               | 14,063 | 3,492              | 5,339  | 1,337                | 3,427  | 155  | 615   |
| Cedar       | 27,753                | 34,070  | 5,937                          | 12,056  | 17,406               | 14,409 | 3,538              | 5,570  | 980                  | 2,463  | 108  | 428   |
| Cerro Gordo | 68,730                | 116,470 | 39,286                         | 70,391  | 18,945               | 22,961 | 7,674              | 16,728 | 3,538                | 8,889  | 713  | 2,499 |
| Cherokee    | 31,120                | 41,147  | 8,911                          | 16,186  | 16,827               | 16,396 | 4,557              | 6,287  | 1,186                | 2,948  | 161  | 570   |
| Chickasaw   | 16,321                | 23,120  | 4,284                          | 8,008   | 9,287                | 9,915  | 1,861              | 3,160  | 962                  | 2,322  | 78   | 285   |
| Clarke      | 9,601                 | 12,797  | 3,023                          | 5,669   | 4,793                | 4,313  | 1,444              | 1,385  | 696                  | 1,631  | 55   | 201   |
| Clay        | 29,395                | 43,750  | 9,564                          | 18,388  | 14,199               | 14,859 | 4,569              | 8,339  | 1,237                | 2,818  | 174  | 654   |
| Clayton     | 27,681                | 35,106  | 7,199                          | 13,237  | 16,083               | 14,442 | 2,974              | 4,285  | 1,556                | 3,612  | 131  | 470   |
| Clinton     | 79,310                | 118,420 | 41,321                         | 73,447  | 26,998               | 22,947 | 8,179              | 15,630 | 3,563                | 9,002  | 751  | 2,606 |
| Crawford    | 32,043                | 35,819  | 6,750                          | 12,298  | 19,952               | 15,278 | 4,012              | 5,530  | 1,452                | 3,151  | 123  | 438   |
| Dallas      | 31,210                | 43,758  | 12,112                         | 23,310  | 13,127               | 9,766  | 4,265              | 6,585  | 1,926                | 4,923  | 220  | 826   |
| Davis       | 9,082                 | 12,838  | 2,691                          | 4,804   | 4,785                | 5,414  | 733                | 1,101  | 726                  | 1,690  | 53   | 171   |
| Decatur     | 11,352                | 15,147  | 4,010                          | 7,529   | 5,087                | 4,092  | 987                | 1,392  | 1,341                | 2,413  | 73   | 269   |
| Delaware    | 25,009                | 33,417  | 5,954                          | 10,562  | 15,573               | 17,509 | 2,383              | 3,261  | 1,207                | 2,460  | 108  | 375   |
| Des Moines  | 65,858                | 113,864 | 42,609                         | 76,851  | 14,039               | 15,782 | 6,573              | 14,991 | 3,410                | 8,956  | 773  | 2,716 |
| Dickinson   | 14,584                | 22,570  | 4,959                          | 9,831   | 6,647                | 7,812  | 2,188              | 3,220  | 880                  | 2,056  | 90   | 349   |
| Dubuque     | 110,427               | 200,570 | 69,046                         | 136,746 | 26,613               | 31,889 | 10,274             | 24,006 | 5,742                | 12,756 | 1,248  | 4,827 |
| Emmet       | 19,271                | 30,662  | 8,151                          | 15,266  | 6,969                | 8,617  | 3,318              | 4,899  | 981                  | 2,426  | 148  | 546   |
| Fayette     | 33,894                | 50,940  | 12,734                         | 24,458  | 15,549               | 15,972 | 3,516              | 6,412  | 2,327                | 4,968  | 232  | 870   |

TABLE IV (Continued)

Iowa

| County    | Total Personal Income |         | Wages, Salaries<br>Other Labor Income |         | Proprietor Income |        | Property Income |        | Transfer Payments |        | Less Personal Contributions For Social Insurance |       |
|-----------|-----------------------|---------|---------------------------------------|---------|-------------------|--------|-----------------|--------|-------------------|--------|--|-------|
|           | 1950                  | 1962    | 1950                                  | 1962    | 1950              | 1962   | 1950            | 1962   | 1950              | 1962   | 1950   | 1962  |
|           |                       |         |                                       |         |                   |        |                 |        |                   |        |  |       |
| Floyd     | 30,022                | 41,733  | 14,942                                | 26,308  | 10,663            | 6,971  | 3,209           | 5,622  | 1,479             | 3,766  | 271  | 934   |
| Franklin  | 23,623                | 29,619  | 6,514                                 | 12,012  | 13,013            | 11,610 | 3,157           | 4,205  | 1,057             | 2,219  | 118  | 427   |
| Fremont   | 15,717                | 16,363  | 4,605                                 | 7,215   | 8,006             | 4,347  | 2,199           | 2,912  | 991               | 2,146  | 84   | 257   |
| Greene    | 21,831                | 26,938  | 5,994                                 | 10,122  | 11,112            | 9,140  | 3,733           | 5,470  | 1,101             | 2,566  | 109  | 360   |
| Grundy    | 19,228                | 26,651  | 4,815                                 | 9,389   | 10,766            | 11,186 | 2,921           | 4,496  | 814               | 1,918  | 88   | 333   |
| Guthrie   | 16,124                | 20,705  | 4,544                                 | 8,389   | 8,172             | 6,694  | 2,292           | 3,174  | 1,198             | 2,746  | 82   | 298   |
| Hamilton  | 28,303                | 41,337  | 10,209                                | 19,022  | 12,497            | 12,122 | 4,232           | 7,550  | 1,551             | 3,318  | 186  | 675   |
| Hancock   | 20,419                | 26,793  | 5,135                                 | 10,465  | 11,179            | 10,481 | 3,268           | 3,998  | 929               | 2,214  | 92   | 365   |
| Hardin    | 28,818                | 46,968  | 10,336                                | 20,941  | 12,788            | 15,790 | 4,289           | 7,041  | 1,593             | 3,940  | 188  | 744   |
| Harrison  | 24,115                | 29,526  | 6,680                                 | 11,711  | 12,840            | 10,467 | 3,043           | 4,288  | 1,673             | 3,476  | 121  | 416   |
| Henry     | 19,875                | 33,239  | 7,773                                 | 16,582  | 8,518             | 8,602  | 2,323           | 5,247  | 1,400             | 3,387  | 139  | 579   |
| Howard    | 14,332                | 19,162  | 3,842                                 | 7,217   | 7,968             | 7,562  | 1,738           | 2,544  | 854               | 2,094  | 70   | 255   |
| Humboldt  | 18,984                | 24,250  | 5,116                                 | 10,447  | 10,081            | 7,689  | 3,006           | 4,276  | 874               | 2,209  | 93   | 371   |
| Ida       | 22,434                | 26,245  | 3,812                                 | 6,818   | 15,568            | 14,753 | 2,487           | 3,301  | 636               | 1,616  | 69   | 243   |
| Iowa      | 23,370                | 36,174  | 7,139                                 | 19,165  | 13,053            | 11,690 | 2,340           | 3,548  | 968               | 2,455  | 130  | 684   |
| Jackson   | 22,558                | 40,616  | 8,154                                 | 21,745  | 10,773            | 11,361 | 2,231           | 5,076  | 1,549             | 3,206  | 149  | 772   |
| Jasper    | 52,775                | 81,419  | 27,837                                | 50,463  | 17,740            | 16,308 | 5,418           | 10,953 | 2,286             | 5,483  | 506  | 1,788 |
| Jefferson | 19,009                | 31,543  | 9,272                                 | 18,777  | 6,777             | 6,682  | 1,891           | 3,753  | 1,237             | 2,999  | 168  | 668   |
| Johnson   | 59,196                | 108,271 | 29,577                                | 71,008  | 21,030            | 18,827 | 6,491           | 14,689 | 2,632             | 6,273  | 534  | 2,526 |
| Jones     | 28,369                | 36,084  | 7,284                                 | 14,215  | 16,460            | 13,296 | 3,329           | 6,040  | 1,428             | 3,038  | 132  | 505   |
| Keokuk    | 20,044                | 25,849  | 5,600                                 | 9,800   | 11,067            | 9,161  | 2,405           | 4,179  | 1,074             | 3,057  | 102  | 348   |
| Kossuth   | 34,844                | 47,313  | 9,068                                 | 16,428  | 18,390            | 18,506 | 5,994           | 9,466  | 1,557             | 3,497  | 165  | 584   |
| Lee       | 60,966                | 93,183  | 39,343                                | 61,146  | 12,747            | 13,705 | 6,073           | 12,075 | 3,513             | 8,430  | 710  | 2,173 |
| Linn      | 184,586               | 365,736 | 120,959                               | 257,347 | 37,657            | 46,362 | 19,977          | 50,225 | 8,185             | 20,951 | 2,192  | 9,149 |
| Louis     | 15,697                | 17,616  | 4,224                                 | 6,924   | 8,983             | 6,590  | 1,795           | 2,594  | 772               | 1,754  | 77   | 246   |
| Lucas     | 12,783                | 20,505  | 4,847                                 | 10,043  | 5,431             | 5,152  | 1,487           | 3,134  | 1,106             | 2,533  | 88   | 357   |
| Lynn      | 22,888                | 28,407  | 4,593                                 | 8,096   | 14,075            | 14,164 | 3,417           | 4,542  | 886               | 1,893  | 83   | 288   |
| Madison   | 15,892                | 20,285  | 4,523                                 | 8,614   | 8,516             | 7,445  | 1,844           | 2,209  | 1,081             | 2,245  | 82   | 308   |
| Mahaska   | 32,725                | 45,507  | 12,260                                | 20,234  | 14,929            | 15,492 | 3,673           | 5,968  | 2,086             | 4,531  | 223  | 718   |
| Marion    | 32,032                | 52,505  | 14,066                                | 28,138  | 12,664            | 14,514 | 3,245           | 5,541  | 2,313             | 5,313  | 256  | 1,001 |
| Marshall  | 53,537                | 91,033  | 28,160                                | 55,170  | 17,183            | 18,659 | 6,171           | 12,814 | 2,532             | 6,349  | 509  | 1,959 |
| Mills     | 18,217                | 24,281  | 5,395                                 | 11,089  | 9,928             | 8,217  | 2,041           | 3,233  | 951               | 2,136  | 98   | 394   |
| MITCHELL  | 18,643                | 27,155  | 4,977                                 | 9,201   | 10,722            | 12,003 | 2,137           | 3,967  | 897               | 2,311  | 90   | 327   |
| Monona    | 21,537                | 22,322  | 5,692                                 | 9,728   | 11,794            | 6,485  | 2,853           | 3,916  | 1,301             | 2,639  | 103  | 346   |

