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The primary purpose of this report is to assist State and local education associations in their efforts to improve the compensation of teachers at all levels -- elementary, secondary, and higher education. This compendium of currently available data provides a single source of technical information for assessing and comparing the economic position of teachers with that of professionals in other fields. It also contains information for comparing the present and past salaries of teachers with the wages paid to workers in industry and others. The report, consisting of 92 tables and a minimum of text, is designed as a handbook covering the latest available information on salaries of the instructional staff, earnings in comparable occupations, and information on trends in income and family budgets. Trend data are included wherever possible. Since the condition of the national economy has a direct bearing on the economic status of the teaching profession, a section is included to show trends in some of the most significant national economic indicators. (For a related article, see EJ 020 039.) (Author)

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RESEARCH REPORT 1972-R2

Economic Status of the Teaching Profession, 1971-72

EA 004 459

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FOREWORD

The primary purpose of this report on the economic status of the teaching profession is to assist state and local education associations in their efforts to improve the compensation of teachers at all levels—elementary, secondary, and higher education. This compendium of currently available data provides a single source of technical information for assessing and comparing the economic position of teachers with that of professionals in other fields. It also contains information for comparing the present and past salaries of teachers with the wages paid to workers in industry and other occupations.

The report, consisting of 92 tables and a minimum of text, is designed as a handbook covering the latest available information on salaries of the instructional staff, earnings in comparable occupations, and information on trends in income and family budgets. Trend data are included wherever possible.

Since the condition of our national economy has a direct bearing on the economic status of the teaching profession, a section is included to show trends in some of the most significant national economic indicators.

The tables and text were prepared by Gertrude N. Stieber, Senior Professional Associate.

Glen Robinson
Director, Research Division

INTRODUCTION AND HIGHLIGHTS

THE TABLES AND BRIEF descriptive text which follow are divided into five major sections. The first, "Significant Economic Indicators," concerns trends in series of data which measure the condition of our national economy. National income and product tables, manpower output, employment and unemployment, consumer prices, and data on family budgets are included in Section I.

Section II concerns information on salaries paid members of the teaching profession in elementary and secondary public schools, and the faculties of degree-granting colleges and universities, and public junior colleges. Salary trends are shown on the basis of both salaries *paid* and salaries *scheduled*.

The third section provides available information on comparisons of salaries of the teaching profession with earnings of other professional groups. Comparable earnings data are very limited in amount, and this section of the report brings together all of the reasonably current information which could be found.

Section III is further subdivided into tabulations covering salary differences by sex, educational attainment, and earnings of beginning inexperienced teachers and other workers.

Section IV provides a limited amount of information on family and household incomes on national, state, and regional bases. Such information has significance in arriving at fair and equitable earnings scales for the teaching profession.

Section V covers selected information on weekly and hourly earnings of major elements of the work force compared with the estimated average weekly earnings of teachers. It also includes information on the distribution of usual weekly earnings by sex, and the latest information on the new Hourly Earnings Index.

HIGHLIGHTS

1. For a moderate standard of living for a family of four living in the city in the spring of 1971 it was estimated that the annual cost would be \$10,971. The average salary paid public-school teachers in 1970-71 was \$9,269, which is 83.4 percent of the requirement for a moderate standard of living.

2. In 1952-53, only 13.0 percent of all teachers in public elementary and secondary schools were paid \$4,500 or more, while 62.0 percent received less than \$3,500. In 1971-72, 46.5 percent received \$9,500 or more; in fact, 22.7 percent received \$11,500 or more.

3. State and sectional differences in salaries for the teaching profession are very marked. The average salary of the instructional staff in 1971-72 is \$8,424 in the Southeast, compared with \$11,653 in the Far West, and with \$11,393 in the Midwest. Instructional staff comprises teachers, principals, supervisors, and other instructional personnel not employed in the central office.

4. The mean beginning salary for teachers with a bachelor's degree is \$7,061 in 1971-72 for systems with enrollments of 6,000 or more. This is an increase of only 3.1 percent over the average beginning salary of \$6,850 in 1970-71.

5. Average earnings of federal civilian employees in 1970 were 19.8 percent above those of teachers for the same year (calendar-year basis).

6. Estimated average weekly earnings for teachers in 1971 (calendar year) were \$180.94. Average weekly earnings of employees in contract construction were \$212.04 for the same year. In several other areas of blue-collar employment the average weekly earnings were almost as high as those for teachers.

7. The median earnings of women professional or technical workers in 1970 were \$7,850. This is 35.9 percent below the median of \$12,255 paid to men professional or technical workers in that year.

8. Beginning salaries of federal civilian employees increased 46.0 percent on the average between 1965 and 1972. Beginning salaries of teachers in this period increased 43.4 percent on the average.

9. In 1971 the average *minimum* salary for firemen in cities with a population of 100,000 or more was \$8,513; that of policemen, \$8,898. These compare with an average beginning salary for teachers in the same cities of only \$7,126.

I. SIGNIFICANT ECONOMIC INDICATORS

THE CONDITION of our national economy has a direct bearing on the economic status of the teaching profession as it does on all other employee groups.

For the past several years our national economy has been experiencing serious inflation which has greatly affected the cost and price structure. The rate of inflation slowed somewhat during 1971: the annual increase in the Consumer Price Index in 1971 was 4.3 percent above 1970 compared with an annual increase of 5.9 percent in 1970 over the previous year. While the over-all unemployment rate was 5.9 percent for 1971, the average hourly rate of all nonagricultural workers increased 6.2 percent in 1971. Leading economists are predicting at this time that the rate of inflation in 1972 will be between 3.5 percent and 4.5 percent or perhaps a little higher.

National Income and Product

The national income and product accounts, compiled by the Bureau of Economic Analysis of the U.S. Department of Commerce, summarize both receipts and final expenditures for the personal, business, foreign, and government sectors of the economy and provide useful measures of total economic activity. The total of the final expenditures (including additions to business inventories), which equals the total of the receipts (mainly incomes) is known as gross national product (GNP). GNP is defined as the total market value of the final output of goods and services produced by the nation's economy. It is the most comprehensive single measure of aggregate national economic output.

GNP consists of four major parts: (a) personal consumption expenditures, (b) gross private domestic investment, (c) net exports of goods and services, and (d) government purchases of goods and services.

Personal consumption expenditures is the market value of goods and services purchased by individuals and non-profit institutions and the value of food, clothing, housing, and financial services received by them as income.

Gross private domestic investment combines gross fixed investment and net changes in business inventories. Fixed investment consists of producers' durable equipment and private structures, including owner-occupied residential units. These are gross estimates inasmuch as no deduction is made for capital consumption.

Net exports of goods and services measures the excess of exports over imports of goods and services. Exports

include both domestic output sold abroad and the contribution to production abroad made by U.S.-owned resources.

Government purchases of goods and services includes general government expenditures for compensation of employees, net purchases from business and from abroad, payments to private nonprofit institutions for research and development, and the gross fixed investment of government enterprises. Current outlays of government enterprises, subsidies, loans, and interest payments to domestic creditors are excluded.

Table 2 shows the GNP by major accounts for selected years from 1950 through 1971, in current dollars and as a ratio to 1961. The implicit price deflators for the total GNP (computed by dividing the current-dollar GNP by the constant-dollar data-1958 prices) are shown in Table 1. This deflator series is becoming more widely accepted as a measure of price changes.

National income is the total earnings arising from the current production of goods and services and accruing to the labor and property employed in production. The components of national income are compensation of employees, proprietors' income, rental income of persons, corporate profits and inventory, valuation adjustments, and net interest.

Personal income measures the current income of individuals, owners of unincorporated businesses, nonprofit institutions, private trust funds, and private health and welfare funds. It consists of wage and salary disbursements, other labor income, proprietors' income, rental income, dividends, personal interest incomes, and transfer payments to persons, less personal contributions for social insurance. *Disposable personal income* is the personal income available for spending less personal taxes and other nontax payments to general government, federal, state, or local.

Table 3 shows selected national income items yearly since 1950, including compensation to employees in wages and salaries and employer contributions for social insurance, private pensions, and the like.

Table 4 gives information on per-capita disposable personal income and per-capita personal consumption expenditures for the 21-year period, 1950 to 1971.

Table 5 shows average gross income of all persons filing income tax returns in 1965, 1966, 1967, and 1969, by state. It also shows the average income from salaries and wages and the ratio of this income to total income.

Output, Employment, and Unemployment

Table 6 compares economic and manpower developments for the years 1967 through 1971.

Between 1970 and 1971 the rate of civilian unemployment increased 20.4 percent, rising from 4.9 to 5.9 percent. Average weekly earnings of the nonfarm production workers increased 5.9 percent between 1970 and 1971 but the Consumer Price Index rose 4.3 percent during the year.

Table 7 shows indexes of output per man hour (on a 1967 base) for the private sector of the economy for selected years from 1950 to 1971.

Table 8 shows unemployment rates for all workers and for selected groups for 1961 to 1971.

Consumer Prices

The Consumer Price Index (CPI) of the Bureau of Labor Statistics is the best known indicator of the movement of prices. This index is often called the cost-of-living index, but its official name is *Consumer Price Index for Urban Wage Earners and Clerical Workers*.

The Consumer Price Index dates from 1913. Since that time several changes have been made in the index. However, despite the changes and improvements in statistical procedures, and changes in the reference base period, the present CPI continues to be what it has always been—a measure of price change, and of price change only, in items purchased by urban wage and clerical workers for their own consumption. The present CPI is based on average of price changes in 56 metropolitan areas selected to represent all U.S. urban places having populations of more than 2,500.

Major orientation of the index has been toward its use in collective bargaining and as a yardstick for measuring changes in real income of workers. Expenditures by a cross section of wage-earner and clerical consumers living in a representative section of urban places provide the basis both for the selection of items to be priced for the CPI and for its weighting structure. Weighting of the items included in the index is a difficult undertaking since value judgments on the importance of various items to be priced need to be made and revised from time to time.

Salaried professional and administrative personnel are excluded from the index, and since this group accounts for almost half the labor force, this is a serious weakness of the CPI. This problem has been under consideration by the Bureau of Labor Statistics and a complete revision of the index is currently being undertaken. The expected release date is about 1976, but advance use will be made of the new index by 1974 within government agencies.

From May 1960 the base period for the CPI was an average of 1957-59 prices. Beginning with 1971 the index has been based on 1967 prices. The 1967 base was chosen mainly because the major economic censuses were taken in that year. The single-year base period, as compared with previous base periods which were averages of three to five

years was also adopted for ease in compilation and use, and also in accord with international practices.

The shift to a new base period does not alter the year-to-year or month-to-month percentage changes; it merely changes the year from which comparisons are expressed.

Table 9 gives monthly CPI information for 1951 through 1971, on a 1967 base.

Salaries of teachers and many of the other professional staff members of public school systems usually are shown on a school-year basis; therefore, price indexes used in evaluating teacher salaries also should be on a school-year basis. This can be done readily by adding the monthly indexes for September through August and dividing by 12. Table 10 gives the CPI by years in current dollars and in 1971 prices for the years 1929 through 1971 in calendar years. Table 11 shows the same information for school years.

Table 12 gives the CPI for certain of its component items with 1967 as the base of reference.

Table 13 contains annual CPI data for All Items for 20 major cities or metropolitan areas for selected years between 1950 and 1971.

Family Budgets and Expenditures

The pricing of a family or individual budget presupposes an agreement on quality and quantity of each of the goods and services required to maintain a given level of living. The selection of commodities and services, their quality, and their amount will vary with the level of standard of living, whether it is subsistence, maintenance, or luxury. Pricing typical budgets for any such group is a difficult task and not lightly undertaken. This, no doubt, has been the main reason for the lack of data in this area.

Standard budgets are useful for a variety of reasons: (a) to aid in family financial planning; (b) to measure differences in levels of living from year to year, from place to place, or among different population groups; (c) for use by public and private welfare agencies in planning payments to families or determining their ability to pay for services; (d) for use in examining minimum-wage laws; and (e) to evaluate adequacy of benefits under social security programs.

Budget research has also been difficult because living standards refer to the goals people set for themselves as consumers of goods and services and as users of leisure time. However, there is no single set of goals adopted by all families and no one level or pattern of consumption which provides an appropriate base for the evaluation of need in a variety of social programs. These things make it more difficult to develop objective procedures for deriving a list of goods and services which describe a standard budget.

The Bureau of Labor Statistics was directed by a Congressional Committee in the mid-1940's to find out what it costs for a worker's family to live in the large cities

of the United States. To carry out this directive, a City Worker's Family Budget for a "modest but adequate" living standard for 34 large cities was made in March 1946. A revision was made in 1959 which covered living costs in 20 large cities.

Since then, budgets have been issued for the fall of 1966, and for the spring of 1967, 1969, 1970, and recently for 1971. Detailed information for 1971 was received too late for inclusion in this report. While the CPI is being revised, the Bureau of Labor Statistics is updating the budget data by applying increases in the CPI to the budget data gathered for the fall of 1969. These are divided into costs for a lower, moderate, and higher standard of living for a family of four—an employed husband, aged 38, a wife not employed outside the home, an 8-year-old girl, and a 13-year-old boy.

After about 15 years of married life, the family is well established, and the husband is an experienced worker. The budgets are illustrative of three different levels of living and

reflect the costs of different specified types and amounts of goods and services. For each budget level, the family has average inventories of clothing, house furnishings, major durables, and other equipment. Even at the lowest level, the estimates do not represent the cost of a minimum or subsistence level of living.

Table 14 gives the estimated annual costs of the three budgets for urban United States and for metropolitan and nonmetropolitan areas for the spring of 1967, 1969, and 1970. Table 15 itemizes the major elements of each budget level based on the budget for the spring of 1970.

Table 16 shows intercity comparisons of a city worker's family budget for a moderate standard of living for selected periods between the fall of 1966 and the spring of 1971 and average salaries paid teachers.

Table 17 shows a cost-of-living index for selected cities for the fourth quarters of 1968, 1969, 1970, and 1971, which was prepared by the American Chamber of Commerce Researchers Association.

TABLE 1.—IMPLICIT PRICE DEFLATORS FOR SEASONALLY ADJUSTED GROSS NATIONAL PRODUCT, SELECTED YEARS 1950 TO 1971 (1958=100.0)

Item	1950	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971 ^a
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Gross national product	80.2	103.3	104.6	105.8	107.2	108.9	110.9	113.9	117.6	122.3	128.2	135.3	141.6
Personal consumption expenditures													
Total	82.9	102.9	103.9	104.9	106.1	107.4	108.8	111.5	114.4	118.4	123.5	129.4	134.6
Durable goods	87.8	100.9	100.6	100.8	100.4	100.4	99.6	98.7	100.3	103.4	106.0	108.9	112.4
Nondurable goods	86.0	101.2	101.9	102.8	104.0	104.9	106.9	110.7	113.0	117.1	122.1	127.7	131.7
Services	76.3	105.8	105.6	109.0	110.9	113.1	115.1	118.3	122.2	126.9	133.2	140.2	148.2
Gross private domestic investment													
Fixed investment													
Total	77.5	103.4	103.9	104.9	106.0	107.6	109.3	111.8	115.9	120.4	126.4	132.6	140.5
Nonresidential													
Total	74.4	102.9	103.4	104.1	104.5	105.7	107.5	110.2	113.8	117.5	123.0	130.0	137.2
Structures	72.9	104.0	105.6	107.1	108.9	111.1	114.7	118.9	124.0	129.8	141.1	152.0	170.4
Producers' durable equipment	75.2	102.2	102.1	102.3	102.3	103.0	103.9	106.0	109.3	112.0	115.1	120.1	124.1
Residential structures	82.5	104.5	105.0	106.7	108.9	112.3	114.2	117.4	123.1	129.7	137.9	142.4	150.2
Exports and imports of goods and services													
Exports	84.9	99.9	101.9	100.8	100.6	101.5	104.7	107.7	109.7	110.9	114.7	120.6	125.4
Imports	88.7	101.0	100.1	98.5	99.5	101.5	103.4	105.6	106.5	107.7	110.8	119.2	125.2
Government purchases of goods and services													
Total	71.8	105.0	107.1	109.0	111.8	115.7	119.4	124.0	128.5	135.1	144.0	157.3	167.4
Federal	72.9	104.2	105.2	105.6	108.0	112.2	115.5	118.8	121.5	126.5	134.4	148.6	156.8
State and local	70.8	105.9	109.4	113.2	116.3	119.5	123.5	129.4	136.4	144.8	153.9	165.1	175.9
Gross national product by sectors													
Private ^b	81.4	102.8	103.7	104.7	105.8	107.1	108.8	111.6	114.8	118.9	124.3	130.4	136.0
General government	67.1	108.6	113.6	116.6	121.5	128.4	133.5	140.3	147.6	159.1	171.1	188.7	202.8

SOURCE: U.S. Department of Commerce, Bureau of Economic Analysis, as quoted in *Economic Report of the President*, Washington, D.C.: Government Printing Office, January 1972, p. 198 and 199.

^aPreliminary estimates.

^bGross national product less compensation of general government employees. Note: Data for Alaska and Hawaii included, beginning 1960.

TABLE 2.—GROSS NATIONAL PRODUCT, SELECTED YEARS, 1950 TO 1971 (Billions of dollars)

Year	1	2	3	4	5	Government purchases of goods and services ^c				
						Total gross national product	Personal consumption expenditures ^a	Gross private domestic investment ^b	Net exports of goods and service	Total	Total	Federal National defense	Other	State and local
						6	7	8	9	10
1950		\$ 284.8	\$191.0	\$ 54.1	\$1.8	\$ 37.9	\$ 18.4	\$14.1	\$ 4.3	\$ 19.5
1952		345.5	216.7	51.9	2.2	74.7	51.8	45.9	5.9	22.9
1954		364.8	236.5	51.7	1.8	74.8	47.4	41.2	6.2	27.4
1956		419.2	266.7	70.0	4.0	78.6	45.6	40.3	5.3	33.0
1958		447.3	290.1	60.9	2.2	94.2	53.6	45.9	7.3	40.6
1960		503.7	325.2	74.8	4.0	99.6	53.5	44.9	8.6	46.1
1961		520.1	335.2	71.7	5.6	107.6	57.4	47.8	9.6	50.2
1962		560.3	355.1	83.0	5.1	117.1	63.4	51.6	11.8	53.7
1963		590.5	375.0	87.1	5.9	122.5	64.2	50.8	13.5	58.2
1964		632.4	401.2	94.0	8.5	128.7	65.2	50.0	15.2	63.5
1965		684.9	432.8	108.1	6.9	137.0	66.9	50.1	16.8	70.1
1966		749.9	466.3	121.4	5.3	156.8	77.8	60.7	17.1	79.0
1967		795.9	492.1	116.6	5.2	180.1	90.7	72.4	18.4	89.4
1968		864.2	536.2	126.0	2.5	199.6	98.8	78.3	20.5	100.8
1969		929.1	579.6	137.8	2.0	209.7	99.2	78.4	20.7	110.6
1970		974.1	615.8	135.3	3.6	219.4	97.2	75.4	21.9	122.2
1971		1,046.8	662.2	150.8	0.7	233.1	97.6	71.4	26.2	135.4

(In Billions of Dollars)

INDEX: 1961 = 100.0

1950	54.8	57.0	75.5	32.1	35.2	32.1	29.5	44.8	38.8
1952	66.4	64.6	72.4	39.3	69.4	90.2	96.0	61.5	45.6
1954	70.1	70.6	72.1	32.1	69.5	82.6	86.2	64.6	54.6
1956	80.6	79.6	97.6	71.4	73.0	79.4	84.3	55.2	65.7
1958	86.0	86.5	84.9	39.3	87.5	93.4	96.0	80.2	80.9
1960	96.8	97.0	104.3	71.4	92.6	93.2	93.9	89.6	91.8
1961	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1962	107.7	105.9	115.8	91.1	108.8	110.5	108.0	122.9	107.0
1963	113.5	111.9	121.5	105.4	113.8	111.8	106.3	140.6	115.9
1964	121.6	119.7	131.1	151.8	119.6	113.6	104.6	158.3	126.5
1965	151.7	129.1	150.8	123.2	127.3	116.5	104.8	175.0	139.6
1966	144.2	139.1	169.3	94.6	145.7	135.5	127.0	178.1	157.4
1967	152.6	146.8	162.6	92.9	167.4	158.0	151.5	191.7	178.1
1968	166.2	160.0	175.7	44.6	185.5	172.1	163.8	213.5	200.8
1969	178.6	172.9	192.2	35.7	194.9	172.8	164.0	215.6	220.3
1970	187.3	183.7	188.7	64.3	203.9	169.3	157.7	228.1	243.4
1971	201.3	197.6	210.3	12.5	216.6	170.0	149.4	272.9	269.7

SOURCE: U.S. Department of Commerce, Bureau of Economic Analysis, as quoted in *Economic Report of the President*, Washington, D.C.: Government Printing Office, January 1972, p. 195.

^aIncludes durable and nondurable goods and services (including housing).

^bIncludes residential and nonresidential structures and producers' durable equipment.

^cNet of government sales.

Note: Indexes computed by NEA Research Division.

TABLE 3.—NATIONAL INCOME BY TYPES OF INCOME, 1950 TO 1971 (Billions of dollars)

Year	Total national income ^a	Compensation of employees				Business and professional income—total		Income of farm proprietors	Rental income of persons	Corporate profits—total	Net interest
		Total	Wages and salaries	Supplements to wages and salaries ^b	Total	Business and professional income—total	Income of farm proprietors					Rental income of persons	Corporate profits—total	Net interest
1	2	3	4	5	6	7	8	9	10		
1950 ..	\$241.1	\$154.6	\$146.8	\$ 7.8	\$24.0	\$13.5	\$ 9.4	\$37.7	\$ 2.0		
1951 ..	278.0	180.7	171.1	9.6	26.1	15.8	10.3	42.7	2.3		
1952 ..	291.4	195.3	185.1	10.2	27.1	15.0	11.5	39.9	2.6		
1953 ..	304.7	209.1	198.3	10.9	27.5	13.0	12.7	39.6	2.8		
1954 ..	303.1	208.0	196.5	11.5	27.6	12.4	13.6	38.0	3.6		
1955 ..	331.0	224.5	211.3	13.2	30.3	11.4	13.9	46.9	4.1		
1956 ..	350.8	243.1	227.8	15.2	31.3	11.4	14.3	46.1	4.6		
1957 ..	366.1	256.0	238.7	17.3	32.8	11.3	14.8	45.6	5.6		
1958 ..	367.8	257.8	239.9	17.9	33.2	13.4	15.4	41.1	6.8		
1959 ..	400.0	279.1	258.2	20.9	35.1	11.4	15.6	51.7	7.1		
1960 ..	414.5	294.2	270.8	23.4	34.2	12.0	15.8	49.9	8.4		
1961 ..	427.3	302.6	278.1	24.6	35.6	12.8	16.0	50.3	10.0		
1962 ..	457.7	323.6	296.1	27.5	37.1	13.0	16.7	55.7	11.6		
1963 ..	481.9	341.0	311.1	29.9	37.9	13.1	17.1	58.9	13.8		
1964 ..	518.1	367.7	333.7	32.0	40.2	12.1	18.0	66.3	15.8		
1965 ..	564.3	393.8	358.9	35.0	42.4	14.8	19.0	76.1	18.2		
1966 ..	620.6	435.5	394.5	41.0	45.2	16.1	20.0	82.4	21.4		
1967 ..	653.6	467.2	423.1	44.2	47.3	14.8	21.1	78.7	24.4		
1968 ..	711.1	514.6	464.9	49.7	49.5	14.7	21.2	84.3	26.9		
1969 ..	763.7	565.5	509.6	56.0	50.3	16.8	22.6	78.6	29.9		
1970 ..	795.9	601.9	541.4	60.5	51.0	15.8	23.3	70.8	33.0		
1971 ^p ..	850.8	641.8	574.2	67.7	52.1	16.3	24.3	80.7	35.6		

SOURCE: U.S. Department of Commerce, Bureau of Economic Analysis, as quoted in *Economic Report of the President*, Washington, D.C.: Government Printing Office, January 1972, p. 209.

^aNational income is the total net income earned in production. It differs from gross national product mainly in that it excludes depreciation charges and other allowances for business and institutional consumption of durable capital goods, and indirect business taxes.

^bEmployer contributions for social insurance and to private pension, health, and welfare funds; compensation for injuries; directors' fees; pay of the military reserve, and a few other relatively minor items.

^cIncludes inventory valuation adjustment.

p = preliminary data.

TABLE 4.—PER-CAPITA DISPOSABLE PERSONAL INCOME AND PERSONAL CONSUMPTION EXPENDITURES, 1950 TO 1971 (In current dollars and in 1958 prices)

Year	Per-capita disposable income		Per-capita personal consumption expenditures	
	Current prices	1958 prices	Current prices	1958 prices
1	2	3	4	5
1950	\$1,364	\$1,646	\$1,259	\$1,520
1951	1,469	1,657	1,337	1,509
1952	1,518	1,678	1,381	1,525
1953	1,583	1,726	1,441	1,572
1954	1,585	1,714	1,456	1,575
1955	1,666	1,795	1,539	1,659
1956	1,743	1,839	1,585	1,673
1957	1,801	1,844	1,643	1,683
1958	1,831	1,831	1,666	1,666
1959	1,905	1,881	1,758	1,735
1960	1,937	1,883	1,800	1,749
1961	1,984	1,910	1,825	1,756
1962	2,066	1,969	1,904	1,815
1963	2,139	2,016	1,982	1,867
1964	2,284	2,126	2,092	1,948
1965	2,436	2,239	2,228	2,048
1966	2,605	2,336	2,373	2,128
1967	2,751	2,404	2,477	2,165
1968	2,946	2,487	2,673	2,257
1969	3,130	2,535	2,861	2,316
1970	3,358	2,595	3,007	2,324
1971 ^a	3,581	2,660	3,199	2,376

SOURCE: U.S. Department of Commerce, Bureau of Economic Analysis as quoted in *Economic Report of the President*. Washington, D.C.: Government Printing Office, January 1971. p. 213.

^aPreliminary data.

TABLE 5.—AVERAGE GROSS INCOME AND INCOME FROM WAGES AND SALARIES, BY STATE, 1969*

State	Average gross income					Percent increase, 1969 over 1967	Average gross income from wages and salaries					Ratio of average income from wages and salaries to total gross income				
	1965	1966	1967	1969	1969		1965	1966	1967	1969	1969	1965	1966	1967	1969	
	2	3	4	5	6		7	8	9	10	11	12	13	14		
United States, total	\$6,350	\$6,676	\$7,518	\$7,958	5.9	\$5,815	\$6,110	\$6,838	\$7,352	91.6	91.5	91.0	92.4			
Alabama	5,399	5,769	6,324	6,872	8.7	5,092	5,475	5,984	6,500	94.3	94.9	94.6	94.6			
Alaska	7,943	8,539	8,826	10,288	16.6	7,502	7,806	8,721	9,539	94.4	91.4	98.8	92.7			
Arizona	5,811	6,243	6,964	7,608	9.2	5,329	5,745	6,305	6,931	91.7	92.0	90.5	91.1			
Arkansas	4,562	5,128	5,844	5,905	1.0	4,087	4,637	5,426	5,429	89.6	90.4	92.8	91.9			
California	7,123	7,395	8,272	8,574	3.7	6,554	6,852	7,536	8,018	92.0	92.7	91.1	93.5			
Colorado	6,147	6,440	7,174	7,538	5.1	5,605	5,827	6,471	7,010	91.2	90.5	90.2	93.0			
Connecticut	7,502	8,056	8,704	9,481	8.9	6,675	7,113	7,423	8,432	89.0	88.3	85.3	88.9			
Delaware	8,201	7,720	8,295	8,542	3.0	6,554	6,704	7,261	7,399	79.9	86.8	87.5	86.6			
District of Columbia	6,502	6,798	6,735	7,914	17.5	5,652	6,031	5,950	6,988	86.9	88.7	88.3	88.3			
Florida	5,793	6,018	6,881	7,411	7.7	5,263	5,508	6,225	6,761	90.9	91.5	90.5	91.2			
Georgia	5,372	5,719	6,695	7,384	10.3	4,985	5,295	6,179	6,768	92.8	92.6	92.3	91.7			
Hawaii	6,173	7,117	7,719	8,293	7.4	5,581	6,326	6,902	7,496	90.4	88.9	89.4	90.4			
Idaho	5,408	5,788	6,161	6,633	7.7	4,850	5,203	5,604	6,057	87.7	89.9	91.0	91.3			
Illinois	7,004	7,314	8,159	8,729	7.0	6,401	6,676	7,440	8,134	91.4	91.3	91.2	93.2			
Indiana	6,370	6,739	7,616	7,983	4.8	5,893	6,233	7,070	7,402	92.5	92.5	92.8	92.7			
Iowa	5,644	6,062	6,641	6,998	5.4	5,036	5,334	5,998	6,226	89.2	88.0	90.3	89.0			
Kansas	5,685	6,154	6,881	7,147	3.9	5,233	5,598	6,237	6,611	92.0	91.0	90.6	92.5			
Kentucky	5,290	5,698	6,239	6,896	10.5	4,887	5,353	5,750	6,409	92.4	93.9	92.2	92.9			
Louisiana	5,777	6,185	6,882	7,165	4.1	5,291	5,595	6,255	6,667	91.6	90.5	90.9	93.0			
Maine	5,068	5,392	6,064	6,771	11.7	4,528	4,809	5,361	6,144	89.3	89.2	88.4	90.7			
Maryland	6,877	6,759	8,096	8,534	5.4	6,277	6,300	7,479	7,868	91.3	93.2	92.4	92.2			
Massachusetts	6,334	6,630	7,728	8,203	6.1	5,759	5,944	6,892	7,386	90.9	89.7	89.2	90.0			
Michigan	7,115	7,538	8,322	8,884	6.8	6,609	6,947	7,655	8,303	92.9	92.2	92.0	93.5			
Minnesota	5,889	6,125	6,963	7,509	7.8	5,586	5,774	6,453	7,050	94.9	94.3	92.7	93.9			
Mississippi	4,825	5,194	5,874	6,073	3.4	4,405	4,744	5,384	5,775	91.3	91.3	91.7	91.1			
Missouri	6,058	6,383	7,078	7,548	6.6	5,584	5,944	6,514	7,096	92.2	93.1	92.0	94.0			
Montana	5,564	5,689	5,799	6,848	18.1	5,066	4,973	5,259	6,165	91.0	87.4	90.7	90.0			
Nebraska	5,372	5,849	6,154	6,995	13.7	4,814	5,129	5,627	6,257	89.6	87.7	91.4	89.5			
Nevada	7,025	7,347	8,363	8,994	7.5	6,404	6,754	7,587	8,117	91.2	91.9	90.7	90.2			
New Hampshire	5,584	6,098	6,859	6,824	-0.5	4,985	5,447	6,278	6,200	89.3	89.3	91.5	90.9			

New Jersey	6,915	7,406	8,384	8,955	6.8	6,343	6,821	7,608	8,273	91.7	92.1	90.7	92.4
New Mexico	5,544	5,544	6,385	6,497	1.8	5,231	5,366	5,995	6,202	94.4	96.8	93.9	95.5
New York	7,132	7,475	8,637	8,955	3.7	6,274	6,525	7,464	8,013	88.0	87.3	86.4	89.5
North Carolina	5,203	5,471	6,201	6,729	8.5	4,832	5,055	5,770	6,239	92.9	92.4	93.0	92.7
North Dakota	4,872	5,094	5,536	6,079	9.8	4,431	4,368	4,687	5,410	90.9	85.7	84.7	89.0
Ohio	6,735	7,003	7,815	8,191	4.8	6,187	6,466	7,232	7,649	91.9	92.3	92.5	93.4
Oklahoma	5,360	5,734	6,423	6,941	8.1	4,963	5,330	5,873	6,497	92.6	93.0	91.4	93.6
Oregon	6,132	6,601	7,159	7,695	7.5	5,537	6,006	6,443	7,182	90.3	91.0	90.0	93.3
Pennsylvania	6,267	6,555	7,337	7,745	5.6	5,758	6,038	6,710	7,151	91.9	92.1	91.5	92.3
Rhode Island	6,011	6,426	7,097	7,276	2.5	5,419	5,784	6,481	6,630	90.2	90.0	91.3	91.1
South Carolina	5,021	5,369	6,005	6,302	4.9	4,671	5,013	5,609	5,944	93.0	93.4	93.4	94.3
South Dakota	4,472	4,763	5,555	5,813	4.6	4,127	4,370	4,779	5,351	92.3	91.7	86.0	92.1
Tennessee	5,235	5,674	6,422	6,771	5.4	4,844	5,223	5,946	6,330	92.5	92.1	92.6	93.5
Texas	5,783	6,026	6,939	7,301	5.2	5,306	5,474	6,294	6,743	91.8	90.8	90.7	92.4
Utah	5,951	6,112	6,872	7,272	5.8	5,519	5,735	6,379	6,875	92.7	93.8	92.8	94.5
Vermont	4,774	5,068	6,476	6,913	6.7	4,226	4,487	5,734	6,372	88.5	88.5	88.5	92.2
Virginia	6,002	6,346	7,213	7,793	8.0	5,628	5,906	6,739	7,326	93.8	93.1	93.4	94.0
Washington	6,564	7,070	7,954	8,271	4.0	6,011	6,499	7,278	7,632	91.6	91.9	91.5	92.3
West Virginia	5,364	5,708	6,237	6,835	9.6	4,990	5,355	5,869	6,213	93.0	93.8	94.1	90.9
Wisconsin	6,071	6,463	7,160	7,613	6.3	5,730	6,065	6,632	7,177	94.4	93.8	92.6	94.3
Wyoming	5,457	5,909	6,413	7,054	10.0	4,893	5,299	5,628	6,289	89.7	89.7	87.8	89.2

SOURCE: U.S. Department of the Treasury, Internal Revenue Service, Statistics of Income, 1966, 1967, 1968 and 1969, Individual Income Tax Returns.
 *Average gross income per income tax return; includes taxable and nontaxable returns. Averages computed by NIRA Research Division from Internal Revenue Service data.