TABLE IV (Concluded)

| County        | Total Personal Income |         | Wages, Salaries<br>Other Labor |         | Proprietor<br>Income |         | Property<br>Income |         | Transfer<br>Payments |        | Less Personal<br>Contributions For<br>Social Insurance |        |
|---------------|-----------------------|---------|--------------------------------|---------|----------------------|---------|--------------------|---------|----------------------|--------|--|--------|
|               | 1950                  | 1962    | 1950                           | 1962    | 1950                 | 1962    | 1950               | 1962    | 1950                 | 1962   | 1950   | 1962   |
| Monroe        | 10,854                | 13,461  | 3,694                          | 5,776   | 4,917                | 3,803   | 883                | 1,596   | 1,427                | 2,491  | 67   | 205    |
| Montgomery    | 22,864                | 30,193  | 8,226                          | 14,175  | 10,834               | 9,499   | 2,931              | 4,318   | 1,023                | 2,704  | 150  | 503    |
| Muscatine     | 42,530                | 64,621  | 22,940                         | 38,835  | 12,982               | 11,939  | 4,645              | 8,835   | 2,379                | 6,389  | 416  | 1,377  |
| O'Brien       | 28,088                | 37,700  | 7,561                          | 12,851  | 14,948               | 16,505  | 4,508              | 5,782   | 1,208                | 3,018  | 137  | 456    |
| Oceola        | 15,213                | 19,550  | 3,898                          | 6,677   | 8,362                | 8,860   | 2,416              | 2,867   | 608                  | 1,384  | 71   | 238    |
| Page          | 37,511                | 44,761  | 13,471                         | 20,984  | 18,535               | 14,447  | 4,143              | 5,962   | 1,607                | 4,112  | 245  | 744    |
| Palo Alto     | 20,263                | 26,688  | 5,504                          | 9,641   | 10,814               | 10,925  | 2,986              | 4,177   | 1,059                | 2,288  | 100  | 343    |
| Plymouth      | 42,016                | 55,929  | 8,934                          | 16,589  | 26,147               | 28,407  | 5,564              | 8,213   | 1,533                | 3,311  | 162  | 591    |
| Pocahontas    | 21,151                | 29,401  | 5,981                          | 9,138   | 10,820               | 13,886  | 3,470              | 4,506   | 987                  | 2,196  | 107  | 325    |
| Polk          | 406,144               | 829,121 | 268,184                        | 550,605 | 78,321               | 123,840 | 42,634             | 125,430 | 21,871               | 48,808 | 4,866  | 19,562 |
| Pottawattamie | 99,740                | 156,588 | 44,009                         | 80,567  | 39,979               | 41,593  | 10,285             | 22,242  | 6,262                | 15,037 | 795  | 2,851  |
| Poweshiek     | 26,469                | 38,220  | 8,941                          | 17,730  | 12,901               | 12,189  | 3,190              | 5,522   | 1,600                | 3,411  | 163  | 632    |
| Ringgold      | 10,165                | 11,140  | 2,571                          | 4,341   | 5,861                | 4,218   | 980                | 1,178   | 800                  | 1,565  | 47   | 154    |
| Sac           | 27,964                | 39,375  | 7,498                          | 11,847  | 15,585               | 19,838  | 3,846              | 5,310   | 1,170                | 2,801  | 135  | 421    |
| Scott         | 159,489               | 302,742 | 100,818                        | 195,437 | 33,802               | 46,319  | 19,458             | 49,206  | 7,238                | 18,708 | 1,827  | 6,928  |
| Shelby        | 27,830                | 35,785  | 5,575                          | 9,760   | 18,264               | 18,583  | 3,123              | 5,433   | 969                  | 2,356  | 101  | 347    |
| Sioux         | 43,631                | 55,032  | 9,458                          | 17,337  | 27,270               | 28,006  | 5,429              | 6,729   | 1,646                | 3,578  | 172  | 618    |
| Story         | 55,678                | 103,689 | 31,236                         | 66,843  | 15,505               | 16,449  | 6,814              | 15,598  | 2,686                | 7,182  | 563  | 2,383  |
| Story         | 28,710                | 40,637  | 8,351                          | 15,459  | 14,602               | 16,812  | 4,536              | 5,433   | 1,373                | 3,483  | 152  | 550    |
| Tama          | 15,182                | 16,200  | 3,499                          | 6,127   | 9,401                | 6,435   | 1,498              | 1,738   | 858                  | 2,118  | 64   | 218    |
| Taylor        | 17,689                | 24,155  | 7,583                          | 11,929  | 6,722                | 6,114   | 2,007              | 3,144   | 1,512                | 3,392  | 135  | 424    |
| Union         | 9,778                 | 14,648  | 3,215                          | 6,211   | 4,931                | 5,035   | 810                | 1,615   | 881                  | 2,007  | 59   | 220    |
| Van Buren     | 64,746                | 110,566 | 44,120                         | 80,029  | 12,496               | 13,841  | 5,008              | 10,167  | 3,918                | 9,372  | 796  | 2,843  |
| Wapello       | 17,740                | 29,567  | 6,037                          | 15,082  | 8,710                | 8,072   | 1,762              | 3,871   | 1,341                | 3,078  | 110  | 536    |
| Warren        | 29,253                | 38,397  | 8,321                          | 15,193  | 16,312               | 14,606  | 3,430              | 5,667   | 1,339                | 3,462  | 149  | 531    |
| Washington    | 10,806                | 14,889  | 3,645                          | 6,170   | 5,173                | 5,071   | 978                | 1,683   | 1,076                | 2,185  | 66   | 220    |
| Wayne         | 61,107                | 107,738 | 35,184                         | 68,159  | 15,381               | 17,881  | 7,753              | 15,637  | 3,427                | 8,474  | 638  | 2,413  |
| Webster       | 16,628                | 21,277  | 5,184                          | 8,993   | 8,503                | 7,275   | 2,181              | 3,197   | 854                  | 2,132  | 94   | 320    |
| Winnebago     | 27,324                | 38,206  | 7,851                          | 16,153  | 15,242               | 15,441  | 2,814              | 4,015   | 1,559                | 3,169  | 142  | 572    |
| Winneshek     | 183,068               | 291,062 | 108,622                        | 184,263 | 48,294               | 52,667  | 18,300             | 36,870  | 9,814                | 21,752 | 1,962  | 6,490  |
| Woodbury      | 12,210                | 17,694  | 3,589                          | 6,081   | 6,434                | 7,721   | 1,525              | 2,344   | 727                  | 1,764  | 65   | 216    |
| Worth         | 27,038                | 37,002  | 9,076                          | 16,147  | 12,529               | 11,764  | 4,283              | 6,350   | 1,315                | 3,315  | 165  | 574    |

TABLE Va

WAGE AND SALARY INCOME BY SECTOR IN IOWA BY COUNTY, 1950  
(Thousands of Dollars)