TABLE 6.—ECONOMIC AND MANPOWER DEVELOPMENTS, 1967 TO 1971

	1967	1968	1969	1970	1971 ^a	Percent change, 1971 over 1970
1	2	3	4	5	6	7
GNP in current dollars (billions)	\$793.9	\$864.2	\$929.1	\$974.1	\$1,046.8	7.5
GNP in 1958 dollars (billions)	675.2	706.6	724.7	720.0	739.5	2.7
Total civilian employment (thousands)	74,372	75,920	77,902	78,627	79,120	0.6
Nonfarm civilian employment (thousands)	70,527	72,103	74,296	75,165	75,732	0.8
Unemployment (thousands)	2,975	2,817	2,831	4,088	4,993	22.1
Unemployment rate (percent)	3.8	3.6	3.5	4.9	5.9	20.4
Weekly earnings (private nonfarm production workers) in current dollars	\$101.84	\$107.73	\$114.61	\$119.46	\$126.54	5.9
Consumer Price Index (1967=100)	100.0	104.2	109.8	116.3	121.3	4.3
Weekly earnings in 1967 dollars	\$101.84	\$103.39	\$104.38	\$102.99	\$104.32	1.3

SOURCE: *Economic Report of the President, 1972, January 1972.*

^aColumn 7 computed by NEA Research Division.

TABLE 7.—INDEXES OF OUTPUT PER MAN-HOUR AND RELATED DATA, PRIVATE ECONOMY, SELECTED YEARS, 1950 TO 1971 (1967 = 100.0)

Year	Total—private economy					
	Total output ^a	Man-hours ^b	Output per man-hour	Compensation per man-hour ^c	Unit labor cost	Implicit price deflator ^d
1	2	3	4	5	6	7
1950	52.5	87.9	59.7	42.8	71.7	70.9
1952	57.2	91.2	62.7	49.8	79.4	77.5
1954	59.3	88.6	66.9	54.5	81.5	79.1
1956	65.6	93.7	70.0	59.5	85.0	82.3
1958	65.6	88.4	74.3	66.0	88.9	87.1
1960	71.9	92.0	78.2	71.7	91.8	89.5
1961	73.2	90.6	80.9	74.4	92.1	90.4
1962	78.2	92.4	84.7	77.7	91.8	91.2
1963	81.5	92.9	87.7	80.8	92.1	92.2
1964	86.2	94.5	91.1	84.9	93.1	93.2
1965	91.8	97.4	94.2	88.4	93.8	94.8
1966	97.7	99.7	98.0	94.5	96.5	97.2
1967	100.0	100.0	100.0	100.0	100.0	100.0
1968	104.8	101.8	102.9	107.6	104.6	103.6
1969	107.5	104.0	103.4	115.6	111.9	108.3
1970	106.8	102.4	104.3	124.0	118.9	113.6
1971 ^e	106.9	101.7	108.1	132.6	122.7	118.5

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, as quoted in *Economic Report of the President*. Washington, D.C.: Government Printing Office, January 1972. p. 234.

^aOutput refers to gross national product in 1958 prices.

^bHours of all persons in private industry engaged in production. Estimates based largely on establishment data.

^cWages and salaries of employees plus employers' contribution for social insurance and private benefit plans. Also includes estimates for self-employed.

^dCurrent dollar gross product divided by constant dollar product.

^ePreliminary.

TABLE 8.—UNEMPLOYMENT RATES, 1961 TO 1971 (SELECTED GROUPS OF WORKERS)

Group of workers	Percent of unemployment*						
	1961-65 average	1966	1967	1968	1969	1970	1971
1	2	3	4	5	6	7	8
ALL WORKERS	5.5	3.8	3.8	3.6	3.5	4.9	5.9
SEX AND AGE:							
Both sexes 16-19 years	15.9	12.8	12.8	12.7	12.2	15.2	16.9
Men 20 years and over	4.4	2.5	2.3	2.2	2.1	3.5	4.4
Women 20 years and over	5.4	3.8	4.2	3.8	3.7	4.8	5.7
SELECTED OCCUPATIONAL GROUPS:							
White-collar workers	2.8	2.0	2.2	2.0	2.1	2.8	NA
Blue-collar workers	7.1	4.2	4.4	4.1	3.9	6.2	7.4
Craftsmen and farmers	4.8	2.8	2.5	2.4	2.2	3.8	NA
Operatives	7.3	4.3	5.0	4.5	4.4	7.1	NA
Nonfarm laborers	11.8	7.4	7.6	7.2	6.7	9.5	NA
PRIVATE WAGE AND SALARY WORKERS IN NONAGRICULTURAL INDUSTRIES							
Construction	5.9	3.8	3.9	3.6	3.5	5.2	NA
Manufacturing	12.8	8.1	7.4	6.9	6.0	9.7	NA
Manufacturing	5.6	3.2	3.7	3.3	3.3	5.6	NA

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, as quoted in *Economic Report of the President*. Washington, D.C.: Government Printing Office, January 1972. p. 223.

*Number of employed in each group as percent of civilian labor force in that group.

TABLE 9.—CONSUMER PRICE INDEX, ALL ITEMS, 1951 TO 1971 (1967 = 100.0)

Year	Average for year												Percent change from previous years		
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15
1951		76.1	77.0	77.3	77.4	77.7	77.6	77.7	77.7	78.2	78.6	79.0	79.3	77.8	
1952		79.3	78.8	78.8	79.1	79.2	79.4	80.1	80.1	80.0	80.1	80.1	80.5	79.5	2.2
1953		79.8	79.4	79.6	79.7	79.9	80.2	80.4	80.6	80.7	80.9	80.6	80.5	80.1	0.8
1954		80.7	80.6	80.5	80.3	80.6	80.7	80.6	80.6	80.4	80.2	80.3	80.1	80.5	0.5
1955		80.1	80.1	80.1	80.1	80.1	80.1	80.4	80.2	80.5	80.5	80.6	80.4	80.2	-0.4
1956		80.3	80.3	80.4	80.5	80.9	81.4	82.0	81.9	82.0	82.5	82.5	82.7	81.4	1.5
1957		82.8	83.1	83.3	83.6	83.8	84.3	84.7	84.8	84.9	84.9	85.2	85.2	84.3	3.6
1958		85.7	85.8	86.4	86.6	86.6	86.7	86.8	86.7	86.7	86.7	86.8	86.7	86.6	2.7
1959		86.8	86.7	86.7	86.8	86.9	87.3	87.5	87.4	87.7	88.0	88.0	88.0	87.3	0.8
1960		87.9	88.0	88.0	88.5	88.5	88.6	88.7	88.7	88.8	89.2	89.3	89.3	88.7	1.6
1961		89.3	89.3	89.3	89.3	89.3	89.4	89.8	89.7	89.9	89.9	89.9	89.9	89.6	1.0
1962		89.9	90.1	90.3	90.5	90.5	90.5	90.7	90.7	91.2	91.1	91.1	91.0	90.6	1.1
1963		91.1	91.2	91.3	91.3	91.3	91.7	92.1	92.1	92.1	92.2	92.3	92.5	91.7	1.2
1964		92.6	92.5	92.6	92.7	92.7	92.9	93.1	93.0	93.2	93.3	93.5	93.6	92.9	1.3
1965		93.6	93.6	93.7	94.0	94.2	94.7	94.8	94.6	94.8	94.9	95.1	95.4	94.5	1.7
1966		95.4	96.0	96.3	96.7	96.8	97.1	97.4	97.9	98.1	98.5	98.5	98.6	97.2	2.9
1967		98.6	98.7	98.9	99.1	99.4	99.7	100.2	100.5	100.7	101.0	101.3	101.6	100.0	2.9
1968		102.0	102.3	102.8	103.1	103.4	104.0	104.5	104.8	105.1	105.7	106.1	106.4	104.2	4.2
1969		106.7	107.1	108.0	108.7	109.0	109.7	110.2	110.7	111.2	111.6	112.2	112.9	109.8	5.4
1970		113.3	113.9	114.5	115.2	115.7	116.3	116.7	116.9	117.5	118.1	118.5	119.1	116.3	5.9
1971		119.2	119.4	119.8	120.2	120.8	121.5	121.8	122.1	122.2	122.4	122.6	123.1	121.3	4.3
1972		123.2	123.8	124.0											

SOURCE: U. S. Department of Labor, Bureau of Labor Statistics, *The Consumer Price Index*, various dates.

TABLE 10.—CONSUMER PRICE INDEX AND PURCHASING POWER OF THE DOLLAR
CALENDAR YEARS, 1929-1971

Calendar year	Consumer Price Index		Purchasing power of \$1 in 1971 prices
	1967 equals 100.0	1971 equals 100.0	
1	2	3	4
1929	51.3	41.7	\$2.40
1930	50.0	40.6	2.46
1931	45.6	37.0	2.70
1932	40.9	33.2	3.01
1933	38.8	31.5	3.17
1934	40.1	32.6	3.07
1935	41.1	33.4	2.99
1936	41.5	33.7	2.97
1937	43.0	34.9	2.87
1938	42.2	34.3	2.92
1939	41.6	33.8	2.96
1940	42.0	34.1	2.93
1941	44.1	35.8	2.79
1942	48.8	39.6	2.53
1943	51.8	42.1	2.38
1944	52.7	42.8	2.34
1945	53.9	43.8	2.28
1946	58.5	47.5	2.11
1947	66.9	54.3	1.84
1948	72.1	58.6	1.71
1949	71.4	58.0	1.72
1950	72.1	58.6	1.71
1951	77.8	63.2	1.58
1952	79.5	64.6	1.55
1953	80.1	65.1	1.54
1954	80.5	65.4	1.53
1955	80.2	65.2	1.53
1956	81.4	66.1	1.51
1957	84.3	68.5	1.46
1958	86.6	70.3	1.42
1959	87.3	70.9	1.41
1960	88.7	72.1	1.39
1961	89.6	72.8	1.37
1962	90.6	73.6	1.36
1963	91.7	74.5	1.34
1964	92.9	75.5	1.32
1965	94.5	76.8	1.30
1966	97.2	79.0	1.27
1967	100.0	81.2	1.23
1968	104.2	84.6	1.18
1969	109.8	89.2	1.12
1970	116.3	94.5	1.06
1971	123.1	100.0	1.00

SOURCE: Column 2 from: U.S. Department of Labor, Bureau of Labor Statistics; Columns 3 and 4 computed by NEA Research Division.

TABLE 11.—CONSUMER PRICE INDEX AND PURCHASING POWER OF THE DOLLAR, SCHOOL YEARS 1929-30 TO 1970-71

School year	Consumer Price Index*		Purchasing power of \$1 in 1970-71 prices**
	1967-68 equals 100.0	1970-71 equals 100.0	
1	2	3	4
1929-1930	49.6	41.4	\$2.42
1930-1931	45.9	38.3	2.61
1931-1932	41.3	34.5	2.90
1932-1933	37.8	31.6	3.16
1933-1934	38.7	32.3	3.10
1934-1935	39.8	33.2	3.01
1935-1936	40.2	33.6	2.98
1936-1937	41.5	34.6	2.89
1937-1938	41.6	34.7	2.88
1938-1939	40.6	33.9	2.95
1939-1940	40.9	34.1	2.93
1940-1941	41.7	34.8	2.87
1941-1942	46.2	38.6	2.59
1942-1943	49.8	41.6	2.40
1943-1944	51.0	42.6	2.35
1944-1945	52.2	43.6	2.29
1945-1946	54.1	45.2	2.21
1946-1947	63.1	52.7	1.90
1947-1948	69.0	57.6	1.74
1948-1949	70.0	58.4	1.71
1949-1950	69.3	57.8	1.73
1950-1951	74.2	61.9	1.62
1951-1952	77.1	64.4	1.55
1952-1953	77.9	65.0	1.54
1953-1954	78.6	65.6	1.52
1954-1955	78.1	65.2	1.53
1955-1956	78.7	65.7	1.52
1956-1957	81.2	67.8	1.47
1957-1958	83.8	69.9	1.43
1958-1959	84.7	70.7	1.41
1959-1960	85.9	71.7	1.39
1960-1961	87.0	72.6	1.38
1961-1962	87.9	73.4	1.36
1962-1963	89.0	74.3	1.35
1963-1964	90.2	75.3	1.33
1964-1965	91.5	76.4	1.31
1965-1966	93.6	78.1	1.28
1966-1967	96.5	80.6	1.24
1967-1968	100.0	83.5	1.20
1968-1969	105.0	87.6	1.14
1969-1970	111.2	92.8	1.08
1970-1971	119.8	100.0	1.00
Sept.—Dec. 1970 .	118.3	98.7	1.01
Sept.—Dec. 1971 .	122.6	102.3	.98

*CPI converted to school-year basis by NEA Research Division.

**Computed by NEA Research Division.

TABLE 12.—CONSUMER PRICE INDEXES, BY SPECIAL GROUPS, SELECTED YEARS, 1950 TO 1971 (1967 = 100.0)

Year	All items less food				All items less shelter			All commodities			Services			
	2	3	4	5	6	Commodities less food		7	8	9	10	11	12	13
						Food	Non-durable								Total non-durable	Rent	All services less rent
1950	72.1	71.1	73.1	78.8	74.5	81.4	88.4	76.2	75.4	58.7	70.4	56.0		
1952	79.5	77.5	80.8	87.0	84.3	88.3	96.4	82.4	83.4	64.5	76.2	62.2		
1954	80.5	79.5	81.0	85.9	82.8	87.5	93.3	83.5	83.2	69.5	83.2	66.7		
1956	81.4	81.1	81.7	85.9	82.2	87.8	91.5	85.3	83.7	72.7	85.9	70.1		
1958	86.6	85.7	86.9	90.6	88.5	91.5	95.9	88.2	88.6	78.5	89.1	76.4		
1960	88.7	88.8	88.9	91.5	88.0	93.1	96.7	90.7	89.4	83.5	91.7	81.9		
1961	89.6	89.7	89.9	92.0	89.1	93.4	96.6	91.2	90.2	85.2	92.9	83.9		
1962	90.6	90.8	90.9	92.8	89.9	94.1	97.6	91.8	90.9	86.8	94.0	85.5		
1963	91.7	92.0	92.1	93.6	91.2	94.8	97.9	92.7	92.0	88.5	95.0	87.3		
1964	92.9	93.2	93.2	94.6	92.4	95.6	98.8	93.5	93.0	90.2	95.9	89.2		
1965	94.5	94.5	94.6	95.7	94.4	96.2	98.4	94.8	94.6	92.2	96.9	91.5		
1966	97.2	96.7	97.4	98.2	99.1	97.5	98.5	97.0	98.1	95.8	98.2	95.3		
1967	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
1968	104.2	104.4	104.1	103.7	103.6	103.7	103.1	104.1	103.9	105.2	102.4	105.7		
1969	109.8	110.1	109.0	108.4	108.9	108.1	107.0	108.8	108.9	112.5	105.7	113.8		
1970	116.3	116.7	114.4	113.5	114.9	112.5	111.8	113.1	114.0	121.6	110.1	123.7		
1971	121.3	122.1	119.3	117.4	118.4	116.8	116.5	117.0	117.7	128.4	115.2	130.9		

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, *Monthly Labor Review*, various issues.

TABLE 13.—CONSUMER PRICE INDEX FOR 20 LARGE CITIES, ALL ITEMS, SELECTED YEARS, 1950 TO 1971 (1967 = 100.0)

City	1950	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971 ^a	Percent change, 1971 over 1970	
	2	3	4	5	6	7	8	9	10	11	12	13	14	14	15
U.S.—all-city average	72.1	88.7	89.6	90.6	91.7	92.9	94.5	97.2	100.0	104.2	109.8	116.3	121.3	4.3	
Atlanta	72.7	89.3	89.7	90.5	91.3	92.8	94.0	97.0	100.0	104.0	110.2	116.5	122.1	4.8	
Baltimore	71.4	89.1	89.9	90.6	91.9	92.9	94.4	97.7	100.0	104.1	110.5	117.0	123.8	5.8	
Boston	69.5	86.5	87.7	89.6	91.4	92.7	94.5	97.7	100.0	104.1	110.0	116.7	122.5	5.0	
Chicago	72.4	90.7	91.2	92.1	92.7	93.4	94.7	97.4	100.0	104.3	109.9	116.3	120.8	3.9	
Cincinnati	74.0	90.0	90.4	91.3	92.3	93.7	94.4	97.2	100.0	104.8	109.8	115.7	121.0	4.6	
Cleveland	73.1	90.6	91.4	91.7	92.7	93.2	94.7	97.2	100.0	105.9	111.9	119.3	122.8	2.9	
Detroit	73.0	88.2	88.7	88.9	89.8	90.5	92.6	96.7	100.0	104.3	110.6	117.4	121.7	3.7	
Houston	74.9	89.2	89.7	91.4	92.3	93.7	94.8	97.5	100.0	104.3	111.0	116.8	120.6	3.3	
Kansas City, Mo.	70.4	86.9	88.0	89.4	90.3	92.5	95.5	98.0	100.0	104.0	109.6	115.8	120.7	4.2	
Los Angeles—Long Beach	70.1	88.5	89.6	90.6	92.0	93.7	95.7	97.5	100.0	103.9	108.8	114.3	118.5	3.7	
Minneapolis	72.0	89.0	89.9	91.0	92.3	93.2	94.5	96.8	100.0	104.6	109.9	117.5	121.4	3.3	
New York	71.2	87.3	88.1	89.4	91.3	92.8	94.3	97.5	100.0	104.3	110.8	119.0	125.9	5.8	
Philadelphia	71.3	88.4	89.4	90.1	91.8	93.2	94.7	97.3	100.0	104.8	110.4	117.8	123.5	4.8	
Pittsburgh	72.2	90.5	91.3	92.1	93.1	94.3	95.8	98.3	100.0	104.7	110.4	116.4	121.2	4.1	
Portland, Oreg.	71.0	87.1	88.1	88.5	90.2	92.2	94.6	97.5	100.0	103.5	108.6	113.2	115.9	2.4	
St. Louis	70.9	87.7	89.0	90.0	90.9	92.6	94.1	97.2	100.0	104.0	109.2	115.2	119.9	4.1	
San Francisco	67.6	87.8	88.9	90.3	91.5	92.9	94.7	97.1	100.0	104.5	110.2	115.8	120.4	4.0	
Scranton	72.2	86.9	88.2	89.7	90.9	92.6	94.1	97.4	100.0	104.1	109.5	116.3	121.4	4.4	
Seattle	70.3	87.9	89.2	90.6	92.1	93.4	94.5	97.1	100.0	104.1	109.2	114.0	116.3	2.0	
Washington, D.C.	73.6	87.7	89.0	89.8	91.3	92.8	94.1	97.3	100.0	104.7	111.2	117.6	122.7	4.3	

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, *Monthly Labor Review*, various issues.^aIncludes revisions due to auto excise tax refund.

TABLE 14.—ESTIMATED ANNUAL COSTS OF THREE BUDGETS FOR A FOUR-PERSON FAMILY^a

Area	Annual costs—total budget			Percent increase, spring 1970 over spring 1967
	Spring 1967	Spring 1969	Spring ^b 1970	
1	2	3	4	5
LOWER BUDGET:				
Urban United States	\$ 5,915	\$ 6,567	\$ 6,960	17.7
Metropolitan areas ^c	5,994	6,673	7,061	17.8
Nonmetropolitan areas ^d	5,564	6,092	6,512	17.0
INTERMEDIATE BUDGET:				
Urban United States	9,076	10,077	10,664	17.5
Metropolitan areas ^c	9,243	10,273	10,933	18.3
Nonmetropolitan areas ^d	8,322	9,204	9,600	15.4
HIGHER BUDGET:				
Urban United States	13,050	14,589	15,511	18.9
Metropolitan areas ^c	13,367	14,959	15,971	19.5
Nonmetropolitan areas ^d	11,640	12,942	13,459	15.6

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics.

^aThe family consists of an employed husband, age 38, a wife not employed outside the home, an 8-year-old girl, and a 13-year-old boy.

^bEstimates for Spring 1971 are shown in Table 15.

^cStandard Metropolitan Statistical Areas.

^dPlaces with 2,500 to 50,000 inhabitants.

TABLE 15.—ANNUAL COSTS OF BUDGETS FOR THREE LIVING STANDARDS^a—SPRING OF 1970

Item	Urban United States									
	Total			Metropolitan areas ^b			Nonmetropolitan areas ^c			
	1	2	3	4	5	6	7	8	9	10
TOTAL BUDGET ^d	\$6,960	\$10,664	\$15,511	\$7,061	\$10,933	\$15,971	\$6,512	\$9,600	\$13,459	
TOTAL COST OF FAMILY CONSUMPTION	5,553	8,205	11,346	5,626	8,382	11,658	5,226	7,421	9,949	
Food	1,905	2,452	3,092	1,933	2,491	3,162	1,780	2,281	2,785	
Housing—total	1,429	2,501	3,772	1,453	2,579	3,915	1,322	2,158	3,133	
Transportation	505	912	1,183	481	916	1,204	610	894	1,091	
Clothing and personal care	807	1,137	1,655	820	1,153	1,676	753	1,065	1,555	
Medical care	562	564	588	580	582	606	480	483	505	
Other family consumption ^e	345	639	1,056	359	661	1,095	31	540	880	
OTHER COSTS ^f	343	539	903	345	576	919	334	509	833	
SOCIAL SECURITY AND DISABILITY INSURANCE	345	387	387	352	389	389	316	377	377	
PERSONAL INCOME TAXES	719	1,533	2,875	738	1,586	3,005	636	1,293	2,300	

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics. *Spring 1970 Cost Estimates For Urban Family Budgets*. Release USDL-11-606, December 21, 1970. Estimates for Spring 1971 are shown in Table 16.

^aThe family consists of an employed husband, aged 38, wife not employed outside the home, an 8-year-old girl and a 13-year-old boy.

^bStandard metropolitan statistical areas.

^cPlaces with population of 2,500 to 50,000.

^dTotal represents the weighted average costs of renter and home-owner families.

^eReading, recreation, education, tobacco, alcoholic beverages, and miscellaneous expenses.

^fGifts and contributions and life insurance.

TABLE 16.—INTERCITY AND AREA COMPARISONS OF A CITY WORKER'S FAMILY BUDGET FOR A MODERATE STANDARD OF LIVING, FALL 1966, SPRING 1967, 1969, 1970, AND 1971 WITH TEACHERS' SALARIES FOR 1970-71

Area	Total budget ^a					Average salary paid teachers, 1970-71 ^c	
	Fall 1966	Spring 1967	Spring 1969	Spring 1970	Spring 1971	In current dollars	Ratio to budget for spring 1971
1	2	3	4	5	6	7	8
United States	\$ 9,191	\$ 9,076	\$10,064	\$10,664	\$11,110	\$ 9,269	83.4
Metropolitan area ^d	9,376	9,243	10,279	10,933	11,443	....	....
Nonmetropolitan areas ^e	8,366	8,322	9,101	9,600	9,999	....	....
NORTHEAST							
Boston, Mass.	10,141	9,973	11,253	12,037	12,554	9,098	72.5
Buffalo, N.Y.	9,724	9,624	10,747	11,425	11,888	10,035	84.4
Hartford, Conn.	10,000	9,833	10,924	11,584	12,110	10,263	84.7
Lancaster, Pa.	8,890	8,960	9,790	10,301	10,777	....	....
New York-Northeastern N.J.	10,195	9,977	11,247	12,134	12,665	10,971	86.6
Philadelphia, Pa.-N.J.	9,193	9,079	10,221	10,875	11,332	11,170	98.6
Pittsburgh, Pa.	8,919	8,764	9,684	10,236	10,666	....	....
Portland, Maine	9,257	9,195	10,209	10,835	11,332	9,055	79.9
Nonmetropolitan areas ^e	8,985	8,981	9,816	10,419	10,888	....	....
NORTH CENTRAL							
Cedar Rapids, Iowa	9,421	9,358	10,138	10,614	11,110	9,500	85.5
Champaign-Urbana, Ill.	9,350	9,257	10,250	10,864	11,332	10,726	94.7
Chicago, Ill.-Northwestern, Ind.	9,506	9,334	10,452	11,120	11,554	11,017	95.4
Cincinnati, Ohio-Ky.-Ind.	8,976	8,826	9,736	10,220	10,666	9,944	93.2
Cleveland, Ohio	9,297	9,262	10,470	11,184	11,666	9,681	83.0
Dayton, Ohio	8,711	8,636	9,522	10,094	10,555	10,030	95.0
Detroit, Mich.	8,981	8,981	9,949	10,588	10,999	11,414	103.8
Green Bay, Wis.	9,080	8,955	9,808	10,596	10,999	10,534	95.8
Indianapolis, Ind.	9,394	9,232	10,377	10,892	11,332	9,927	87.6
Kansas City, Mo.-Kans.	9,189	8,965	10,034	10,599	10,999	9,291 ^f	84.5
Milwaukee, Wis.	9,740	9,544	10,739	11,405	11,888	10,575	89.0
Minneapolis-St. Paul, Minn.	9,495	9,399	10,191	10,897	11,332	10,484	92.5
St. Louis, Mo.-Ill.	9,241	9,140	10,019	10,546	10,999	9,858	89.6
Wichita, Kans.	9,052	8,907	9,667	10,105	10,555	9,222	87.4
Nonmetropolitan areas ^e	8,535	8,511	9,329	9,862	10,221	....	....

SOUTH										
Atlanta, Ga.	8,434	8,328	9,117	9,523	9,888	8,962	90.6			
Austin, Texas	8,028	7,952	8,982	9,212	9,555	8,160	85.4			
Baltimore, Md.	8,798	8,685	9,898	10,580	10,999	9,373	85.2			
Baton Rouge, La.	8,538	8,348	9,211	9,704	10,110	8,896	88.0			
Dallas, Texas	8,472	8,345	9,340	9,894	10,332	8,813	85.3			
Durham, N.C.	8,707	8,641	9,624	10,187	10,666	8,421	79.0			
Houston, Texas	8,387	8,301	9,176	9,645	9,999	8,962	89.6			
Nashville, Tenn.	8,552	8,388	9,232	9,665	10,110	8,621	85.3			
Orlando, Fla.	8,416	8,227	9,098	9,469	9,888	...	...	
Washington, D.C.—Md.—Va.	9,381	9,273	10,390	11,047	11,554	10,421	90.2			
Nonmetropolitan areas ^e	7,855	7,784	8,567	9,041	9,444	...	...	
WEST										
Bakersfield, Calif.	8,921	8,822	9,712	10,040	10,443	9,452	90.5			
Denver, Colorado	9,235	9,080	9,737	10,326	10,777	10,014	92.9			
Los Angeles—Long Beach, Calif.	9,445	9,326	10,247	10,770	11,221	11,164 ^f	99.3			
San Diego, Calif.	9,307	9,209	9,979	10,467	10,888	11,158	102.5			
San Francisco—Oakland, Calif.	9,886	9,774	10,837	11,381	11,888	11,397 ^h	95.9			
Seattle—Everett, Wash.	9,665	9,550	10,553	11,012	11,443	10,796 ⁱ	94.3			
Honolulu, Hawaii	11,190	10,902	12,118	12,776	13,332	10,285	77.1			
Nonmetropolitan areas ^e	8,925	8,890	9,493	9,885	10,332	...	...	

SOURCES: U.S. Department of Labor, Bureau of Labor Statistics, *City Worker's Family Budget for a Moderate Living Standard*. Bulletin No. 1570-71. Released, Autumn 1966; *Three Standards of Living for an Urban Family of Four Persons*. Bulletin No. 1570-5. Released, Spring 1967; *Three Budgets for an Urban Family of Four Persons*. Released, December 1970; *Spring 1970 Cost Estimates for Urban Family Budgets*, USDL-11-606. Released, December 21, 1970.

^aThe family consists of an employed husband, age 38, a wife not employed outside the home, an 8-year-old girl, and a 13-year-old boy.

^bEstimated by NEA Research Division from BLS data. Revision of 1970 data by BLS was received too late for inclusion in this table. Estimate for 1971 made by BLS is \$10,971.

^cNEA Research Division, *25th Biennial Salary Survey of Public-School Professional Personnel, 1970-71*. Volume 1—Teachers, Principals, and Other Instructional Staff. Research Report 1971-R5.

^dStandard metropolitan statistical areas.

^ePlaces with population of 2,500 to 50,000.

^fWeighted average for Kansas City, Mo., and Kansas City, Kansas.

^gWeighted average for Los Angeles and Long Beach.

^hWeighted average for San Francisco and Oakland.

ⁱWeighted average for Seattle and Everett.