| County      | Total Personal Income | Total Wages & Salaries | Farm  | Mining | Contract Construction | Manufacturing | Wholesale & Retail Trade | Finan. & Ins. & Real Estate | Transportation | Comm. and Public Utilities | Services | Gov-ernment | Other |
|-------------|-----------------------|------------------------|-------|--------|-----------------------|---------------|--------------------------|-----------------------------|----------------|----------------------------|----------|-------------|-------|
| Adair       | 17,141                | 3,446                  | 424   | 40     | 429                   | 72            | 852                      | 61                          | 345            | 235                        | 265      | 709         | 34    |
| Adams       | 12,211                | 2,520                  | 319   | 7      | 317                   | 99            | 545                      | 78                          | 268            | 138                        | 188      | 539         | 23    |
| Allamakee   | 17,937                | 5,139                  | 622   | 10     | 562                   | 527           | 1,107                    | 121                         | 360            | 303                        | 449      | 956         | 122   |
| Appanoose   | 17,042                | 7,792                  | 276   | 725    | 607                   | 1,097         | 1,723                    | 126                         | 1,097          | 573                        | 413      | 1,128       | 27    |
| Audubon     | 17,683                | 4,049                  | 468   | 3      | 480                   | 264           | 1,205                    | 100                         | 253            | 151                        | 230      | 866         | 29    |
| Benton      | 29,381                | 8,445                  | 1,356 | 47     | 780                   | 468           | 1,873                    | 217                         | 1,338          | 335                        | 533      | 1,453       | 45    |
| Black Hawk  | 162,845               | 108,828                | 1,128 | 338    | 3,951                 | 58,263        | 19,448                   | 2,293                       | 5,892          | 2,231                      | 7,062    | 9,177       | 45    |
| Boone       | 32,466                | 13,221                 | 781   | 65     | 1,153                 | 940           | 3,038                    | 299                         | 3,163          | 748                        | 1,271    | 1,728       | 35    |
| Bremer      | 26,252                | 9,577                  | 533   | 14     | 688                   | 1,926         | 2,223                    | 468                         | 475            | 313                        | 1,087    | 1,811       | 39    |
| Buchanan    | 23,402                | 6,407                  | 669   | 58     | 708                   | 562           | 1,457                    | 147                         | 579            | 205                        | 520      | 1,465       | 37    |
| Buena Vista | 31,933                | 10,031                 | 830   | 9      | 1,031                 | 1,858         | 2,591                    | 256                         | 556            | 457                        | 1,050    | 1,357       | 36    |
| Butler      | 20,435                | 5,149                  | 691   | 84     | 654                   | 141           | 1,324                    | 152                         | 472            | 216                        | 393      | 978         | 44    |
| Calhoun     | 23,225                | 8,477                  | 642   | 3      | 714                   | 195           | 4,203                    | 165                         | 628            | 265                        | 391      | 1,239       | 32    |
| Carroll     | 29,490                | 10,057                 | 929   | 31     | 806                   | 1,155         | 3,078                    | 243                         | 1,071          | 416                        | 1,074    | 1,212       | 42    |
| Cass        | 27,592                | 8,378                  | 766   | 3      | 943                   | 920           | 2,440                    | 264                         | 599            | 478                        | 670      | 1,258       | 37    |
| Cedar       | 27,753                | 5,814                  | 1,286 | 27     | 622                   | 172           | 1,422                    | 212                         | 521            | 203                        | 394      | 911         | 44    |
| Cerro Gordo | 68,730                | 38,507                 | 1,084 | 477    | 2,395                 | 11,541        | 10,089                   | 1,214                       | 2,939          | 1,418                      | 3,928    | 3,381       | 41    |
| Cherokee    | 31,120                | 8,672                  | 1,081 | 9      | 750                   | 598           | 2,409                    | 256                         | 910            | 313                        | 867      | 1,441       | 38    |
| Chickasaw   | 16,321                | 4,202                  | 392   | 20     | 499                   | 255           | 1,178                    | 134                         | 296            | 122                        | 472      | 799         | 35    |
| Clarke      | 9,601                 | 2,961                  | 290   | 16     | 330                   | 205           | 664                      | 30                          | 426            | 208                        | 207      | 562         | 23    |
| Clay        | 29,395                | 9,383                  | 791   | 9      | 774                   | 1,040         | 3,610                    | 295                         | 509            | 348                        | 763      | 1,211       | 33    |
| Clayton     | 27,681                | 7,054                  | 928   | 37     | 737                   | 598           | 1,448                    | 156                         | 875            | 365                        | 447      | 1,364       | 99    |
| Clinton     | 79,310                | 40,514                 | 1,309 | 100    | 1,580                 | 17,328        | 7,082                    | 1,179                       | 4,056          | 1,002                      | 2,830    | 3,978       | 70    |
| Crawford    | 32,043                | 6,613                  | 865   | 7      | 649                   | 206           | 1,696                    | 182                         | 895            | 338                        | 526      | 1,204       | 45    |
| Dallas      | 31,210                | 11,859                 | 1,033 | 52     | 1,006                 | 1,747         | 2,392                    | 273                         | 1,851          | 451                        | 756      | 2,257       | 41    |
| Davis       | 9,082                 | 2,856                  | 239   | 78     | 285                   | 270           | 523                      | 52                          | 248            | 173                        | 177      | 759         | 32    |
| Decatur     | 11,352                | 3,942                  | 287   | 34     | 432                   | 158           | 846                      | 65                          | 331            | 194                        | 751      | 768         | 26    |
| Delaware    | 25,009                | 5,846                  | 846   | 52     | 635                   | 246           | 1,798                    | 108                         | 553            | 159                        | 470      | 927         | 52    |
| Des Moines  | 65,858                | 41,743                 | 629   | 72     | 1,612                 | 16,517        | 9,549                    | 754                         | 3,808          | 1,013                      | 2,298    | 5,438       | 53    |
| Dickinson   | 14,584                | 4,861                  | 452   | 6      | 753                   | 314           | 1,138                    | 78                          | 357            | 357                        | 483      | 882         | 41    |
| Dubuque     | 110,427               | 67,348                 | 778   | 215    | 2,242                 | 31,598        | 13,398                   | 1,612                       | 3,483          | 2,085                      | 7,765    | 4,108       | 64    |
| Emmet       | 19,271                | 7,996                  | 563   | 25     | 500                   | 1,715         | 2,060                    | 186                         | 769            | 289                        | 524      | 1,344       | 21    |
| Fayette     | 33,894                | 12,506                 | 867   | 69     | 860                   | 1,289         | 2,928                    | 269                         | 2,317          | 475                        | 1,639    | 1,733       | 60    |

TABLE Va (Continued)

Iowa

| County    | Total Personal Income | Total Wages & Salaries | Farm  | Mining | Contract Construction | Manufacturing | Wholesale & Retail Trade | Finan. & Ins. & Real Estate | Transportation | Comm. and Public Utilities | Services | Government | Other |
|-----------|-----------------------|------------------------|-------|--------|-----------------------|---------------|--------------------------|-----------------------------|----------------|----------------------------|----------|------------|-------|
| Floyd     | 30,022                | 14,620                 | 921   | 75     | 542                   | 7,370         | 2,401                    | 282                         | 544            | 338                        | 789      | 1,325      | 33    |
| Franklin  | 23,623                | 6,386                  | 1,408 | 40     | 671                   | 826           | 1,391                    | 139                         | 524            | 249                        | 531      | 927        | 40    |
| Fremont   | 15,717                | 4,520                  | 966   | 17     | 568                   | 91            | 1,121                    | 108                         | 449            | 159                        | 228      | 780        | 33    |
| Greene    | 21,831                | 5,875                  | 817   | 100    | 774                   | 239           | 1,333                    | 182                         | 504            | 308                        | 468      | 1,116      | 34    |
| Grundy    | 19,228                | 4,723                  | 884   | 2      | 500                   | 379           | 1,205                    | 173                         | 368            | 173                        | 274      | 735        | 30    |
| Guthrie   | 16,124                | 4,447                  | 567   | 7      | 549                   | 95            | 908                      | 108                         | 517            | 294                        | 288      | 1,080      | 33    |
| Hamilton  | 28,303                | 10,018                 | 1,027 | 3      | 787                   | 2,202         | 2,414                    | 290                         | 691            | 294                        | 868      | 1,403      | 39    |
| Hancock   | 20,419                | 4,957                  | 879   | 7      | 540                   | 115           | 1,315                    | 147                         | 403            | 240                        | 351      | 925        | 35    |
| Hardin    | 28,818                | 10,120                 | 917   | 167    | 1,027                 | 936           | 2,768                    | 295                         | 938            | 502                        | 796      | 1,736      | 38    |
| Harrison  | 24,115                | 6,548                  | 698   | 11     | 768                   | 98            | 1,674                    | 152                         | 1,068          | 346                        | 462      | 1,226      | 45    |
| Henry     | 19,875                | 7,509                  | 542   | 25     | 795                   | 674           | 1,692                    | 256                         | 533            | 416                        | 1,110    | 1,436      | 30    |
| Howard    | 14,332                | 3,751                  | 353   | 20     | 448                   | 125           | 1,169                    | 87                          | 276            | 203                        | 389      | 652        | 29    |
| Humboldt  | 18,984                | 5,014                  | 686   | 17     | 630                   | 427           | 1,063                    | 152                         | 435            | 300                        | 408      | 870        | 26    |
| Ida       | 22,434                | 3,739                  | 635   | 3      | 463                   | 168           | 890                      | 130                         | 317            | 173                        | 344      | 589        | 27    |
| Iowa      | 23,370                | 7,012                  | 1,220 | 7      | 487                   | 2,025         | 1,205                    | 134                         | 368            | 138                        | 584      | 809        | 35    |
| Jackson   | 22,558                | 8,022                  | 691   | 63     | 686                   | 2,200         | 1,293                    | 139                         | 679            | 346                        | 520      | 1,320      | 85    |
| Jasper    | 52,775                | 27,324                 | 843   | 30     | 920                   | 15,121        | 5,395                    | 386                         | 751            | 624                        | 1,177    | 2,031      | 46    |
| Jefferson | 19,009                | 9,080                  | 373   | 12     | 530                   | 3,799         | 1,510                    | 113                         | 599            | 257                        | 899      | 965        | 23    |
| Johnson   | 59,196                | 28,798                 | 955   | 35     | 1,627                 | 1,650         | 6,489                    | 555                         | 1,387          | 846                        | 2,577    | 12,633     | 44    |
| Jones     | 28,369                | 7,133                  | 1,019 | 92     | 650                   | 888           | 1,338                    | 173                         | 530            | 357                        | 681      | 1,361      | 44    |
| Keokuk    | 20,044                | 5,494                  | 705   | 6      | 514                   | 425           | 1,462                    | 173                         | 466            | 365                        | 384      | 959        | 35    |
| Kossuth   | 34,844                | 8,893                  | 1,298 | --     | 989                   | 546           | 2,693                    | 277                         | 553            | 286                        | 781      | 1,435      | 55    |
| Lee       | 60,966                | 38,316                 | 626   | 46     | 1,404                 | 20,661        | 4,518                    | 511                         | 4,001          | 1,116                      | 2,560    | 2,821      | 52    |
| Linn      | 184,586               | 118,298                | 1,327 | 687    | 4,594                 | 54,919        | 25,188                   | 4,729                       | 6,462          | 2,953                      | 10,174   | 7,204      | 61    |
| Louis     | 15,697                | 4,142                  | 684   | 22     | 502                   | 172           | 1,138                    | 87                          | 406            | 216                        | 214      | 673        | 28    |
| Lucas     | 12,783                | 4,762                  | 273   | 35     | 362                   | 305           | 1,736                    | 91                          | 593            | 200                        | 340      | 779        | 28    |
| Lyon      | 22,888                | 4,501                  | 750   | 4      | 504                   | 136           | 1,094                    | 130                         | 389            | 213                        | 378      | 865        | 38    |
| Madison   | 15,892                | 4,436                  | 567   | 258    | 461                   | 50            | 1,298                    | 117                         | 299            | 238                        | 331      | 785        | 32    |
| Mahaska   | 32,725                | 12,015                 | 768   | 371    | 918                   | 1,716         | 3,397                    | 251                         | 1,195          | 500                        | 1,399    | 1,460      | 40    |
| Marion    | 32,032                | 13,816                 | 510   | 1,016  | 828                   | 1,903         | 2,033                    | 251                         | 679            | 432                        | 1,057    | 5,068      | 39    |
| Marshall  | 53,537                | 27,463                 | 1,100 | 29     | 1,282                 | 11,299        | 5,483                    | 542                         | 2,303          | 829                        | 2,195    | 2,362      | 39    |
| Mills     | 18,217                | 5,288                  | 771   | 9      | 440                   | 434           | 1,001                    | 95                          | 694            | 211                        | 485      | 1,122      | 26    |
| Mitchell  | 18,643                | 4,871                  | 879   | 134    | 454                   | 338           | 1,103                    | 165                         | 371            | 249                        | 349      | 799        | 30    |
| Monona    | 21,537                | 5,575                  | 851   | 12     | 905                   | 208           | 1,307                    | 134                         | 489            | 259                        | 339      | 1,030      | 41    |

TABLE Va (Concluded)

| County        | Total Personal Income | Total Wages & Salaries | Farm  | Mining | Contract Construction | Manufacturing | Wholesale & Retail Trade | Finan. & Ins. & Real Estate | Transportation | Comm. and Public Utilities | Services | Government | Other |
|---------------|-----------------------|------------------------|-------|--------|-----------------------|---------------|--------------------------|-----------------------------|----------------|----------------------------|----------|------------|-------|
| Monroe        | 10,854                | 3,621                  | 181   | 362    | 300                   | 139           | 766                      | 52                          | 642            | 213                        | 258      | 685        | 23    |
| Montgomery    | 22,864                | 8,073                  | 541   | 155    | 667                   | 1,636         | 2,144                    | 195                         | 679            | 462                        | 564      | 1,005      | 25    |
| Muscataine    | 42,530                | 22,453                 | 937   | 248    | 1,355                 | 9,565         | 4,265                    | 420                         | 1,007          | 740                        | 1,722    | 2,147      | 47    |
| O'Brien       | 28,088                | 7,402                  | 808   | 4      | 855                   | 477           | 2,037                    | 199                         | 659            | 446                        | 664      | 1,218      | 35    |
| Osceola       | 15,213                | 3,823                  | 504   | 1      | 429                   | 422           | 979                      | 113                         | 325            | 167                        | 256      | 602        | 25    |
| Page          | 37,511                | 13,224                 | 1,979 | 20     | 952                   | 740           | 4,868                    | 264                         | 711            | 583                        | 1,124    | 1,946      | 37    |
| Palo Alto     | 20,263                | 5,397                  | 686   | 4      | 566                   | 160           | 1,551                    | 165                         | 492            | 200                        | 488      | 1,051      | 34    |
| Plymouth      | 42,016                | 8,753                  | 1,280 | 6      | 967                   | 351           | 2,108                    | 264                         | 737            | 357                        | 1,298    | 1,329      | 56    |
| Pocahontas    | 21,151                | 5,794                  | 732   | 4      | 600                   | 238           | 1,984                    | 134                         | 429            | 262                        | 464      | 911        | 36    |
| Polk          | 406,144               | 262,630                | 1,319 | 660    | 11,351                | 65,657        | 71,596                   | 28,066                      | 14,902         | 7,442                      | 31,117   | 30,470     | 50    |
| Pottawattamie | 99,740                | 42,897                 | 1,812 | 47     | 2,620                 | 4,282         | 8,588                    | 1,257                       | 13,609         | 2,045                      | 3,512    | 5,057      | 68    |
| Poweshiek     | 26,469                | 8,784                  | 734   | --     | 604                   | 724           | 1,953                    | 264                         | 610            | 524                        | 2,204    | 1,132      | 35    |
| Ringgold      | 10,165                | 2,522                  | 410   | 6      | 264                   | 29            | 452                      | 65                          | 233            | 151                        | 177      | 708        | 27    |
| Sac           | 27,964                | 7,306                  | 1,118 | 70     | 840                   | 587           | 1,843                    | 238                         | 535            | 259                        | 502      | 1,274      | 40    |
| Scott         | 159,489               | 98,617                 | 1,156 | 223    | 4,024                 | 36,408        | 25,884                   | 4,348                       | 4,243          | 2,820                      | 10,901   | 8,550      | 60    |
| Shelby        | 27,830                | 5,464                  | 819   | --     | 628                   | 179           | 1,656                    | 204                         | 380            | 232                        | 502      | 827        | 37    |
| Sioux         | 43,631                | 9,273                  | 1,184 | 154    | 960                   | 736           | 2,494                    | 269                         | 754            | 405                        | 869      | 1,394      | 54    |
| Story         | 55,678                | 30,385                 | 1,135 | 12     | 2,390                 | 1,360         | 4,664                    | 607                         | 1,160          | 835                        | 2,375    | 15,786     | 61    |
| Tama          | 28,710                | 8,178                  | 1,038 | 29     | 827                   | 1,047         | 1,608                    | 165                         | 936            | 427                        | 607      | 1,444      | 50    |
| Taylor        | 15,192                | 3,428                  | 386   | 3      | 375                   | 329           | 757                      | 65                          | 328            | 178                        | 218      | 759        | 30    |
| Union         | 17,689                | 7,300                  | 383   | 4      | 649                   | 584           | 1,940                    | 234                         | 1,537          | 440                        | 492      | 1,015      | 22    |
| Van Buren     | 9,778                 | 3,158                  | 296   | 233    | 300                   | 361           | 527                      | 61                          | 317            | 157                        | 180      | 676        | 30    |
| Wapello       | 64,746                | 42,950                 | 393   | 223    | 1,509                 | 20,875        | 7,534                    | 1,036                       | 4,015          | 1,351                      | 2,259    | 3,731      | 24    |
| Warren        | 17,740                | 5,919                  | 631   | 24     | 720                   | 273           | 1,028                    | 178                         | 489            | 365                        | 1,101    | 1,076      | 34    |
| Washington    | 29,253                | 8,057                  | 840   | 25     | 761                   | 1,176         | 2,091                    | 238                         | 596            | 451                        | 667      | 1,172      | 40    |
| Wayne         | 10,806                | 3,574                  | 397   | 110    | 328                   | 185           | 598                      | 78                          | 616            | 189                        | 260      | 785        | 28    |
| Webster       | 61,107                | 34,409                 | 950   | 82     | 1,859                 | 12,058        | 9,270                    | 893                         | 2,853          | 1,121                      | 2,254    | 3,027      | 42    |
| Winnebago     | 16,628                | 5,086                  | 520   | 61     | 560                   | 304           | 1,528                    | 130                         | 302            | 243                        | 601      | 809        | 28    |
| Winneshiek    | 27,324                | 7,663                  | 843   | 24     | 812                   | 494           | 1,860                    | 134                         | 423            | 324                        | 1,537    | 1,158      | 54    |
| Woodbury      | 183,068               | 105,866                | 1,292 | 24     | 4,142                 | 29,577        | 31,540                   | 3,741                       | 8,232          | 2,828                      | 9,393    | 15,032     | 62    |
| Worth         | 12,210                | 3,515                  | 481   | 69     | 362                   | 109           | 531                      | 108                         | 866            | 140                        | 210      | 613        | 26    |
| Wright        | 27,038                | 8,900                  | 902   | 7      | 770                   | 1,095         | 2,011                    | 212                         | 1,359          | 435                        | 603      | 1,472      | 34    |

TABLE VI  
WAGE AND SALARY INCOME BY SECTOR IN IOWA BY COUNTY: 1962  
(Thousands of Dollars)

| County      | Total Personal Income | Total Wages & Salaries | Farm  | Mining | Contract Construction | Manu- facturing | Wholesale & Retail Trade | Finan. Real Estate | Trans- portation | Comm. and Public Utilities | Services | Gov- ernment | Other |
|-------------|-----------------------|------------------------|-------|--------|-----------------------|-----------------|--------------------------|--------------------|------------------|----------------------------|----------|--------------|-------|
|             |                       |                        |       |        |                       |                 |                          |                    |                  |                            |          |              |       |
| Adair       | 19,997                | 5,908                  | 468   | 94     | 827                   | 131             | 1,337                    | 188                | 451              | 426                        | 437      | 1,462        | 87    |
| Adams       | 13,030                | 3,966                  | 352   | 13     | 417                   | 168             | 918                      | 121                | 246              | 217                        | 288      | 1,167        | 59    |
| Allamakee   | 26,604                | 10,261                 | 686   | 119    | 1,233                 | 1,645           | 1,983                    | 264                | 376              | 577                        | 985      | 2,173        | 220   |
| Appanoose   | 24,727                | 11,206                 | 304   | 1,027  | 998                   | 1,159           | 1,707                    | 300                | 1,191            | 1,111                      | 941      | 2,405        | 63    |
| Audubon     | 22,604                | 6,361                  | 516   | --     | 699                   | 727             | 1,381                    | 237                | 329              | 251                        | 603      | 1,540        | 78    |
| Benton      | 43,691                | 16,070                 | 1,495 | 63     | 1,388                 | 1,147           | 4,386                    | 443                | 1,454            | 723                        | 1,169    | 3,670        | 132   |
| Black Hawk  | 308,319               | 214,021                | 1,244 | 448    | 7,177                 | 117,002         | 32,475                   | 6,183              | 7,591            | 4,584                      | 14,768   | 22,442       | 107   |
| Boone       | 46,828                | 22,024                 | 861   | 50     | 2,157                 | 2,174           | 4,598                    | 604                | 3,458            | 1,476                      | 2,818    | 3,740        | 88    |
| Bremer      | 40,469                | 21,651                 | 587   | 75     | 1,058                 | 3,684           | 4,140                    | 1,428              | 754              | 709                        | 3,162    | 5,945        | 109   |
| Buchanan    | 34,234                | 14,317                 | 737   | 91     | 1,142                 | 1,054           | 2,482                    | 439                | 846              | 609                        | 1,355    | 5,458        | 104   |
| Buena Vista | 47,246                | 19,958                 | 916   | 13     | 1,068                 | 4,634           | 4,934                    | 730                | 872              | 906                        | 2,478    | 3,310        | 97    |
| Butler      | 27,762                | 9,327                  | 762   | 101    | 1,119                 | 229             | 2,235                    | 376                | 632              | 529                        | 829      | 2,405        | 110   |
| Calhoun     | 28,367                | 9,806                  | 708   | --     | 1,045                 | 509             | 1,964                    | 349                | 781              | 424                        | 1,078    | 2,864        | 84    |
| Carroll     | 49,341                | 17,960                 | 1,024 | 25     | 1,243                 | 2,466           | 5,195                    | 591                | 1,199            | 857                        | 2,335    | 2,916        | 109   |
| Cass        | 39,515                | 16,711                 | 845   | --     | 1,791                 | 2,570           | 4,075                    | 542                | 744              | 848                        | 1,827    | 3,374        | 95    |
| Cedar       | 34,070                | 11,636                 | 1,418 | 38     | 1,283                 | 707             | 2,822                    | 421                | 671              | 334                        | 1,064    | 2,766        | 112   |
| Cerro Gordo | 116,470               | 67,929                 | 1,195 | 145    | 4,002                 | 20,529          | 17,195                   | 2,507              | 3,663            | 2,579                      | 7,360    | 8,659        | 95    |
| Cherokee    | 41,147                | 15,484                 | 1,192 | --     | 880                   | 1,662           | 3,395                    | 484                | 947              | 565                        | 1,498    | 4,763        | 98    |
| Chickasaw   | 23,120                | 7,754                  | 432   | --     | 669                   | 497             | 2,284                    | 255                | 360              | 212                        | 990      | 1,962        | 93    |
| Clarke      | 12,797                | 5,473                  | 320   | 25     | 618                   | 726             | 1,085                    | 121                | 437              | 329                        | 514      | 1,244        | 54    |
| Clay        | 43,750                | 17,788                 | 872   | 63     | 1,156                 | 2,935           | 5,595                    | 764                | 646              | 811                        | 1,895    | 2,946        | 85    |
| Clayton     | 35,106                | 12,788                 | 1,023 | 216    | 1,280                 | 1,580           | 2,131                    | 372                | 1,120            | 621                        | 1,340    | 2,926        | 179   |
| Clinton     | 118,420               | 70,845                 | 1,443 | 72     | 2,913                 | 32,049          | 10,978                   | 2,024              | 4,659            | 1,746                      | 6,005    | 8,800        | 156   |
| Crawford    | 35,819                | 11,912                 | 954   | 38     | 1,095                 | 508             | 3,084                    | 394                | 1,110            | 570                        | 1,130    | 2,913        | 116   |
| Dallas      | 43,758                | 22,453                 | 1,139 | 285    | 1,653                 | 2,735           | 3,473                    | 582                | 2,271            | 1,123                      | 2,457    | 6,637        | 98    |
| Davis       | 12,838                | 4,636                  | 263   | 22     | 477                   | 257             | 794                      | 107                | 337              | 319                        | 464      | 1,492        | 104   |
| Decatur     | 15,147                | 7,322                  | 816   | 88     | 514                   | 156             | 1,312                    | 116                | 466              | 300                        | 2,392    | 1,601        | 61    |
| Delaware    | 33,417                | 10,207                 | 933   | 152    | 1,230                 | 666             | 2,210                    | 228                | 748              | 273                        | 1,049    | 2,574        | 144   |
| Des Moines  | 113,864               | 73,823                 | 694   | 123    | 2,456                 | 32,998          | 13,820                   | 1,612              | 4,499            | 1,678                      | 5,961    | 9,892        | 90    |
| Dickinson   | 22,570                | 9,496                  | 498   | 13     | 1,038                 | 791             | 1,865                    | 215                | 470              | 604                        | 1,689    | 2,200        | 113   |
| Dubuque     | 200,570               | 131,210                | 857   | 303    | 4,129                 | 66,419          | 21,966                   | 4,007              | 4,312            | 3,388                      | 16,902   | 8,785        | 142   |
| Emmet       | 30,662                | 14,748                 | 621   | 25     | 874                   | 4,154           | 3,138                    | 416                | 829              | 558                        | 1,226    | 2,953        | 54    |
| Fayette     | 50,940                | 23,644                 | 956   | 48     | 1,801                 | 3,517           | 4,959                    | 573                | 2,984            | 877                        | 3,826    | 3,936        | 167   |