TABLE 17.—ACGRA COST OF LIVING INDICATORS, FOURTH QUARTERS 1968, 1969, 1970, AND 1971, ALL ITEMS FOR SELECTED CITIES

City Index—(All Items = 100.0)									
City and state	City index—all items				City and state	City index—all items			
	Fourth quarter					Fourth quarter			
	1968	1969	1970	1971		1968	1969	1970	1971
1	2	3	4	5	1	2	3	4	5
ALABAMA					ILLINOIS				
Birmingham	97.1	99.1	102.4	102.7	Chicago	116.7	117.1	109.8	110.0
Huntsville	93.1	90.3	95.0	...	Peoria	97.6	106.3	106.1	113.2
Mobile	94.6	95.9	89.1	93.6	Rockford	97.3	93.4	102.0	102.5
Montgomery	99.8	103.2	104.2	103.1	INDIANA				
ALASKA					Evansville	101.4	100.7	96.0	96.5
Anchorage	160.7	...	170.8	163.3	Cory	96.8	100.9	...	...
ARIZONA					Indianapolis	101.9	104.9	99.1	102.6
Flagstaff	101.2	103.4	112.5	111.0	IOWA				
Tucson	91.6	...	106.5	106.6	Cedar Rapids	114.3	107.6	107.6	102.6
ARKANSAS					Des Moines	107.0	109.1	107.8	113.6
Fort Smith	94.9	104.8	95.1	102.2	KANSAS				
Little Rock	102.9	95.5	98.5	95.2	Kansas City	91.5	94.1	101.2	104.5
CALIFORNIA					Wichita	97.8	96.8	...	...
Fresno	92.9	96.6	99.5	99.7	KENTUCKY				
Long Beach	105.9	97.8	...	...	Lexington	99.1	98.2	98.7	97.8
Sacramento	97.3	...	...	...	Louisville	96.2	97.4	100.4	94.8
San Diego	101.2	100.8	100.4	99.6	LOUISIANA				
San Francisco	116.7	...	124.3	...	New Orleans	95.6	97.8	100.3	97.9
San Jose	103.7	107.6	113.0	106.4	Shreveport	95.2	95.7	94.5	94.2
COLORADO					MAINE				
Colorado Springs	99.4	100.0	100.2	97.9	Portland	106.1	97.8	114.3	111.0
Denver	96.5	105.3	108.3	105.7	MICHIGAN				
CONNECTICUT					Alpena	107.4	95.1	112.4	104.1
Middletown	106.3	104.4	110.5	115.0	Bay City	107.2	...	...	...
DELAWARE					Detroit	99.4	...	...	...
Dover	96.6	102.0	...	...	Grand Rapids	100.5	...	94.8	97.0
FLORIDA					Lansing	107.4	120.3	101.1	111.8
Fort Lauderdale	101.6	111.9	114.6	112.8	MINNESOTA				
Gainesville	100.6	...	102.3	...	Duluth	107.1	107.1	99.9	98.1
Orlando	99.4	100.2	100.5	101.8	Minneapolis	111.1	110.1	...	...
Petersburg	96.6	99.7	102.1	103.6	MISSISSIPPI				
GEORGIA					Jackson	95.9	98.3	96.9	93.0
Atlanta	110.0	106.1	...	...	MISSOURI				
Monroe	92.9	...	94.2	101.0	Kansas City	98.5	109.2	109.9	...
Savannah	94.8	96.2	100.3	98.2	St. Louis	103.1	102.8	101.0	100.6
HAWAII					Springfield	87.1	88.9	87.3	89.6
Honolulu	91.4	96.2	101.1	102.7					

TABLE 17.—ACCRA COST OF LIVING INDICATORS, FOURTH QUARTERS 1968, 1969, 1970, AND 1971, ALL ITEMS FOR SELECTED CITIES (Continued)

		City Index—(All Items = 100.0)						City Index—(All Items = 100.0)				
		City index - all items						City index - all items				
		Fourth quarter						Fourth quarter				
City and state	1968	1969	1970	1971	City and state	1968	1969	1970	1971			
1	2	3	4	5	1	2	3	4	5			
MONTANA					RHODE ISLAND							
Billings	94.9	107.3	98.1	100.4	Pawtucket	101.6	...	...	...
Great Falls	105.6	126.5	117.1	104.3	SOUTH CAROLINA							
NEBRASKA					Greenville							
Lincoln	95.4	98.8	96.2	96.4	98.2	101.3	95.2	96.8				
Omaha	102.9	100.9	97.3	95.7	SOUTH DAKOTA							
NEVADA					Sioux Falls							
Las Vegas	104.9	...	112.1	111.4	86.8	...	...	93.5		
NEW HAMPSHIRE					TENNESSEE							
Manchester	100.5	102.2	105.1	...	Knoxville	98.7	102.6	93.2	95.4			
NEW JERSEY					Memphis							
Plainfield	106.5	...	...	...	98.5	102.9	...	...		
Trenton	108.4	...	...	...	TEXAS				
NEW MEXICO					Austin							
Albuquerque	99.9	93.4	87.6	86.9	93.7	97.8	102.5	...				
NEW YORK					El Paso							
Buffalo	105.6	...	104.8	...	86.6	86.0	91.0	88.1				
New York City	117.5	119.1	115.6	116.6	Fort Worth	100.1	101.7	93.3	90.1			
NORTH CAROLINA					Houston							
Durham	95.2	103.3	95.6	97.3	99.4	102.4	95.0	94.1				
Greensboro	98.0	99.4	105.3	110.9	San Antonio	93.0	94.3	100.9	94.6			
Raleigh	95.8	101.5	96.0	...	UTAH							
Winston-Salem	101.3	98.5	103.7	106.9	Salt Lake City							
NORTH DAKOTA					103.8					98.5	99.1	97.5
Fargo	100.2	115.8	110.0	105.8	VIRGINIA							
OHIO					Alexandria							
Akron	109.6	113.7	...	104.1	120.2	122.5	...	...		
Cincinnati	103.1	97.2	96.2	96.2	Portsmouth	99.9	94.5	95.4	96.7			
Columbus	100.8	103.0	105.3	91.1	Richmond	94.5	94.1	102.0	102.4			
Dayton	101.7	102.7	...	103.0	Roanoke	102.2	98.0	91.3	95.1			
OKLAHOMA					WASHINGTON							
Tulsa	99.0	100.5	96.9	103.4	Spokane							
OREGON					102.9					...	104.1	109.9
Portland	98.6	93.5	88.1	103.8	WEST VIRGINIA							
PENNSYLVANIA					Charleston							
Allentown	96.1	94.5	111.0	87.9	111.5	108.7	104.1	102.6				
Philadelphia	105.7	...	...	...	Parkersburg	98.7	99.3	97.5	93.9
York	91.8	95.7	101.9	102.9	Wheeling	101.4	94.1	95.5	95.2			
WISCONSIN					WYOMING							
Green Bay					Casper							
98.8					102.5					99.1	97.0	96.2
Madison					Cheyenne							
107.3					90.6					99.7	93.4	93.1
Wausau												
94.9												
97.7												
95.5												
95.2												

SOURCE: American Chamber of Commerce Researchers Association. *Cost of Living Indicators*. Lincoln, Nebr.: the Association, November 1968, 1969, 1970, and 1971. (Used with permission)

II. SALARIES OF THE TEACHING PROFESSION

TRENDS IN SALARIES of teachers, other members of the instructional staff and certain administrative officers in elementary and secondary schools, of faculties of public junior colleges, and of faculties of degree-granting colleges and universities are shown in Tables 18 through 37. For the most part, these tables are self-explanatory.

Salaries Paid in Public Schools

Tables 18 through 24 show trend data on salaries paid teachers and other members of the instructional staff of public school systems. Information in these tables is received annually from the various state departments of education. Biennially the NEA Research Division also collects information on salaries paid by means of a questionnaire sent directly to individual local school systems. The biennial survey provides national estimates of salaries paid teachers, principals, other supervisory employees assigned to individual school buildings, and to selected central-office positions. Tables 25 and 26 summarize this information for the years 1962-63 through 1970-71.

Table 18 shows that the average salary of the total instructional staff increased from \$5,449 in 1960-61 to \$10,146 in 1971-72, or 86.2 percent. The increase has been slightly higher for elementary-school teachers compared with teachers in secondary schools. In terms of 1970-71 prices, the increase for the total instructional staff was only 32.6 percent for this period. (See Table 19.)

Average salaries paid the total instructional staff for 1960-61 through 1971-72 are shown by region in Table 20. Average salaries paid in the Southeast continue to be the lowest in dollar amounts paid. The *rate* of increase in the Southeast, however, has continued to improve rapidly throughout this period, so that the average salary of \$8,424 is 93.6 percent above that of \$4,351 paid in 1960-61. Major salary improvements in the Plains region in the past two years have caused this region to show the fastest rate of increase in average salaries, slightly exceeding that of the Southeast. The average salary in the Far West continues to be the highest in terms of dollar amount with that of the Midwest area only slightly less.

The average salaries paid the instructional staff in dollar amounts, and as an index of 1961-62 are shown in Tables 21 and 22 on a state-by-state basis for the years 1961-62 through 1971-72.

In 1952-53, only 13.0 percent of all teachers in elementary and secondary public schools were earning

\$4,500 or more, while 62.0 percent received less than \$3,500 (Table 23). It is estimated that in 1971-72, only 19.9 percent are receiving less than \$7,500, with 33.1 percent receiving \$10,500 or more; in fact, 22.7 percent are receiving \$11,500 or more.

In Table 24, average salaries of classroom teachers for the years 1963-64 to 1971-72 are shown. Similar data for the entire instructional staff are continued in Table 20 mentioned above.

Table 25 compares estimated national mean salaries paid teachers with those of various administrative and supervisory personnel for the years 1962-63, 1964-65, 1966-67, 1968-69, and 1970-71. Table 26 provides similar salary information for various central-office administrators in systems with enrollments of 12,000 or more.

Salaries Paid in Colleges and Universities

Median annual salaries of instructional personnel and of certain administrative officers in reporting degree-granting colleges and universities are shown in Table 27 for alternate years from 1957-58 to 1969-70.

For full professors the median salary of \$16,799 in 1969-70 is 108.1 percent higher than the median of \$8,072 in 1957-58. Salaries of other instructional personnel showed slightly smaller increases for this eight-year period. Median salaries paid instructors increased 83.2 percent—from \$4,562 to \$8,357; this is the smallest increase for any of the instructional positions included in the study.

Similar rates of increase, ranging from 84.6 to 134.3 percent, are shown for administrative officers of colleges and universities. Business managers have shown a more rapid rate of increase than any other administrator, with their median salary increasing from \$7,518 in 1957-58 to \$17,615 in 1969-70, or 134.3 percent.

The median salary of full-time instructors in reporting public junior colleges increased 98.4 percent—from \$5,470 in 1955-56 to \$10,850 in 1969-70. These data are presented in Table 28.

Salaries Scheduled in Public Schools

Tables 29 through 34 provide trend information on salaries *scheduled* for teachers, other members of the instructional staff, and selected central-office positions.

Mean scheduled salaries for teachers by preparation level, for all reporting systems with enrollments of 6,000 or more are shown in Table 29 for 1962-63 through 1971-72.

Earlier data are unavailable on a comparable basis since stratification by enrollment was first begun in 1962-63. An index relationship to 1962-63 is also shown.

Table 30 gives similar data for each of the five enrollment strata with enrollments of 6,000 or more. An index relationship to 1962-63 is shown in Table 31.

In Table 32, mean and median scheduled salaries for teachers by geographic region are shown for all systems with enrollments of 6,000 or more which reported salary data for 1971-72. Table 33 shows mean *minimum* starting salaries for teachers with a bachelor's degree, on a regional basis for school years 1965-66 through 1971-72.

Average *maximum* scheduled salaries for principals, counselors, and for certain central-office administrators, including supervisors, coordinators, directors, and

superintendents are shown in Table 34 for the years 1963-64 through 1971-72.

Salaries Scheduled in Colleges and Universities and in Public Junior Colleges

Table 35 shows mean *scheduled* minimum and maximum salaries for instructors, assistant professors, associate professors, and professors in public and nonpublic degree-granting four-year institutions for 1965-66 through 1969-70.

Table 36 summarizes mean minimum and maximum scheduled salaries, classified by preparation level, for public junior colleges for 1965-66 through 1969-70. Table 37 provides similar information for public junior colleges which structure their schedules on professorial rank.

TABLE 18.—ESTIMATED AVERAGE ANNUAL SALARIES OF TOTAL INSTRUCTIONAL STAFF AND OF TEACHERS, 1960-61 THROUGH 1971-72

School year	Average salary of instruc- tional staff	Average salary of teachers		
		Elementary	Secondary	All teachers
1	2	3	4	5
IN DOLLARS				
1960-61	\$ 5,449	\$5,075	\$ 5,543	\$5,275
1961-62	5,700	5,340	5,775	5,515
1962-63	5,921	5,560	5,980	5,732
1963-64	6,240	5,805	6,266	5,995
1964-65	6,465	5,985	6,451	6,195
1965-66	6,935	6,279	6,761	6,485
1966-67	7,129	6,622	7,109	6,830
1967-68	7,630	7,208	7,692	7,423
1968-69	8,272	7,718	8,210	7,952
1969-70	9,047	8,412	8,891	8,635
1970-71	9,698	9,021	9,568	9,269
1971-72	10,146	9,420	10,015	9,690
INDEX: 1960-61 = 100.0				
1960-61	100.0	100.0	100.0	100.0
1961-62	104.6	105.2	104.2	104.6
1962-63	108.7	109.6	107.9	108.7
1963-64	114.5	114.4	113.0	113.6
1964-65	118.6	117.9	116.4	117.4
1965-66	127.3	123.7	122.0	122.9
1966-67	130.8	130.5	128.3	129.5
1967-68	140.0	142.0	138.8	140.7
1968-69	151.8	152.1	148.1	150.7
1969-70	166.0	165.8	160.4	163.7
1970-71	178.0	177.8	172.6	175.7
1971-72	186.2	185.6	180.7	183.7

SOURCE: From U. S. Office of Education, and NEA Research Division, *Estimates of School Statistics*. All indexes computed by NEA Research Division.

TABLE 19.—AVERAGE SALARIES PAID INSTRUCTIONAL STAFF,^a
SCHOOL YEARS 1929-30 THROUGH 1971-72

School Year	Average annual salary			Purchasing power of \$1	
	In current dollars	Purchasing power		In 1960-61 prices	In 1970-71 prices
		In 1960-61 prices	In 1970-71 prices		
1	2	3	4	5	6
1929-30	\$ 1,420	\$2,485	\$ 3,436	\$1.75	\$2.42
1930-31	1,440	2,736	3,758	1.90	2.61
1931-32	1,417	2,990	4,109	2.11	2.90
1932-33	1,316	3,027	4,159	2.30	3.16
1933-34	1,227	2,761	3,804	2.25	3.10
1934-35	1,244	2,724	3,744	2.19	3.01
1935-36	1,283	2,771	3,823	2.16	2.98
1936-37	1,327	2,787	3,835	2.10	2.89
1937-38	1,374	2,872	3,957	2.09	2.88
1938-39	1,408	3,013	4,154	2.14	2.95
1939-40	1,441	3,069	4,222	2.13	2.93
1940-41	1,470	3,072	4,219	2.09	2.87
1941-42	1,507	2,833	3,903	1.88	2.59
1942-43	1,599	2,798	3,838	1.75	2.40
1943-44	1,728	2,955	4,061	1.71	2.35
1944-45	1,846	3,083	4,227	1.67	2.29
1945-46	1,995	3,212	4,409	1.61	2.21
1946-47	2,254	3,111	4,283	1.38	1.90
1947-48	2,639	3,325	4,592	1.26	1.74
1948-49	2,846	3,529	4,867	1.24	1.71
1949-50	3,010	3,793	5,207	1.26	1.73
1950-51	3,126	3,657	5,064	1.17	1.62
1951-52	3,450	3,899	5,347	1.13	1.55
1952-53	3,554	3,980	5,473	1.12	1.54
1953-54	3,825	4,246	5,814	1.11	1.52
1954-55	3,950	4,385	6,043	1.11	1.53
1955-56	4,156	4,613	6,317	1.11	1.52
1956-57	4,350	4,655	6,394	1.07	1.47
1957-58	4,720	4,909	6,750	1.04	1.43
1958-59	4,939	5,087	6,964	1.03	1.41
1959-60	5,159	5,211	7,171	1.01	1.39
1960-61	5,449	5,449	7,520	1.00	1.38
1961-62	5,700	5,643	7,752	.99	1.36
1962-63	5,921	5,803	7,995	.98	1.35
1963-64	6,240	5,990	8,299	.96	1.33
1964-65	6,465	6,142	8,469	.95	1.31
1965-66	6,935	6,450	8,877	.93	1.28
1966-67	7,129	6,416	8,840	.90	1.24
1967-68	7,630	6,638	9,156	.87	1.20
1968-69	8,272	6,866	9,430	.83	1.14
1969-70	9,047	6,876	9,771	.76	1.08
1970-71	9,698	6,983	9,698	.72	1.00
1971-72	10,146 ^b	...	10,044 ^c	...	...

^aIncludes teachers, counselors, school librarians, principals, and other instructional staff assigned to individual school buildings.

^bPreliminary estimate.

^cBased on prices as of September 1971.