TABLE Vb (Continued)

Iowa

| County    | Total Personal Income | Total Wages & Salaries | Farm  | Mining | Contract Construction | Manufacturing | Wholesale Retail Trade | Finan. Ins. & Real Estate | Transportation | Comm. and Public Utilities | Services | Gov-ernment | Other |
|-----------|-----------------------|------------------------|-------|--------|-----------------------|---------------|------------------------|---------------------------|----------------|----------------------------|----------|-------------|-------|
| Floyd     | 41,733                | 25,383                 | 1,015 | 28     | 1,105                 | 12,952        | 3,237                  | 510                       | 831            | 650                        | 1,925    | 3,047       | 83    |
| Franklin  | 29,619                | 11,621                 | 1,156 | 57     | 1,169                 | 1,470         | 3,069                  | 296                       | 616            | 390                        | 970      | 2,322       | 106   |
| Fremont   | 16,363                | 6,973                  | 1,065 | 25     | 776                   | 178           | 1,436                  | 287                       | 555            | 265                        | 578      | 1,740       | 68    |
| Greene    | 26,938                | 9,774                  | 901   | 206    | 850                   | 606           | 2,003                  | 345                       | 565            | 548                        | 1,111    | 2,553       | 86    |
| Grundy    | 26,656                | 9,065                  | 974   | 25     | 827                   | 973           | 2,403                  | 336                       | 512            | 329                        | 693      | 1,903       | 90    |
| Guthrie   | 20,705                | 8,107                  | 626   | 25     | 1,126                 | 109           | 1,574                  | 215                       | 575            | 565                        | 628      | 2,577       | 87    |
| Hamilton  | 41,337                | 18,353                 | 1,132 | --     | 1,260                 | 5,117         | 3,927                  | 573                       | 923            | 574                        | 1,620    | 3,125       | 102   |
| Hancock   | 26,793                | 9,923                  | 969   | --     | 964                   | 498           | 2,748                  | 278                       | 585            | 548                        | 745      | 2,493       | 95    |
| Hardin    | 46,968                | 20,218                 | 1,011 | 989    | 1,777                 | 2,763         | 4,672                  | 582                       | 1,126          | 1,020                      | 1,934    | 4,230       | 114   |
| Harrison  | 29,526                | 11,315                 | 770   | 245    | 1,656                 | 373           | 2,314                  | 318                       | 1,266          | 689                        | 909      | 2,680       | 95    |
| Henry     | 33,239                | 15,735                 | 598   | 129    | 1,374                 | 1,076         | 3,094                  | 412                       | 648            | 894                        | 2,696    | 4,748       | 66    |
| Howard    | 19,162                | 6,931                  | 389   | 31     | 914                   | 320           | 1,756                  | 184                       | 402            | 317                        | 965      | 1,568       | 85    |
| Humboldt  | 24,250                | 10,088                 | 756   | 113    | 860                   | 1,457         | 2,186                  | 309                       | 520            | 777                        | 985      | 2,055       | 70    |
| Ida       | 26,245                | 6,603                  | 700   | --     | 605                   | 512           | 1,579                  | 269                       | 407            | 292                        | 665      | 1,504       | 70    |
| Iowa      | 36,174                | 18,589                 | 1,345 | --     | 1,015                 | 5,793         | 5,802                  | 300                       | 419            | 229                        | 1,132    | 2,458       | 96    |
| Jackson   | 40,616                | 21,000                 | 762   | 173    | 974                   | 9,272         | 2,852                  | 1,245                     | 842            | 645                        | 1,234    | 2,803       | 198   |
| Jasper    | 81,419                | 48,605                 | 930   | 139    | 2,006                 | 29,155        | 5,792                  | 819                       | 1,045          | 1,169                      | 2,345    | 5,087       | 118   |
| Jefferson | 31,543                | 18,170                 | 411   | 41     | 921                   | 6,534         | 2,506                  | 376                       | 730            | 672                        | 3,328    | 2,591       | 60    |
| Johnson   | 108,271               | 68,662                 | 1,053 | 201    | 2,950                 | 4,157         | 11,636                 | 1,281                     | 1,909          | 1,690                      | 6,225    | 37,236      | 124   |
| Jones     | 36,094                | 13,734                 | 1,124 | 143    | 991                   | 1,643         | 2,876                  | 345                       | 699            | 748                        | 1,199    | 3,864       | 102   |
| Keokuk    | 25,849                | 9,463                  | 778   | 50     | 1,021                 | 725           | 1,855                  | 331                       | 628            | 748                        | 974      | 2,264       | 89    |
| Kossuth   | 47,313                | 15,867                 | 1,431 | 9      | 1,367                 | 1,333         | 4,554                  | 640                       | 766            | 565                        | 1,838    | 3,210       | 154   |
| Lee       | 93,183                | 59,059                 | 690   | 50     | 2,160                 | 28,850        | 7,204                  | 1,110                     | 4,726          | 2,060                      | 4,756    | 7,348       | 105   |
| Linn      | 365,736               | 248,710                | 1,463 | 1,308  | 9,397                 | 117,256       | 48,925                 | 12,228                    | 8,008          | 6,164                      | 22,883   | 20,918      | 160   |
| Louisia   | 17,616                | 6,682                  | 754   | 50     | 695                   | 244           | 1,357                  | 175                       | 510            | 348                        | 521      | 1,959       | 69    |
| Lucas     | 20,505                | 9,706                  | 300   | 50     | 759                   | 902           | 3,296                  | 201                       | 722            | 339                        | 1,151    | 1,917       | 69    |
| Lyon      | 28,407                | 7,826                  | 827   | --     | 659                   | 379           | 1,747                  | 255                       | 547            | 448                        | 807      | 2,057       | 100   |
| Madison   | 20,285                | 8,384                  | 626   | 998    | 897                   | 71            | 1,845                  | 246                       | 423            | 516                        | 796      | 1,887       | 79    |
| Mahaska   | 45,507                | 19,532                 | 847   | 613    | 1,798                 | 3,218         | 4,179                  | 672                       | 1,425          | 982                        | 2,632    | 3,062       | 104   |
| Marion    | 52,505                | 27,203                 | 562   | 1,561  | 1,529                 | 4,266         | 3,360                  | 569                       | 842            | 908                        | 2,634    | 10,888      | 84    |
| Marshall  | 91,033                | 53,244                 | 1,213 | 88     | 2,063                 | 23,932        | 9,004                  | 1,218                     | 2,917          | 1,542                      | 4,565    | 6,600       | 102   |
| Mills     | 24,281                | 10,720                 | 850   | 13     | 662                   | 1,152         | 1,732                  | 237                       | 921            | 509                        | 985      | 3,600       | 59    |
| Mitchell  | 27,155                | 8,903                  | 969   | 210    | 887                   | 368           | 2,112                  | 309                       | 502            | 412                        | 1,002    | 2,054       | 78    |
| Monona    | 22,322                | 9,396                  | 938   | 57     | 1,210                 | 95            | 2,131                  | 304                       | 526            | 509                        | 846      | 2,694       | 86    |



TABLE Vb (Concluded)

| County        | Total Personal Income | Total Wages & Salaries | Farm  | Mining | Contract Construction | Manufacturing | Wholesale & Retail Trade | Finan. & Real Estate | Transportation | Comm. and Public Utilities | Services | Government | Other |
|---------------|-----------------------|------------------------|-------|--------|-----------------------|---------------|--------------------------|----------------------|----------------|----------------------------|----------|------------|-------|
| Monroe        | 13,461                | 5,583                  | 199   | 346    | 648                   | 167           | 1,041                    | 125                  | 665            | 419                        | 540      | 1,382      | 51    |
| Montgomery    | 30,193                | 13,682                 | 596   | 38     | 927                   | 3,318         | 2,901                    | 439                  | 880            | 896                        | 1,146    | 2,476      | 65    |
| Muscatine     | 64,621                | 37,422                 | 1,034 | 433    | 1,878                 | 15,706        | 5,945                    | 819                  | 1,281          | 1,481                      | 3,956    | 4,786      | 103   |
| O'Brien       | 37,700                | 12,402                 | 891   | --     | 702                   | 1,198         | 2,862                    | 336                  | 823            | 869                        | 1,448    | 2,943      | 95    |
| Osceola       | 19,550                | 6,460                  | 556   | 13     | 702                   | 956           | 1,337                    | 197                  | 400            | 275                        | 517      | 1,441      | 66    |
| Page          | 44,761                | 20,238                 | 2,182 | --     | 1,085                 | 1,628         | 5,038                    | 645                  | 913            | 1,089                      | 2,445    | 5,118      | 95    |
| Palo Alto     | 26,688                | 9,325                  | 756   | --     | 914                   | 377           | 2,378                    | 322                  | 563            | 485                        | 1,056    | 2,388      | 86    |
| Plymouth      | 55,929                | 16,056                 | 1,412 | 38     | 1,374                 | 1,121         | 3,592                    | 631                  | 970            | 701                        | 2,967    | 3,109      | 141   |
| Pocahontas    | 29,401                | 8,845                  | 807   | 50     | 726                   | 672           | 2,506                    | 242                  | 537            | 373                        | 894      | 1,950      | 88    |
| Polk          | 829,121               | 531,789                | 1,454 | 879    | 19,605                | 140,942       | 127,863                  | 63,520               | 19,420         | 15,938                     | 60,791   | 81,192     | 194   |
| Pottawattamie | 156,588               | 77,516                 | 1,998 | 135    | 6,165                 | 9,274         | 14,249                   | 2,821                | 17,719         | 4,408                      | 7,299    | 13,294     | 154   |
| Poweshiek     | 38,220                | 17,187                 | 810   | 13     | 991                   | 1,636         | 3,720                    | 949                  | 807            | 1,091                      | 4,375    | 2,704      | 91    |
| Ringgold      | 11,148                | 4,195                  | 452   | 16     | 299                   | 44            | 873                      | 134                  | 311            | 256                        | 313      | 1,420      | 77    |
| Scott         | 39,375                | 11,449                 | 1,233 | 13     | 1,149                 | 1,505         | 2,492                    | 425                  | 594            | 397                        | 885      | 2,649      | 107   |
| Shelby        | 302,742               | 188,340                | 1,275 | 429    | 7,405                 | 76,246        | 42,530                   | 9,635                | 5,538          | 5,497                      | 21,566   | 18,085     | 134   |
| Sioux         | 35,785                | 9,435                  | 903   | 16     | 964                   | 470           | 2,561                    | 381                  | 604            | 395                        | 1,178    | 1,864      | 99    |
| Story         | 55,032                | 16,795                 | 1,306 | 85     | 1,556                 | 2,215         | 4,070                    | 618                  | 994            | 743                        | 2,041    | 3,023      | 144   |
| Tama          | 103,689               | 64,775                 | 1,251 | 273    | 6,004                 | 4,039         | 9,453                    | 1,437                | 1,454          | 1,624                      | 5,099    | 34,007     | 134   |
| Taylor        | 40,637                | 14,942                 | 1,144 | 22     | 1,451                 | 1,679         | 3,251                    | 470                  | 1,201          | 740                        | 1,242    | 3,609      | 133   |
| Union         | 16,200                | 5,930                  | 426   | 25     | 491                   | 427           | 1,203                    | 224                  | 396            | 265                        | 591      | 1,746      | 76    |
| Van Buren     | 24,155                | 11,538                 | 423   | --     | 1,018                 | 644           | 2,536                    | 322                  | 1,683          | 835                        | 1,178    | 2,843      | 56    |
| Wapello       | 14,648                | 5,992                  | 326   | 282    | 622                   | 818           | 933                      | 143                  | 431            | 256                        | 473      | 1,643      | 65    |
| Warren        | 110,566               | 77,288                 | 433   | 303    | 2,681                 | 40,607        | 12,295                   | 2,037                | 4,665          | 2,336                      | 5,000    | 6,870      | 61    |
| Washington    | 29,567                | 14,576                 | 696   | 63     | 1,623                 | 449           | 3,064                    | 421                  | 848            | 938                        | 2,712    | 3,681      | 81    |
| Wayne         | 38,397                | 14,432                 | 927   | 9      | 1,371                 | 2,023         | 3,444                    | 461                  | 876            | 716                        | 1,687    | 2,814      | 104   |
| Webster       | 14,889                | 5,981                  | 437   | 63     | 480                   | 398           | 1,238                    | 152                  | 620            | 343                        | 492      | 1,685      | 73    |
| Winneshiek    | 107,738               | 65,588                 | 1,048 | 746    | 2,627                 | 23,298        | 16,770                   | 2,539                | 3,283          | 1,992                      | 5,931    | 7,246      | 108   |
| Woodbury      | 21,277                | 8,700                  | 574   | --     | 941                   | 523           | 2,161                    | 246                  | 348            | 448                        | 1,206    | 2,182      | 71    |
| Worth         | 38,206                | 15,552                 | 936   | 72     | 1,666                 | 1,036         | 2,990                    | 739                  | 756            | 745                        | 3,986    | 2,475      | 151   |
| Wright        | 291,062               | 176,423                | 1,424 | 143    | 7,405                 | 46,061        | 45,269                   | 8,167                | 9,561          | 5,246                      | 19,036   | 33,938     | 173   |
|               | 17,694                | 5,884                  | 530   | 68     | 554                   | 188           | 1,021                    | 201                  | 966            | 197                        | 530      | 1,558      | 71    |
|               | 37,002                | 15,604                 | 995   | 25     | 1,085                 | 2,402         | 3,469                    | 412                  | 1,805          | 811                        | 1,303    | 3,206      | 91    |

APPENDIX A

PROCEDURES FOR ESTIMATING FARM INCOME

The following items were allocated to arrive at "Farm Income":

A. Realized Gross Farm Income

1. Cash receipts from Farm Marketings:

Livestock:

Cattle and calves,  
Hogs,  
Dairy products,  
Eggs,  
Turkeys,  
Chickens (including broilers),  
Sheep and lambs,  
Wool, and  
Other livestock and products.

Crops:

Corn,  
Soybeans,  
Oats,  
Wheat,  
Barley,  
Rye,  
Hay,  
Flaxseed,  
Popcorn,  
Red clover seed,  
Timothy seed,  
Bluegrass seed,  
Sorghums,  
Vegetable crops,  
Greenhouse and nursery products,  
Forest products, and  
Other crops.

2. Government payments
3. Value of home consumption
4. Gross rental value of farm dwellings

B. Farm Production Expenses

1. Current farm operating expenses:
  - Feed,
  - Livestock,
  - Seed,
  - Fertilizer and lime,
  - Repairs and operation of capital items,
  - Hired labor, and
  - Miscellaneous.
2. Depreciation
3. Taxes on farm property
4. Interest on farm mortgage debt
5. Net rent to nonfarm landlords

C. Realized Net Farm Income

D. Net Change in Farm Inventories

E. Total Net Farm Income

A. Realized Gross Farm Income

1. Cash Receipts from Farm Marketings:

Livestock:

Cattle and calves: The percentage of total receipts from the sale of cattle and calves derived from each of the two components--beef cattle and dairy cattle--was determined through trial and error. Cash receipts from the sale of beef cattle were allocated on the basis of the number of "grain-fed cattle marketed" according to the Iowa Assessors' Annual Farm Census. Cash receipts from the sale of dairy cattle were allocated on the basis of the number of "milk cows" according to the Iowa Assessors' Annual Farm Census.

Hogs: Cash receipts from the sale of hogs were allocated to counties on the basis of the number of pigs farrowed each year according to the Iowa Assessors' Annual Farm Census. Because a larger number of pigs are farrowed in the spring than in the fall, the spring farrowings were weighted by 0.95, and the fall farrowings were weighted by 1.00 before making the allocations. This adjusted for price variance.

Dairy products: Cash receipts from the sale of dairy products were allocated according to "Cash Receipts from the Sale of Dairy Products" from the U. S. Census of Agriculture. Cash receipts for 1954 and 1959 were allocated directly from the data listed in the census. All other years were allocated according to an average of the three census years (1949, 1954 and 1959).

Eggs: Cash receipts from the sale of eggs were allocated according to the "Number of Hens and Pullets on Hand" as listed in the Iowa Assessors' Annual Farm Census.

Turkeys: Cash receipts from the sale of turkeys were allocated according to the "Number of Turkeys Raised" by county each year according to the Iowa Assessors' Annual Farm Census.

Chickens (including broilers): The U. S. Census of Agriculture lists separate data for "Number of Broilers Sold" and "Number of Chickens Sold" for 1954 and 1959. Thus, income from the sale of broilers and income from the sale of chickens were allocated separately according to data found in that source. For all other years, total state cash receipts (from chickens and broilers) were allocated according to the "Number of Chickens Raised" according to the Iowa Assessors' Annual Farm Census.

Sheep and lambs: Cash receipts from the sale of sheep and lambs were allocated according to data from the U. S. Census of Agriculture for "Income from Sheep Sold" by county. For 1954 and 1959 cash receipts were allocated directly according to the census data. For all other years, allocations were made according to an average of the three census years (1949, 1954 and 1959).

Wool: Cash receipts from the sale of wool were allocated according to "Pounds of Wool Shorn" in each county as listed in the U. S. Census of Agriculture. For 1954 and 1959 cash receipts were allocated directly according to the census data. For all other years, allocations were made according to an average of the three census years (1949, 1954 and 1959).