TABLE 20.—ESTIMATED AVERAGE ANNUAL SALARIES PAID TOTAL INSTRUCTIONAL STAFF^a, BY REGION, SELECTED SCHOOL YEARS, 1960-61 THROUGH 1971-72

School years	Regions ^b								Total, all regions
	New			Great			Rocky	Far	
	England	Mid-east	Southeast	Lakes	Plains	Southwest	Mountain	West	
1	2	3	4	5	6	7	8	9	10
1960-61	\$ 5,599	\$ 6,208	\$4,351	\$ 5,812	\$4,760	\$4,868	\$5,053	\$ 6,653	\$ 5,449
1961-62	5,818	6,416	4,575	6,052	5,011	5,431	5,279	6,860	5,700
1962-63	6,095	6,647	4,713	6,256	5,327	5,567	5,477	7,076	5,921
1963-64	6,553	7,055	5,009	6,413	5,575	5,664	5,791	7,356	6,240
1964-65	6,819	7,302	5,227	6,641	5,813	5,753	6,067	7,862	6,465
1965-66	7,060	7,655	5,511	6,987	6,039	6,202	6,367	8,187	6,935
1966-67	7,334	7,921	6,021	7,317	6,369	6,265	6,610	8,604	7,129
1967-68	7,783	8,406	6,515	8,207	6,932	6,841	6,911	9,102	7,709
1968-69	8,457	9,027	7,053	8,744	7,550	7,055	7,348	9,757	8,272
1969-70	9,139	10,206	7,582	9,407	8,321	7,854	7,950	10,563	9,047
1970-71	9,966	10,857	8,046	10,182	8,977	8,430	8,652	11,231	9,698
1971-72	10,306	11,393	8,424	10,747	9,468	8,657	9,122	11,653	10,146

INDEX: TOTAL, ALL REGIONS = 100.0

1960-61	102.8	113.9	79.8	106.7	87.4	89.3	92.7	122.1	100.0
1961-62	102.1	112.6	80.3	106.2	87.9	95.3	92.6	120.4	100.0
1962-63	102.9	112.3	79.6	105.7	90.0	94.0	92.5	119.5	100.0
1963-64	105.0	113.1	80.3	102.8	89.3	90.8	92.8	117.9	100.0
1964-65	105.5	112.9	80.9	102.7	89.9	89.0	93.8	121.6	100.0
1965-66	101.8	110.4	79.5	100.7	87.1	89.4	91.8	118.1	100.0
1966-67	102.9	111.1	84.5	102.6	89.3	87.9	92.7	120.7	100.0
1967-68	101.0	109.0	84.5	106.5	89.9	88.7	89.6	118.1	100.0
1968-69	102.2	109.1	85.3	105.7	91.3	85.3	88.8	118.0	100.0
1969-70	101.0	112.8	83.8	104.0	92.0	86.8	87.9	116.8	100.0
1970-71	102.8	112.0	83.0	105.0	92.6	86.9	89.2	115.8	100.0
1971-72	101.6	112.3	83.0	105.9	93.3	85.3	89.9	114.9	100.0

INDEX: 1960-61 = 100.0

1960-61	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1961-62	103.9	103.4	105.1	104.1	105.3	111.6	104.5	103.1	104.6
1962-63	108.9	107.1	108.3	107.6	111.9	114.4	108.4	106.4	108.7
1963-64	117.0	113.6	115.1	110.3	117.1	116.4	114.6	110.6	114.5
1964-65	121.8	117.6	120.1	114.3	122.1	118.2	120.1	118.2	118.6
1965-66	126.1	123.3	126.7	120.2	126.9	127.4	126.0	123.1	127.3
1966-67	131.0	127.6	138.4	125.9	133.8	128.7	130.8	129.3	130.8
1967-68	139.0	135.4	149.7	141.2	145.6	140.5	136.8	136.8	141.5
1968-69	151.0	145.4	162.1	150.4	158.6	144.9	145.4	146.7	151.8
1969-70	163.2	164.4	174.3	161.9	174.8	161.3	157.3	158.8	166.0
1970-71	178.0	174.9	184.9	175.2	188.6	173.2	171.2	168.8	178.0
1971-72	184.1	183.5	193.6	184.9	198.9	177.8	180.5	175.2	186.2

^aIncludes classroom teachers.

^bNEW ENGLAND: Connecticut, Maine, Massachusetts, New Hampshire, Rhode, Vermont. MIDEAST: Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania. SOUTHEAST: Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, West Virginia. GREAT LAKES: Illinois, Indiana, Michigan, Ohio, Wisconsin. PLAINS: Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota. SOUTHWEST: Arizona, New Mexico, Oklahoma, Texas. ROCKY MOUNTAIN: Colorado, Idaho, Montana, Utah, Wyoming. FAR WEST: Alaska, California, Hawaii, Nevada, Oregon, Washington.

TABLE 21.—AVERAGE ANNUAL SALARIES OF INSTRUCTIONAL STAFF BY STATE, SELECTED SCHOOL YEARS, 1961-62 THROUGH 1971-72

State	1961-62	1963-64	1965-66	1967-68	1968-69	1969-70	1970-71	1971-72 ^a
1	2	3	4	5	6	7	8	9
50 states and D.C.	\$5,700	\$6,240	\$6,935	\$7,709	\$ 8,272	\$ 9,047	\$ 9,698	\$10,146
Alabama	4,070	4,820	5,350	5,900	6,159	6,954	7,525	7,887
Alaska	7,350	8,233	8,598	9,660	10,887	10,993	14,025	14,584
Arizona	6,150	6,610	7,165	7,840	8,465	8,975	9,550	10,050
Arkansas	3,678	4,098	4,755	5,702	6,244	6,461	6,715	7,217
California	7,200	7,700	8,600	9,450	10,138	10,950	11,650	12,090
Colorado	5,502	5,950	6,577	7,175	7,523	8,105	9,152	9,655
Connecticut	6,471	7,021	7,562	8,450	8,900	9,597	10,600 ^a	10,800
Delaware	6,242	6,677	7,532	7,994	8,678	9,387	10,157	10,664
Florida	5,549	6,176	6,378	7,700	8,511	8,785	9,230	9,500
Georgia	4,499	4,933	5,550	6,775	7,200	7,520	8,010	8,226
Hawaii	5,625	6,145	7,025	8,176	8,300	9,600	10,475	10,898
Idaho	4,761	5,075	5,856	6,200	6,581	7,081	7,393	7,621
Illinois	6,350	6,707	7,225	8,800	9,100	9,789	10,500	10,961
Indiana	6,081	6,492	7,292	8,269	8,704	9,239	9,914	10,300
Iowa	5,042	5,494	6,067	7,333	8,075	8,779	9,395	9,933
Kansas	5,036	5,448	5,957	6,723	7,217	7,811	8,248	8,580
Kentucky	4,232	4,613	5,200	6,288	6,824	7,325	7,623	7,817
Louisiana	5,246	5,299	5,987	6,980	7,104	7,264	8,570	9,113
Maine	4,619	5,100	5,600	6,525	7,288	8,059	8,650	9,051
Maryland	6,021	6,557	7,105	8,315	9,269	9,885	10,670	11,128
Massachusetts	5,900	6,860	7,350	7,770	8,709	9,347	10,244	10,590
Michigan	6,295	6,703	7,200	8,475	9,492	10,125	11,408	12,092
Minnesota	5,550	6,375	6,800	7,500	8,100	9,250	10,300	10,800
Mississippi	3,623	3,931	4,327	4,821	5,910	5,959	6,202	6,716
Missouri	5,142	5,587	6,027	6,858	7,390	8,064	8,492	9,156
Montana	5,000	5,550	5,900	6,650	7,255	7,875	8,437	8,931
Nebraska	4,400	5,030	5,350	6,250	7,077	7,633	8,400	8,746
Nevada	6,181	6,480	7,322	8,491	8,733	9,615	9,990	10,600
New Hampshire	4,886	5,314	5,843	6,539	7,268	8,016	8,650	9,039
New Jersey	6,300	6,738	7,233	8,162	8,775	9,650	10,560	11,350
New Mexico	5,750	6,222	6,598	7,300	7,609	8,125	8,400	8,450
New York	7,000	7,800	8,400	9,000	9,500	11,240	11,730	12,100
North Carolina	5,087	5,205	5,523	6,494	7,053	7,762	7,948	8,345
North Dakota	4,300	4,915	5,375	6,085	6,524	6,840	7,489	7,620
Ohio	5,700	5,957	6,558	7,631	7,913	8,594	9,040	9,509
Oklahoma	5,069	5,302	5,894	6,253	6,739	7,257	7,690	7,800
Oregon	5,970	6,492	6,953	7,978	8,589	9,200	9,416	9,857
Pennsylvania	5,661	6,143	6,830	7,528	8,223	8,899	9,639	10,300
Rhode Island	5,900	6,300	6,750	7,620	8,178	9,030	9,587	10,268
South Carolina	3,865	4,318	4,847	5,816	6,108	7,069	7,300	7,650
South Dakota	3,900	4,500	4,850	5,700	6,200	7,200	7,561	7,900
Tennessee	4,151	4,770	5,217	6,146	6,621	7,187	7,695	8,150
Texas	5,375	5,539	6,080	6,774	6,853	7,598	8,423	8,650
Utah	5,283	6,106	6,525	6,935	7,377	8,049	8,465	8,981
Vermont	4,780	5,450	5,808	6,585	7,545	8,225	8,603	8,978
Virginia	4,764	5,287	5,898	6,936	7,576	8,364	8,892	9,400
Washington	6,129	6,511	7,185	8,258	8,861	9,792	10,427	10,705
West Virginia	4,432	4,730	5,433	6,335	6,820	7,954	7,980	8,330
Wisconsin	5,603	6,124	6,650	7,504	8,345	9,150	9,850	10,780
Wyoming	5,596	5,840	6,572	7,163	7,827	8,496	9,037	9,611

^aEstimated by NEA Research Division.

TABLE 22.—AVERAGE ANNUAL SALARIES OF INSTRUCTIONAL STAFF BY STATE, SELECTED SCHOOL YEARS, 1961-62 THROUGH 1971-72 (Index: 1961-62 = 100.0)

State	1961-62	1963-64	1965-66	1967-68	1968-69	1969-70	1970-71	1971-72
1	2	3	4	5	6	7	8	9
50 states and D.C.	100.0	109.5	121.7	135.2	145.1	158.7	170.1	178.0
Alabama	100.0	118.4	131.4	145.0	151.3	170.9	184.9	193.8
Alaska	100.0	112.0	117.0	131.4	148.1	149.6	190.8	198.4
Arizona	100.0	107.5	116.5	127.5	137.6	145.9	155.3	163.4
Arkansas	100.0	111.4	129.3	155.0	169.8	175.7	182.6	196.2
California	100.0	106.9	119.4	131.2	140.8	152.1	161.8	167.9
Colorado	100.0	108.1	119.5	130.4	136.7	147.3	166.3	175.5
Connecticut	100.0	108.5	116.9	130.6	137.5	148.3	163.8	166.9
Delaware	100.0	107.0	120.7	128.1	139.0	150.4	162.7	170.8
Florida	100.0	111.3	114.9	138.8	153.4	158.3	166.3	171.2
Georgia	100.0	109.6	123.4	150.6	160.0	167.1	178.0	182.8
Hawaii	100.0	109.2	124.9	145.4	147.6	170.7	186.2	193.7
Idaho	100.0	106.6	123.0	130.2	138.2	148.7	155.3	160.1
Illinois	100.0	105.6	113.8	138.6	143.3	154.2	165.4	172.6
Indiana	100.0	106.8	119.9	136.0	143.1	151.9	163.0	169.4
Iowa	100.0	109.0	120.3	145.4	160.2	174.1	186.3	197.0
Kansas	100.0	108.2	118.3	133.5	143.3	155.1	163.8	170.4
Kentucky	100.0	109.0	122.9	148.6	161.2	173.1	180.1	184.7
Louisiana	100.0	101.0	114.1	133.1	135.4	138.5	163.4	173.7
Maine	100.0	110.4	121.2	141.3	157.8	174.5	187.3	196.0
Maryland	100.0	108.9	118.0	138.1	153.9	164.2	177.2	184.8
Massachusetts	100.0	116.3	124.6	131.7	147.6	158.4	173.6	179.5
Michigan	100.0	106.5	114.4	134.6	150.8	160.8	181.2	192.1
Minnesota	100.0	114.9	122.5	135.1	145.9	166.7	185.6	194.6
Mississippi	100.0	108.5	119.4	133.1	163.1	164.5	171.2	185.4
Missouri	100.0	108.7	117.2	133.4	143.7	156.8	165.1	178.1
Montana	100.0	111.0	118.0	133.0	145.1	157.5	168.7	178.6
Nebraska	100.0	114.3	121.6	142.0	160.8	173.5	190.9	198.8
Nevada	100.0	104.8	118.5	137.4	140.1	155.6	161.6	171.5
New Hampshire	100.0	108.8	119.6	133.8	148.8	164.1	177.0	185.0
New Jersey	100.0	107.0	114.8	129.6	139.3	153.2	167.6	180.2
New Mexico	100.0	108.2	114.7	127.0	132.3	141.3	146.1	147.0
New York	100.0	111.4	120.0	128.6	135.7	160.6	167.6	172.9
North Carolina	100.0	102.3	108.6	127.7	138.6	152.6	156.2	164.0
North Dakota	100.0	114.3	125.0	141.5	151.7	159.1	174.2	177.2
Ohio	100.0	104.5	115.1	133.9	138.8	150.8	158.6	166.8
Oklahoma	100.0	104.6	116.3	123.4	132.9	143.2	151.7	153.9
Oregon	100.0	108.7	116.5	133.6	143.9	154.1	157.7	165.1
Pennsylvania	100.0	108.7	120.7	133.0	145.3	157.2	170.3	181.9
Rhode Island	100.0	106.8	114.4	129.2	138.6	153.1	162.5	174.0
South Carolina	100.0	111.7	125.4	150.5	158.0	182.9	188.9	197.9
South Dakota	100.0	115.4	124.4	146.2	159.0	184.6	193.9	202.6
Tennessee	100.0	114.9	125.7	148.1	159.5	173.1	185.4	196.3
Texas	100.0	103.1	113.1	126.0	127.5	141.4	156.7	160.9
Utah	100.0	115.6	123.5	131.3	139.6	152.4	160.2	170.0
Vermont	100.0	114.0	121.5	137.8	157.8	172.1	180.0	187.8
Virginia	100.0	111.0	123.8	145.6	159.0	175.6	186.6	197.3
Washington	100.0	106.2	117.2	134.7	144.6	159.8	170.1	174.7
West Virginia	100.0	106.7	122.6	142.9	153.9	179.5	180.1	188.0
Wisconsin	100.0	109.3	118.7	133.9	148.9	163.3	175.8	192.4
Wyoming	100.0	104.4	117.4	128.0	139.9	151.8	161.5	171.7

SOURCE: Computed on dollar amounts shown in Table 25.

TABLE 23.—PERCENT DISTRIBUTION OF ESTIMATED ANNUAL SALARIES PAID TEACHERS, 1952-53 THROUGH 1971-72

School year	Annual Salary Ranges										
	Below \$3,500	\$3,500-4,499	\$4,500-5,499	\$5,500-6,499	\$6,500-7,499	\$7,500-8,499	\$8,500-9,499	\$9,500-10,499	\$10,500-11,499	\$11,500 or more	
I	2	3	4	5	6	7	8	9	10	11	
1952-53	62.0%	25.0%	13.0% ^a								
1953-54	55.8	26.6	17.6 ^a								
1954-55	48.5	29.2	22.3 ^a								
1955-56	42.6	31.4	26.0 ^a								
1956-57	35.0	33.0	32.0 ^a								
1957-58	25.6	33.5	40.9 ^a								
1958-59	17.0	31.7	26.7	15.7%							
1959-60	12.8	29.7	28.2	17.4	8.9% ^b						
1960-61	9.2	26.0	27.2	19.3	11.9 ^b						
1961-62	5.7	20.9	28.9	22.6	10.9	7.4% ^c					
1962-63	4.3	17.7	28.0	23.4	12.9	9.0 ^c					
1963-64	2.7	14.2	28.6	24.2	14.5	8.1	4.0% ^d				
1964-65	1.6	11.9	27.0	24.7	15.1	9.0	6.3 ^d				
1965-66	0.8	8.0	22.7	26.8	16.6	10.1	5.5	2.6% ^f			
1966-67	0.3	4.1	19.7	26.7	19.1	11.5	6.6	4.5 ^f			
1967-68	(— 2.1 ^e)	(—)	11.5	25.5	19.8	13.2	8.6	4.5	3.1% ^f		
1968-69	(— 6.9 ^g)	(—)	(—)	18.1	22.0	15.3	10.5	6.6	6.5 ^f		
1969-70	(— 2.9 ^g)	(—)	(—)	13.2	24.5	18.1	13.4	8.6	6.0	4.3%	
1970-71	(— .5 ^g)	(—)	(—)	7.2	20.5	19.7	14.4	11.4	7.7	10.3	
1971-72	(—)	(—)	19.9 ^h		15.6	18.4	16.7	14.9	11.3	14.5	
						17.7	15.9	13.4	10.4	22.7	

^a\$4,500 or more; detailed breakdown not available.
^b\$6,500 or more; detailed breakdown not available.
^c\$7,500 or more; detailed breakdown not available.
^d\$8,500 or more; detailed breakdown not available.
^eBreakdown below \$4,500 not available.
^fDetailed breakdown not computed.
^gBreakdown below \$5,500 not computed.
^hBreakdown below \$7,500 not computed.

TABLE 24.—AVERAGE SALARIES PAID TEACHERS, BY REGION, 1963-64 TO 1971-72

Year	New England										Total, all regions
	2	3	4	5	6	7	8	9	10		
1963-64	\$6,326	\$ 6,818	\$4,874	\$ 6,236	\$5,429	\$5,496	\$5,641	\$ 7,041	\$ 7,041	\$5,995	
1964-65	6,583	6,928	5,039	6,417	5,662	5,580	5,864	7,462	7,462	6,195	
1965-66	6,798	7,185	5,333	6,722	5,879	6,033	6,159	7,760	7,760	6,485	
1966-67	7,087	7,475	5,797	7,096	6,202	6,089	6,377	8,154	8,154	6,830	
1967-68	7,478	8,065	6,281	7,977	6,717	6,632	6,674	8,731	8,731	7,423	
1968-69	8,007	8,679	6,826	8,458	7,326	6,832	7,048	9,301	9,301	7,952	
1969-70	8,694	9,655	7,319	9,137	7,947	7,401	7,632	10,015	10,015	8,635	
1970-71	9,427	10,264	7,738	9,836	8,641	8,191	8,224	10,659	10,659	9,269	
1971-72**	9,716	10,790	8,113	10,312	9,085	8,428	8,686	11,067	11,067	9,690	

*Excludes Alaska and Hawaii.

** Advance estimates.

TABLE 25.—MEAN SALARIES PAID TEACHERS AND CERTAIN OTHER PUBLIC-SCHOOL PERSONNEL, NATIONAL ESTIMATES 1962-63 TO 1970-71

Position	Average salary paid										
	1962-63	1964-65	1966-67	1968-69	1970-71	1962-63	1966-67	1968-69	1968-69	1970-71	
1	2	3	4	5	6	7	8	9	10	11	
Teachers	\$ 5,732	\$ 6,195	\$ 6,830	\$ 7,952	\$ 9,269	100.0	108.1	119.2	138.7	161.7	
Supervising principals (total)	8,193	9,138	10,211	12,165	15,197	100.0	111.5	124.6	148.5	185.5	
Elementary school	7,972	8,903	9,957	11,957	15,126	100.0	111.7	124.9	150.0	189.7	
Junior high school	9,176	10,253 ^b	11,226 ^c	13,032 ^d	15,808	100.0	111.7	122.3	142.0	172.3	
Senior high school	8,473	9,457	10,507	12,348	15,042	100.0	111.6	124.0	145.7	177.5	
Counselors	7,390	8,058	8,630	10,279	12,051	100.0	109.0	116.8	139.1	163.1	
School librarians	6,145	6,721	7,006	8,400	9,806	100.0	109.4	114.0	136.7	159.6	
School nurses	5,650	6,215	6,664	7,292	8,634	100.0	110.0	117.9	129.1	152.8	
Superintendents	10,186	11,227	12,975	15,131	17,680	100.0	110.2	127.4	148.5	173.6	

^a Mean salaries of junior high-school principals are higher than those of senior high-school principals because junior high schools tend to be found in the large school systems where salaries of principals generally are relatively higher than in small districts.

NOTE: Salaries for teachers from *Estimates of School Statistics*, various years. Salaries for all other positions shown from *Biennial Salary Survey*, various years.



TABLE 26.-MEAN SALARIES PAID CENTRAL-OFFICE ADMINISTRATIVE AND SUPERVISORY PERSONNEL, SCHOOL SYSTEMS WITH ENROLLMENTS OF 12,000 OR MORE^c

Position	Average salary paid					Index: Salary paid teachers = 100.0				
	1962-63	1964-65	1966-67	1968-69	1970-71	1962-63	1964-65	1966-67	1968-69	1970-71
TEACHERS ^b	2	3	4	5	6	7	8	9	10	11
CENTRAL-OFFICE ADMINISTRATORS										
Superintendents	18,911	20,372	22,693	25,794	29,102	301.9	305.5	305.5	302.7	298.1
Deputy, associate, or assistant superintendents	14,737	15,849	17,378	20,001	22,197 ^e	235.3	237.7	234.0	234.8	227.4
Administrative assistant to the superintendent	11,046	12,174	13,866	15,799	18,323	176.4	182.5	186.7	185.4	187.7
General administration officers for:										
Employed personnel	11,017	12,005	13,346	15,355	17,462	175.9	180.0	179.7	180.2	178.9
Research	10,799	12,207	13,017	15,148	16,996	172.4	183.0	175.2	177.8	174.1
Food services	8,272	8,981	9,676	11,215	12,622	132.1	134.7	130.3	131.6	129.3
Health services	8,892	11,754	11,906	12,969	12,775	142.0	176.2	160.3	152.2	130.9
Community relations	^c	11,463	12,328	13,988	16,426	^c	171.9	166.0	164.2	168.3
Pupil transportation	^c	8,741	9,776	11,448	12,649	^c	131.1	131.6	134.4	129.6
Administrators for finance, business, and school plant:										
General finance ^d	10,664	12,122	13,167	15,045	17,797	170.3	181.8	177.3	176.6	182.3
Purchasing	8,651	9,775	10,471	11,803	13,699	138.1	146.6	141.0	138.5	140.3
Accounting and auditing	^c	9,417	10,350	11,916	13,786	^c	141.2	139.3	139.9	141.2
Building, operation and maintenance	8,835	9,728	10,550	12,122	13,838	141.1	145.9	142.0	142.3	141.8
Building, planning and construction	10,199	11,306	12,238	14,203	16,409	162.8	169.5	164.8	166.8	168.1
Officers for instructional administration:										
General instruction	\$ 9,630	\$11,830	\$12,696	\$14,820	\$17,636	153.8	177.4	170.9	173.9	180.7
Elementary education	9,605	10,998	11,795	13,835	15,925	153.4	164.9	158.8	162.4	163.1
Secondary education	10,262	12,044	12,152	14,621	17,997	163.9	180.6	163.6	171.6	184.4
Adult education	10,539	11,600	12,476	14,756	16,866	168.3	173.9	168.0	173.2	172.8
Special education	8,269	10,922	11,605	13,686	15,513	132.0	163.8	156.2	160.6	158.9
Library services	10,305	10,005	10,921	12,689	14,130	164.5	150.0	147.0	148.9	144.8
Instructional materials, and audio-visual instruction	9,140	10,699	11,754	13,435	15,654	145.9	160.4	158.2	157.7	160.4

TABLE 26.—MEAN SALARIES PAID CENTRAL-OFFICE ADMINISTRATIVE AND SUPERVISORY PERSONNEL, SCHOOL SYSTEMS WITH ENROLLMENTS OF 12,000 OR MORE^a (Continued)

Position	Average salary paid					Index: Salary paid teachers = 100.0				
	1962-63	1964-65	1966-67	1968-69	1970-71	1962-63	1964-65	1966-67	1968-69	1970-71
I	2	3	4	5	6	7	8	9	10	11
Administrators for special subject areas:										
Art	9,329	10,318	11,198	13,195	15,435	149.0	154.7	150.8	154.9	158.1
Home economics	9,751	10,823	11,806	13,553	15,391	155.7	162.3	158.9	159.1	157.7
Industrial arts	10,075	11,351	12,444	14,451	16,816	160.9	170.2	167.5	169.6	172.3
Music	9,045	10,263	11,341	13,145	15,107	144.4	153.9	152.7	154.3	151.8
Physical and health education	9,886	10,833	11,855	13,739	15,868	157.8	162.4	159.6	161.3	162.6
Vocational education	9,727	10,995	12,177	14,045	16,263	155.3	164.9	163.9	164.8	166.6
Mathematics and/or science	9,797	10,453	11,535	13,562	15,457	156.4	156.7	155.3	159.2	158.4
Foreign languages	c	10,339	11,684	13,578	16,214	c	155.0	157.3	159.4	166.1
Administrators for pupil personnel services:										
General pupil personnel services	9,808	11,306	12,465	14,371	14,844	156.6	169.5	167.8	168.7	152.1
Attendance	8,662	9,154	10,542	12,172	17,635	138.3	137.3	141.9	142.9	180.7
Guidance	9,024	10,849	12,471	13,572	15,362	144.1	162.7	167.9	159.3	157.4

^aData not tabulated for smaller systems.

^bSalaries shown here are average salaries of teachers in systems with enrollments of 12,000 or more.

^cNot computed.

^dIncludes controller, business manager, treasurer, and other positions in general finance not elsewhere classified.

^eFor assistant superintendents only.

TABLE 27.--MEDIAN ANNUAL SALARIES OF INSTRUCTIONAL PERSONNEL AND ADMINISTRATIVE OFFICERS, COLLEGES AND UNIVERSITIES, 1957-58 TO 1969-70*

Position	1957-58	1959-60	1961-62	1963-64	1965-66	1967-68	1969-70
	2	3	4	5	6	7	8
INSTRUCTIONAL PERSONNEL--ALL DEGREE-GRANTING INSTITUTIONS							
Full-time, all ranks	\$ 6,015	\$ 6,711	\$ 7,486	\$ 8,163	\$ 9,081	\$10,235	\$11,745
Professors	8,072	9,107	10,256	11,312	12,953	14,713	16,799
Associate professors	6,563	7,332	8,167	8,969	10,058	11,393	12,985
Assistant professors	5,595	6,231	6,900	7,539	8,417	9,472	10,698
Instructors	4,562	5,095	5,582	6,114	6,761	7,458	8,357
ADMINISTRATIVE OFFICERS							
President	12,407	13,827	15,375	17,330	19,638	22,303	25,979
Vice-president	12,013	14,154	16,000	17,130	19,012	21,458	23,250
Dean of the college	8,411	10,723	12,230	13,644	15,703	16,141	19,125
Dean of students	7,610	8,796	9,592	10,691	12,027	14,086	16,050
Dean of men	6,658	7,280	8,202	9,144	9,783	10,983	12,319
Dean of women	6,006	6,638	7,399	8,216	9,209	10,289	11,406
Dean of admissions	6,728	7,680	8,636	9,572	10,364	11,446	12,983
Registrar	6,032	6,340	7,312	8,142	9,123	10,366	11,743
Business manager	7,518	8,536	9,405	10,512	11,780	14,914	17,615
Chief librarian	6,134	7,078	8,163	8,883	10,225	11,817	13,439
Director of public relations	6,420	7,194	7,659	8,440	9,596	10,823	12,764
Director of athletics	7,292	8,104	8,930	9,871	11,125	12,470	14,311
Head football coach	7,077	7,824	8,554	9,321	10,716	11,488	13,395
Head basketball coach	6,382	6,888	7,700	8,542	9,383	10,485	11,779

INDEX: 1957-58 = 100.0

**INSTRUCTIONAL PERSONNEL--ALL.
DEGREE-GRANTING INSTITUTIONS**

Full-time, all ranks	100.0	111.6	124.5	135.7	151.0	170.2	195.3
Professors	100.0	112.8	127.1	140.1	160.5	182.3	208.1
Associate professors	100.0	111.7	124.4	136.7	153.3	173.6	197.9
Assistant professors	100.0	111.4	123.3	134.7	150.4	169.3	191.2
Instructors	100.0	111.7	122.4	134.0	148.2	163.5	183.2
ADMINISTRATIVE OFFICERS							
President	100.0	111.4	123.9	139.7	158.3	179.8	209.4
Vice-president	100.0	117.8	133.2	142.6	158.3	178.6	193.5
Dean of the college	100.0	127.5	145.4	162.2	186.7	191.9	227.4
Dean of students	100.0	115.6	126.0	140.5	158.0	185.1	210.9
Dean of men	100.0	109.3	123.2	137.3	146.9	165.0	185.0
Dean of women	100.0	110.5	123.2	136.8	153.3	171.3	189.9
Dean of admissions	100.0	114.1	128.4	142.3	154.0	170.1	193.0
Registrar	100.0	105.1	121.2	135.0	151.2	171.8	194.7
Business manager	100.0	113.5	125.1	139.8	156.7	198.4	234.3
Chief librarian	100.0	115.4	133.1	144.8	166.7	192.6	219.1
Director of public relations	100.0	112.1	119.3	131.5	149.5	168.6	198.8
Director of athletics	100.0	111.1	122.5	135.4	152.6	171.0	196.3
Head football coach	100.0	110.6	120.9	131.7	151.4	162.3	189.3
Head basketball coach	100.0	107.9	120.7	133.8	147.0	164.3	184.6

^aData for 1970-71 in process at press time.

TABLE 28.—MEDIAN SALARIES PAID TO FULL-TIME TEACHERS IN PUBLIC JUNIOR COLLEGES, 1955-56 TO 1969-70^a

School year	Median salary	
	Dollar amount	Index—1955-56 equals 100.0
1	2	3
1955-56	\$ 5,470	100.0
1957-58	6,261	114.5
1959-60	6,578	120.3
1961-62	7,212	131.8
1963-64	7,828	143.1
1965-66	8,361	152.9
1967-68	9,165	167.6
1969-70	10,850	198.4

^aData for 1970-71 in process at press time.

TABLE 29.—MEAN SCHEDULED SALARIES OF TEACHERS BY PREPARATION LEVEL, 1962-63 THROUGH 1970-71 (Reporting school systems with enrollments of 6,000 or more)

Preparation level	School year											Percent change, 1971-72 over 1970-71
	1962-63	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70	1970-71	1971-72	1971-72	
Number of reporting systems ^a	557	918	1,063	1,071	1,104	1,080	1,199	1,142	1,176	1,179	1,179	...
Mean scheduled salary for:												
Minimum												
Bachelor's degree	\$4,331	\$4,564	\$4,707	\$4,925	\$5,144	\$ 5,322	\$ 5,941	\$ 6,383	\$ 6,850	\$ 7,061	\$ 7,061	3.1
Master's degree	4,680	4,946	5,085	5,350	5,600	6,043	6,546	7,058	7,599	7,837	7,837	3.1
Six years (M.A.+30)	5,310	5,648	5,705	5,900	6,151	6,585	7,154	7,673	8,266	8,501	8,501	2.8
Doctor's degree	5,417	5,724	5,723	6,057	6,350	6,882	7,471	8,070	8,712	8,943	8,943	2.7
Maximum												
Bachelor's degree	6,426	6,744	6,937	7,262	7,590	8,133	8,690	9,278	10,012	10,299	10,299	2.9
Master's degree	7,054	7,487	7,723	8,167	8,578	9,248	9,981	10,717	11,630	11,973	11,973	2.9
Six years (M.A.+30)	8,236	8,650	8,975	9,385	9,808	10,399	11,273	12,002	12,975	13,308	13,308	2.6
Doctor's degree	8,199	8,602	8,917	9,452	9,936	10,751	11,602	12,452	13,461	13,805	13,805	2.6

INDEX RELATIONSHIP (BACHELOR'S DEGREE MINIMUM = 100.0)

Mean scheduled salary for:

Minimum

Bachelor's degree	100.0
Master's degree ^b	108.1
Six years (M.A.+30)	122.6
Doctor's degree ^c	125.1

Maximum

Bachelor's degree	148.4
Master's degree	162.9
Six years (M.A.+30)	190.2
Doctor's degree	189.3

^aNot all systems report all preparation salary classes.

^bIf master's degree is not recognized, 5-year preparation level is used in tabulation of salary data.

^cFor earned doctor's degree or seven years of preparation.