Other livestock: Other livestock includes such commodities as beeswax, honey, rabbits, minks, horses and mules, turkey eggs, other poultry, and miscellaneous livestock. Specific data for production of these commodities by county in Iowa are unavailable. Therefore, we were not able to break this commodity down further. Thus, total cash receipts from the sale of other livestock were allocated according to the "Number of Farms" in each county as listed in the Iowa Assessors' Annual Farm Census.

#### Crops:

Corn: Cash receipts from the sale of corn were allocated according to "Corn Harvested for All Purposes--Bushels" as listed in the Iowa Assessors' Annual Farm Census. (For 1960, 1961 and 1962, the number of acres harvested must be multiplied by yield per acre (in bushels) to arrive at the number of bushels harvested.)

Soybeans: Cash receipts from the sale of soybeans were allocated according to the figures for "Soybeans for Beans--Production, Bushels" as listed in the Iowa Assessors' Annual Farm Census.

Oats: Cash receipts from the sale of oats were allocated according to "Oats Production--Bushels" as listed in the Iowa Assessors' Annual Farm Census.

Wheat: The variation between spring wheat produced and winter wheat produced does not seem to be significant in Iowa. Therefore, cash receipts from the sale of all wheat were allocated according to the county figures for "All Wheat--Production, Bushels" as listed in the Iowa Assessors' Annual Farm Census.

Barley: Cash receipts from the sale of barley were allocated according to the "Barley Acreage Harvested" as listed in the Iowa Assessors' Annual Farm Census.

Rye: Cash receipts from the sale of rye were allocated according to the "Rye Acreage Harvested" as listed in the Iowa Assessors' Annual Farm Census.

Hay: There is no significant relationship between hay produced and hay sold; allocations were therefore made according to data on the sale of hay as listed in the U. S. Census of Agriculture. For 1954 and 1959 cash receipts from the sale of hay were allocated according to "Hay Sold, Tons" as listed in the census. For all other years, allocations were made according to an average of the three census years (1949, 1954 and 1959).

Flaxseed: Cash receipts from the sale of flaxseed were allocated according to "Flaxseed Production, Bushels" as listed in the Iowa Assessors' Annual Farm Census.

Popcorn: Cash receipts from the sale of popcorn were allocated according to "Popcorn Harvested, Pounds" as listed in the U. S. Census of Agriculture. For 1954 and 1959, allocations were made directly from the census data. For all other years, allocations were made according to an average of the three census years (1949, 1954 and 1959).

Red clover seed: Cash receipts from the sale of red clover seed were allocated according to the figures for "Red Clover Seed Production" as listed in the Iowa Assessors' Annual Farm Census. (For 1950 - 1956 production is listed in bushels, and for 1957 - 1962 production is listed in pounds.)

Timothy seed: Cash receipts from the sale of timothy seed were allocated according to the figures for "Timothy Seed Production" as listed in the Iowa Assessors' Annual Farm Census. (For 1950 - 1956 production is listed in bushels, and for 1957 - 1962 production is listed in pounds.)

Bluegrass seed: Cash receipts from the sale of bluegrass seed were allocated according to "Pounds, Seed Harvested" as listed in the U. S. Census of Agriculture. For 1954 and 1959, allocations were made directly from the census. For all other years, allocations were made according to the data for the nearest census year, as follows:

1950 - 1951, use 1949 census data.

1952, 1953, 1955 and 1956, use 1954 census data.

1957, 1958 and 1960 - 1962, use 1959 census data.

The nearest census year's data were used because production of this commodity is not very constant (among counties) over a period of time.

Sorghums: Basically, there are two types of sorghum raised in Iowa--milo (which is raised for grain) and Waconia (which is used for sirup). Because of the large sirup plant located in Cedar Rapids, Iowa, Linn County consistently produces approximately 85 per cent of all sorghum for sirup. Therefore, 85 per cent of all cash receipts from the sale of sirup was allocated directly to Linn County. The remaining 15 per cent of cash receipts from the sale of sorghum for sirup plus all the cash receipts from the sale of sorghum grain were allocated according to "All Sorghum Acreage Harvested" as listed in the Iowa Assessors' Annual Farm Census. (Note: Linn County's acreage was listed as 15 per cent of the figure which appeared in the annual census.)

Vegetable crops: Cash receipts from the sale of vegetable crops were allocated according to the county figures for "Dollar Value of Vegetables Harvested for Sale" according to the U. S. Census of Agriculture. Cash receipts for 1954 and 1959 were allocated directly from the census data. Because income from the sale of vegetable crops is not consistent at the county level over time, cash receipts from vegetable crops for all other years was allocated according to the data for the nearest census year as follows:

1950 - 1951, use 1949 census data.  
1952, 1953, 1955 and 1956, use 1954 census data.  
1957, 1958, and 1960 - 1962, use 1959 census data.

Greenhouse and nursery products: Cash receipts from the sale of greenhouse and nursery products were allocated according to the county figures for "Dollar Value of Nursery and Greenhouse Products Sold" as listed in the U. S. Census of Agriculture. Cash receipts for 1954 and 1959 were allocated directly from the census data. For all other years, an average of the three census years (1949, 1954 and 1959) was used.

Forest products: Cash receipts from the sale of forest products were allocated according to the county figures for "Dollar Value of Forest Products Sold" as listed in the U. S. Census of Agriculture. Cash receipts for 1954 and 1959 were allocated directly from the census data. For all other years, allocations were made according to the data from the nearest census year as follows:

1950 - 1951, use 1949 census data.  
1952, 1953, 1955 and 1956, use 1954 census data.  
1957, 1958, and 1960 - 1962, use 1959 census data.



Other crops: According to the United States Department of Agriculture, the following items would be included in the other crops item for Iowa: bromegrass seed, sweetclover seed, cantaloupes, apples, watermelons, grapes, strawberries, other fruits, cucumbers, green peas, sweet potatoes, miscellaneous vegetables, alfalfa seed, other seeds, sugar beets, and miscellaneous crops. Although the state total cash receipts for any one of these items was small relative to the total cash receipts from all commodities, analyses proved that most of these commodities are grown in only a few counties; therefore, the counties which are highly specialized in any one or several of these commodities would have cash receipts understated if these commodities were not allocated separately. Therefore, separate allocations were made for the following commodities according to data listed in the U. S. Census of Agriculture: bromegrass seed, cantaloupes, apples, watermelons, grapes, strawberries, cucumbers and green peas. Cash receipts for 1954 and 1959 were allocated directly from the census data. For all other years, allocations were made according to an average of the three census years (1949, 1954 and 1959). The balance of cash receipts from other crops was allocated according to "Other Crops--Acreage Harvested" as listed in the Iowa Assessors' Annual Farm Census.

2. Government Payments: Payments made to farmers by the Federal Government for their participation in farm programs are reported for each state from the fiscal records of the Commodity Stabilization Service. The data for counties in Iowa were secured from the Iowa Agricultural Stabilization and Conservation Committee. Allocations of Government payments were made according to these data. For the years, 1950 - 1955 and 1959 - 1962, allocations were made according to the Agricultural Conservation Program payments for each county. For 1956 - 1958 (when the Soil Bank Act of 1956 was in effect), allocations were made according to the sum of Agricultural Conservation Program payments and Acreage Reserve payments.

3. Value of Home Consumption: State totals for value of home consumption for each year were allocated according to the county figures for "Number of Persons Living on Farms" as listed in the Iowa Assessors' Annual Farm Census.

4. Gross Rental Value of Farm Dwellings: This component of gross income covers housing on owner- and tenant-occupied farms. (Rent paid by tenants on farm dwellings is counted as part of the production expenses which are deducted from gross income to arrive at net income.) Gross rental value of farm dwellings was allocated according to the product of "Average Value of Land and Buildings" as reported in the U. S. Census of Agriculture (1950, 1954 and 1959 were allocated directly; for all other years, an average of the three census years--1950, 1954 and 1959--was used.) multiplied by "Number of Farms" per county as listed in the Iowa Assessors' Annual Farm Census. The

two assumptions were: (1) that the value of farm homes is related to the value of all farm land and buildings; and (2) that rental rates do not vary over the state.

B. Farm Production Expenses

1. Current Farm Operating Expenses:

Feed: State totals for feed expenses were allocated according to the county figures for "Feed for Livestock and Poultry" as listed in the U. S. Census of Agriculture. Expenses for 1954 and 1959 were allocated directly; for all other years an average of the three census years (1949, 1954 and 1959) was used.

Livestock: State totals for livestock expenses were allocated according to the county figures for "Expenditures for Livestock Purchased" as listed in the U. S. Census of Agriculture. Expenses for 1954 and 1959 were allocated directly; for all other years an average of the three census years (1949, 1954 and 1959) was used.

Seed: State totals for seed expenses were allocated according to the county values for "Cash Receipts from Crops" which were derived by allocation. (The methodology for allocating "Cash Receipts from Crops" was outlined in Items 10 - 26 under "1. Cash Receipts from Farm Marketing"--see p. 33.)

Fertilizer and lime: State totals for expenditures for fertilizer and for lime were allocated separately according to data given in the Iowa Assessors' Annual Farm Census. The expenses for fertilizer were allocated according to county figures for "Commercial Fertilizer Applied--Tons;" expenses for lime were allocated according to county figures for "Limestone Applied--Tons."

Repairs and operation of capital items: The U. S. Department of Agriculture furnished a breakdown of this component with yearly expense estimates as follows:

Building Repair and Maintenance  
Petroleum Fuel and Oil  
Other Motor Vehicle Operation  
Autos  
Trucks  
Tractors  
Repairs to Other Farm Machinery

Building repair and maintenance expenses were allocated according to "Reported Taxable Value of Farm Buildings" as reported in the annual Iowa State Tax Commission Report.

Petroleum fuel and oil expenses were allocated according to "Expenditures for Petroleum and Fuel" as reported in the U. S. Census of Agriculture. Expenses for 1954 and 1959 were allocated directly; for all other years an average of the three census years (1949, 1954 and 1959) was used.

Expenses for repair and operation of autos, trucks, and tractors were allocated separately as follows:

Expenses for the operation of automobiles were allocated according to the county figures for "Number of Automobiles on Farms" as listed in the U. S. Census of Agriculture for the years, 1950, 1954 and 1959. Allocations were made directly from the census data for those years; for all other years, an average of 1950, 1954 and 1959 was used.

Expenses for the operation of trucks on farms were allocated according to the "Number of Motor Trucks" as listed in the Iowa Assessors' Annual Farm Census.

Expenses for the operation of tractors on farms were allocated according to the "Number of Tractors" as listed in the Iowa Assessors' Annual Farm Census.

Expenses for repairs to other farm machinery were allocated according to yearly "Other Farm Machinery Allocators" which were derived by weighting the average current market value and approximate average life of grain combines, corn pickers and hay balers. The assigned weights were multiplied by the number of each of these machines as listed in the Iowa Assessors' Annual Farm Census.

Hired labor: State totals for expenses for hired labor were allocated according to "Cash Wages Paid to Hired Labor--Dollars" as listed in the U. S. Census of Agriculture. Expenses for 1954 and 1959 were allocated directly from data listed in the census. For all other years, allocations were made according to the data from the nearest census year as follows:

1950 - 1951, use 1949 census data.

1952, 1953, 1955 and 1956, use 1954 census data.

1957, 1958 and 1960 - 1962, use 1959 census data.

Miscellaneous: An examination of this expense item reveals that two expense items (short-term interest, and veterinarian service and medicine) account for nearly one-half of the total miscellaneous expenses each year. Therefore, these items were made separately from the remainder of miscellaneous expenses. Short-term interest, assumed to be paid for the purpose of securing money to purchase livestock, in most cases, was allocated according to the county values for "Cash Receipts from Livestock" which were derived by allocation. (The methodology for allocating "Cash Receipts from Livestock" was outlined in Item A-1, "Cash Receipts from Farm Marketings" under "Livestock," see p. 33.) Expenses for veterinary service and medicine were also allocated according to the county values for "Cash Receipts from Livestock." All other miscellaneous expense included: pesticides, cotton ginning, blacksmithing; and miscellaneous hardware, containers, electricity, insurance, livestock marketing services, irrigation, binding materials, telephones, greenhouse and nursery products, dairy supplies, small hand tools, harness and saddlery, tolls for sirup, grazing fees, crop insurance, milk hauling, horses and mules, and warehouse storage. Because no data were available for allocating any of these items separately, this residual of miscellaneous expense was allocated according to "Number of Farms" in each county as reported in the Iowa Assessors' Annual Farm Census.

2. Depreciation: The U. S. Department of Agriculture furnished a breakdown of this component with yearly expense estimates as follows:

Building Depreciation  
Motor Vehicle Depreciation  
Autos  
Trucks  
Tractors  
Other Farm Machinery Depreciation

Building depreciation expenses were allocated according to "Reported Taxable Value of Farm Buildings" as reported in the annual Iowa State Tax Commission Report.

Depreciation expenses for autos, trucks, and tractors were allocated separately as follows:

Depreciation expenses for automobiles on farms were allocated according to the county figures for "Number of Automobiles on Farms" as listed in the U. S. Census of Agriculture for the years 1950, 1954 and 1959. Allocations were made directly from census data for those years; for all other years, an average of 1950, 1954 and 1959 was used.

Depreciation expenses for trucks on farms were allocated according to the "Number of Motor Trucks" as listed in the Iowa Assessors' Annual Farm Census.

Depreciation expenses for tractors on farms were allocated according to the "Number of Tractors" as listed in the Iowa Assessors' Annual Farm Census.

Depreciation expenses for other farm machinery were allocated according to yearly "Other Farm Machinery Allocators" which were derived by weighting the average current market value and approximate average life of grain combines, corn pickers, and hay balers. The assigned weights were multiplied by the number of each of these machines as listed in the Iowa Assessors' Annual Farm Census.

3. Taxes on Farm Property: State total expenses for taxes on farm property were allocated according to the county figures for "Net Amount of Tax Levied (exclusive of Moneys and Credits Tax)" as listed in Part II of the annual Iowa State Tax Commission Report.

4. Interest on Farm Mortgage Debt: Because no data were available on amounts of farm mortgage debt outstanding at any given time, the assumption was made that this expense is related to the value of farm land and buildings. (Implicit in this assumption are two further assumptions: (1) that the same proportion of total value of land and buildings in each county is mortgaged; and (2) that mortgage interest rates do not vary over the state.) Therefore, expenses for interest on farm mortgage debt were allocated according to the product of "Value of Farm Land and Buildings (average per acre)" as reported in the U. S. Census of Agriculture (1950, 1954 and 1959 were allocated directly; for all other years, an average of the three census years--1950, 1954 and 1959--was used, multiplied by "Total Land in Farms--Acres" for each county as listed in the Iowa Assessors' Annual Farm Census.)

5. Net Rent to Nonfarm Landlords: Net rent paid to nonfarm landlords was allocated according to the product of "Acreage Rented by Operator" for each county as listed in the Iowa Assessors' Annual Farm Census multiplied by the "Value (per acre) of Farm Land and Buildings" for each county as listed in the U. S. Census of Agriculture. The value of land and buildings was taken directly from the census for 1950, 1954 and 1959. For all other years, the average of the three census years' data was used.

C. Realized Net Farm Income

These figures for each county are derived by subtracting the total of "B. Farm Production Expenses" from the total of "A. Realized Gross Farm Income."

D. Net Change in Farm Inventories

A breakdown of net changes in farm inventories annually by commodity was secured from the U. S. Department of Agriculture. The most consistent and significant changes in inventories occurred in the following crop and livestock commodities: cattle, hogs, chickens, corn, soybeans, oats and hay. These changes were allocated according to the total cash receipts for each commodity (which reflected annual production). The balance was allocated according to "Number of Farms" per county as listed in the Iowa Assessors' Annual Farm Census. The plus and/or minus changes were then summed to arrive at net inventory change in each county.

E. Total Net Farm Income

To arrive at county estimates of total net farm income for each year, the figures for "Net Change in Farm Inventories" were subtracted from or added to the figures for "Realized Net Farm Income."

APPENDIX B

DATA SOURCES

PUBLISHED DATA

"Additional Report of the Joint Committee on Reduction of Non-essential Federal Expenditures," Congress of the United States, Senate Committee Print, U. S. Government Printing Office, Washington, D. C., 1950 and 1960.

County Business Patterns, Part 5A, West North Central States, U. S. Bureau of the Census, U. S. Government Printing Office, Washington, D. C., 1951, 1953, 1956, 1959 and 1962.

County and City Data Book, a yearly supplement to the Statistical Abstract, U. S. Bureau of the Census, U. S. Government Printing Office, Washington, D. C.

Farm Income, a supplement to The Farm Income Situation (state estimates), U. S. Department of Agriculture, Economic Research Service, yearly.

Iowa Assessors' Annual Farm Census, Iowa Department of Agriculture, Iowa Crop and Livestock Reporting Service, Des Moines, Iowa, 1950 - 1962.

Iowa County Finances (biennial report), Auditor of State, State of Iowa, Des Moines, Iowa, 1949, 1954, 1959 and 1962.

Iowa Municipal Finances, report of the State Supervisor of Municipal Accounts, State Auditor's Office, State of Iowa, Des Moines, Iowa, 1949, 1954, 1959 and 1962.

Iowa State Tax Commission Report, Iowa State Tax Commission, State of Iowa, Des Moines, Iowa, 1950 - 1962.

Personal Income by States, a supplement to the Survey of Current Business, U. S. Department of Commerce, Office of Business Economics, U. S. Government Printing Office, Washington, D. C., 1956.

Professional Service Directories (secured from the respective Iowa professional associations) for the following:

|               |               |
|---------------|---------------|
| Physicians    | Veterinarians |
| Lawyers       | Optometrists  |
| Dentists      | Osteopaths    |
| Psychiatrists | Chiropractors |
| Neurologists  |               |



Salary Book, List of Employees of the State of Iowa, State of Iowa, Des Moines, Iowa, 1949, 1954, 1959 and 1962.

Survey of Current Business, U. S. Department of Commerce, Office of Business Economics, U. S. Government Printing Office, Washington, D. C., yearly.

U. S. Census of Agriculture, Iowa, U. S. Department of Commerce, Bureau of the Census, U. S. Government Printing Office, Washington, D. C., 1950, 1954 and 1959.

U. S. Census of Business, Retail Trade, U. S. Department of Commerce, Bureau of the Census, Washington, D. C., 1954 and 1958.

U. S. Census of Business, Selected Service Trades, U. S. Department of Commerce, Bureau of the Census, Washington, D. C., 1948, 1954 and 1958.

U. S. Census of Business, Wholesale Trade, U. S. Department of Commerce, Bureau of the Census, Washington, D. C., 1954 and 1958.

U. S. Census of Housing, U. S. Department of Commerce, Bureau of the Census, U. S. Government Printing Office, Washington, D. C., 1950 and 1960.

U. S. Census of Manufactures, U. S. Department of Commerce, Bureau of the Census, U. S. Government Printing Office, Washington, D. C., 1947, 1954 and 1958.

U. S. Census of Mineral Industries, U. S. Department of Commerce, Bureau of the Census, U. S. Government Printing Office, Washington, D. C., 1954 and 1958.

U. S. Census of Population, Iowa, U. S. Department of Commerce, Bureau of the Census, U. S. Government Printing Office, Washington, D. C., 1940, 1950 and 1960.

UNPUBLISHED DATA

Unpublished data were secured from the following sources:

Bureau of Old Age and Survivors Insurance (OASI payments).

Iowa Agricultural Stabilization and Conservation Committee (conservation and acreage reserve payments).

Iowa State Department of Public Instruction (wages and salaries paid in school districts).

Iowa Employment Security Commission (wage and salary data by industry).

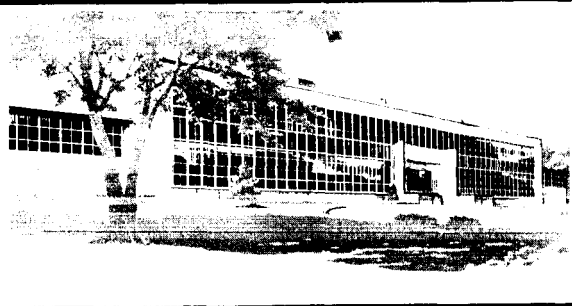
Private colleges in Iowa (wages and salaries paid).

State Department of Social Welfare (relief payments).

State Unemployment Compensation Program (unemployment compensation for veterans).

U. S. Department of Agriculture, Economic Research Service (break-down of farm income and expense components).

U. S. military departments (military employment by installation and by reserve unit in Iowa).



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