TABLE 30.—COMPARISON OF MEAN SCHEDULED SALARIES FOR TEACHERS, 1962-63 THROUGH 1971-72, BY ENROLLMENT STRATIFICATION (Reporting systems with enrollments of 6,000 or more)

School year and enrollment	Number of reporting systems*	Mean scheduled salary							
		Bachelor's degree		Master's degree		Six years (M.A. + 30)		Doctor's degree (or 7 years)	
		Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
1	2	3	4	5	6	7	8		
STRATUM 1—ENROLLMENT 100,000 OR MORE									
1962-63	19	\$4,701	\$ 7,183	\$5,057	\$ 7,800	\$ 8,556	\$ 8,542		
1963-64	19	4,847	7,472	5,213	8,084	8,937	8,866		
1964-65	21	4,897	7,742	5,254	8,344	9,340	9,211		
1965-66	24	5,199	8,342	5,624	9,018	9,532	9,932		
1966-67	24	5,362	8,575	5,848	9,355	9,973	10,426		
1967-68	25	5,848	9,192	6,413	10,117	10,770	11,381		
1968-69	25	6,297	9,862	6,900	10,891	11,793	12,342		
1969-70	26	6,874	10,549	7,540	11,821	12,761	13,147		
1970-71	27	7,237	11,252	7,936	12,687	13,551	14,021		
1971-72	27	7,503	11,684	8,215	13,170	14,028	14,371		
STRATUM 2—ENROLLMENT 50,000-99,999									
1962-63	41	4,496	6,896	4,839	7,406	8,584	8,283		
1963-64	46	4,586	6,997	4,934	7,555	8,603	8,490		
1964-65	48	4,730	7,207	5,080	7,840	8,581	8,759		
1965-66	47	4,964	7,450	5,346	8,209	8,817	9,077		
1966-67	49	5,268	7,971	5,712	8,892	9,852	9,975		
1967-68	53	5,573	8,325	6,069	9,341	10,230	10,477		
1968-69	54	5,940	8,843	6,482	9,924	10,869	11,358		
1969-70	52	6,363	9,398	6,972	10,676	11,642	12,037		
1970-71	53	6,821	10,073	7,506	11,543	12,541	13,209		
1971-72	54	6,957	10,244	7,649	11,734	12,830	13,327		

STRATUM 3-ENROLLMENT
25,000-49,999

1962-63	67	4,362	6,479	4,683	7,088	8,019	8,041
1963-64	71	4,569	6,824	4,925	7,522	8,467	8,520
1964-65	72	4,737	7,112	5,121	7,920	9,000	8,921
1965-66	79	4,986	7,436	5,388	8,366	9,344	9,573
1966-67	83	5,222	7,773	5,681	8,754	9,747	9,957
1967-68	90	5,617	8,292	6,139	9,417	10,494	10,840
1968-69	89	6,008	8,807	6,612	10,073	11,159	11,465
1969-70	93	6,408	9,263	7,064	10,651	11,814	11,984
1970-71	103	6,890	10,155	7,665	11,715	13,009	13,373
1971-72	99	7,116	10,424	7,939	12,131	13,388	13,743

STRATUM 4-ENROLLMENT
12,000-24,999

1962-63	198	\$4,361	\$ 6,436	\$4,702	\$ 7,068	\$ 8,213	\$ 8,143
1963-64	242	4,594	6,764	4,974	7,480	8,708	8,460
1964-65	266	4,726	6,966	5,099	7,755	9,112	8,805
1965-66	300	4,909	7,183	5,330	8,076	9,516	9,313
1966-67	289	5,127	7,541	5,582	8,521	9,871	9,734
1967-68	303	5,538	8,113	6,065	9,233	10,493	10,666
1968-69	324	5,971	8,713	6,580	10,045	11,375	11,648
1969-70	307	6,420	9,313	7,122	10,853	12,237	12,633
1970-71	318	6,893	10,090	7,675	11,776	13,074	13,579
1971-72	316	7,120	10,383	7,911	12,150	13,482	13,994

STRATUM 5-ENROLLMENT
6,000-11,999

1962-63	232	4,238	6,256	4,599	6,907	8,249	8,254
1963-64	540	4,537	6,678	4,928	7,458	8,648	8,690
1964-65	656	4,689	6,861	5,070	7,660	8,933	8,970
1965-66	621	4,911	7,222	5,344	8,148	9,361	9,523
1966-67	659	5,124	7,525	5,581	8,529	9,777	10,007
1967-68	609	5,483	8,060	6,001	9,187	10,335	10,772
1968-69	707	5,906	8,612	6,514	9,912	11,248	11,584
1969-70	664	6,344	9,204	7,010	10,624	11,914	12,446
1970-71	675	6,811	9,899	7,547	11,513	12,929	13,408
1971-72	683	7,017	10,192	7,787	11,840	13,214	13,741

*Not all systems recognize all preparation levels.

TABLE 31.—COMPARISON OF MEAN SCHEDULED SALARIES FOR TEACHERS, 1962-63 THROUGH 1971-72, BY ENROLLMENT STRATIFICATION (Reporting systems with enrollments of 6,000 or more)

School year and enrollment	Number of reporting systems*	Mean scheduled salary											
		Bachelor's degree		Master's degree		Six years (M.A. +30)		Doctor's degree (or 7 years)					
		Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum		
1	2	3	4	5	6	7	8						
INDEX: 1962-63 = 100.0													
STRATUM 1													
1962-63	19	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1963-64	19	103.1	104.0	103.1	103.6	103.3	103.8	103.3	103.6	103.3	103.8	103.3	103.8
1964-65	21	104.2	107.8	103.9	107.0	109.2	107.8	109.2	107.0	109.2	107.8	109.2	107.8
1965-66	24	110.6	116.1	111.2	115.6	111.4	116.3	111.4	115.6	111.4	116.3	111.4	116.3
1966-67	24	114.1	119.4	115.6	119.9	116.6	122.1	116.6	119.9	116.6	122.1	116.6	122.1
1967-68	25	124.4	128.0	126.8	129.7	125.9	133.2	125.9	129.7	125.9	133.2	125.9	133.2
1968-69	25	134.0	137.3	136.4	139.6	137.8	144.5	137.8	139.6	137.8	144.5	137.8	144.5
1969-70	26	146.2	146.9	149.1	151.6	149.1	153.9	149.1	151.6	149.1	153.9	149.1	153.9
1970-71	27	153.9	156.6	156.9	162.7	158.4	164.1	158.4	162.7	158.4	164.1	158.4	164.1
1971-72	27	159.6	162.7	162.4	168.8	166.1	168.2	166.1	168.8	166.1	168.2	166.1	168.2
STRATUM 2													
1962-63	41	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1963-64	46	102.0	101.5	102.0	102.0	102.0	102.5	102.0	102.0	100.2	102.5	100.2	102.5
1964-65	48	105.2	104.5	105.0	105.9	105.0	105.7	105.0	105.9	100.0	105.7	100.0	105.7
1965-66	47	110.4	108.0	110.5	110.8	110.5	109.6	110.5	110.8	102.7	109.6	102.7	109.6
1966-67	49	117.2	115.6	118.0	120.1	118.0	120.4	118.0	120.1	114.8	120.4	114.8	120.4
1967-68	53	124.0	120.7	125.4	126.1	125.4	126.5	125.4	126.1	119.2	126.5	119.2	126.5
1968-69	54	132.1	128.2	134.0	134.0	134.0	137.1	134.0	134.0	126.6	137.1	126.6	137.1
1969-70	52	141.5	136.3	144.1	144.2	144.1	145.3	144.1	144.2	135.6	145.3	135.6	145.3
1970-71	53	151.7	146.1	155.1	155.9	155.1	159.5	155.1	155.9	146.1	159.5	146.1	159.5
1971-72	54	154.7	148.5	158.1	158.4	158.1	160.9	158.1	158.4	149.5	160.9	149.5	160.9

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STRATUM 3									
1962-63	67	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1963-64	71	104.7	105.3	105.2	106.1	105.6	106.0	106.0	106.0
1964-65	72	108.6	109.8	109.4	111.7	112.2	110.9	110.9	110.9
1965-66	79	114.3	114.8	115.1	118.0	116.5	119.1	119.1	119.1
1966-67	83	119.7	120.0	121.3	123.5	121.5	123.8	123.8	123.8
1967-68	90	128.8	128.0	131.1	132.9	130.9	134.8	134.8	134.8
1968-69	89	137.7	135.9	141.2	142.1	139.2	142.6	142.6	142.6
1969-70	93	146.9	143.0	150.8	150.3	147.3	150.3	150.3	150.3
1970-71	103	158.0	156.7	163.7	165.3	162.2	166.3	166.3	166.3
1971-72	99	163.1	160.9	169.5	171.1	167.0	170.9	170.9	170.9
STRATUM 4									
1962-63	198	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1963-64	242	105.3	105.1	105.8	105.8	106.0	103.9	103.9	103.9
1964-65	266	108.4	108.2	108.4	109.7	110.9	108.1	108.1	108.1
1965-66	300	112.6	111.6	113.4	114.3	115.9	114.4	114.4	114.4
1966-67	289	117.6	117.2	118.7	120.6	120.2	119.5	119.5	119.5
1967-68	303	127.0	126.1	129.0	130.6	127.8	131.0	131.0	131.0
1968-69	324	136.9	135.4	139.9	142.1	138.5	143.0	143.0	143.0
1969-70	307	147.2	144.7	151.7	153.6	149.0	155.1	155.1	155.1
1970-71	318	158.1	156.8	163.2	166.6	159.2	166.8	166.8	166.8
1971-72	316	163.3	161.3	168.2	171.9	164.2	171.9	171.9	171.9
STRATUM 5									
1962-63	232	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1963-64	540	107.1	106.7	107.2	108.0	104.8	105.3	105.3	105.3
1964-65	656	110.6	109.7	110.2	110.9	108.3	108.7	108.7	108.7
1965-66	621	115.9	115.4	116.2	118.0	113.5	115.4	115.4	115.4
1966-67	659	120.9	120.3	121.4	123.5	118.5	121.2	121.2	121.2
1967-68	609	129.4	128.8	130.5	133.0	125.3	130.5	130.5	130.5
1968-69	707	139.4	137.7	141.6	143.5	136.4	140.3	140.3	140.3
1969-70	664	149.7	147.1	152.4	153.8	144.4	150.8	150.8	150.8
1970-71	675	160.7	158.2	164.1	166.7	156.7	162.4	162.4	162.4
1971-72	683	165.6	162.9	169.3	171.4	160.2	166.5	166.5	166.5

*Not all systems recognize all preparation levels.

TABLE 32.—1971-72 MEAN AND MEDIAN SCHEDULED SALARIES FOR CLASSROOM TEACHERS, BY GEOGRAPHIC REGION^a
Reporting Systems With Enrollments of 6,000 or More (Strata 1-5)

Preparation level	New England										Total, all Regions
	2	3	4	5	6	7	8	9	10		
NUMBER OF SYSTEMS REPORTING	67	184	335	182	84	87	43	197	1,179		
PERCENT OF TOTAL	5.7	15.6	28.4	15.4	7.1	7.4	3.6	16.7	99.9		
BACHELOR'S DEGREE MINIMUM											
Mean	\$ 7,431	\$ 7,723	\$ 6,482	\$ 7,463	\$ 7,102	\$ 6,638	\$ 6,577	\$ 7,205	\$ 7,061		
Median	7,400	7,630	6,400	7,450	7,138	6,650	6,650	7,200	7,005		
Range:											
Low	6,400	6,500	5,484	5,625	6,100	6,000	5,800	6,000	5,484		
High	8,575	9,400	7,575	9,333	7,825	7,500	7,288	10,500	10,500		
MASTER'S DEGREE MAXIMUM											
Mean	12,744	13,975	9,691	13,468	12,922	10,480	11,540	12,681	11,973		
Median	12,600	13,700	9,611	13,401	12,666	10,380	11,458	12,695	12,078		
Range:											
Low	10,500	10,800	6,800	9,205	8,900	8,000	8,969	9,300	6,800		
High	15,850	17,754	16,400	16,599	15,980	13,790	14,000	16,905	17,754		
MAXIMUM SCHEDULED SALARY FOR HIGHEST PREPARATION LEVEL RECOGNIZED											
Mean	14,084	15,472	10,673	14,635	14,448	11,149	13,034	14,618	13,277		
Median	13,650	15,116	10,721	14,467	14,345	10,810	13,124	14,586	13,428		
Range:											
Low	11,650	11,700	6,800	9,205	9,100	8,000	9,085	10,180	6,800		
High	18,239	20,950	18,196	19,600	18,772	15,594	17,195	21,000	21,000		
INDEX—MEAN SCHEDULED SALARY FOR ALL REGIONS EQUALS 100.0											
Bachelor's degree minimum	105.24	109.28	91.80	105.69	100.58	94.01	93.15	102.04	100.00		
Master's degree maximum	106.44	116.72	80.94	112.49	107.93	87.53	96.38	105.91	100.00		
Maximum for highest preparation level recognized	106.08	116.53	80.39	110.23	108.82	83.97	98.17	110.10	100.00		

^aFor regional grouping of the states see Table 20.

TABLE 33.—MEAN MINIMUM SCHEDULED SALARIES FOR TEACHERS WITH A BACHELOR'S DEGREE, BY REGION, 1965-66 TO 1971-72
(Reporting Systems with Enrollments of 6,000 or More)

School year	New England	Mid-east	South-east	Great Lakes	Plains	South-west	Rocky Mountain	Far West	Total, all regions
1	2	3	4	5	6	7	8	9	10
1965-66	\$5,119	\$5,222	\$4,280	\$5,135	\$4,991	\$4,740	\$4,887	\$5,438	\$4,923
1966-67	5,329	5,423	4,609	5,355	5,151	4,860	5,023	5,645	5,145
1967-68	5,680	5,756	5,034	5,759	5,549	5,329	5,250	5,953	5,523
1968-69	6,117	6,285	5,411	6,287	6,038	5,506	5,580	6,321	5,941
1969-70	6,633	6,779	5,817	6,753	6,473	6,030	5,951	6,720	6,383
1970-71	7,182	7,307	6,210	7,262	6,924	6,532	6,328	7,062	6,850
1971-72	7,431	7,723	6,482	7,463	7,102	6,638	6,577	7,205	7,061
Percent increase, 1971-72 over 1970-71	3.5	5.7	4.1	2.8	2.6	1.6	3.9	2.0	3.1
INDEX: 1965-66 = 100.0									
1965-66	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1966-67	104.1	103.8	107.7	104.3	103.2	102.5	102.8	103.3	104.5
1967-68	111.0	110.2	117.6	112.2	111.2	112.4	107.4	109.5	112.2
1968-69	119.5	120.4	126.4	122.4	121.4	116.2	114.2	116.2	120.7
1969-70	129.6	129.8	135.9	131.5	129.8	127.2	121.8	123.6	129.7
1970-71	140.3	139.9	145.1	141.4	138.7	137.8	129.5	129.9	139.1
1971-72	145.2	147.9	151.4	145.3	142.3	140.0	134.6	132.5	143.4

TABLE 34.—MEAN MAXIMUM SCHEDULED SALARIES FOR TEACHERS AND FOR SUPERVISORY AND ADMINISTRATIVE PERSONNEL, 1963-64 TO 1971-72, LARGE SCHOOL SYSTEMS

(Reporting Systems with Enrollments of 25,000 or More)

Position	School year										Percent change,	
	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70	1970-71	1971-72	1971-72 over 1970-71	1971-72 over 1970-71	
TEACHERS ^a	\$ 8,213	\$ 8,611	\$ 9,025	\$ 9,788	\$10,530	\$11,254	\$12,274	\$13,317	\$13,650		2.5	
SUPERVISING PERSONNEL ASSIGNED TO INDIVIDUAL BUILDINGS												
Supervising principals												
Elementary	11,345	11,732	12,499	13,295	14,378	15,428	16,657	18,113	18,656		3.0	
Junior high	11,981	12,301	13,115	14,058	15,120	16,289	17,521	19,195	19,771		3.0	
Senior high	12,682	13,236	14,062	14,973	16,188	17,408	18,735	20,462	21,089		3.1	
Assistant principals												
Elementary	10,129	10,649	11,316	12,027	12,825	13,596	14,742	16,274	16,742		2.9	
Junior high	10,419	10,820	11,460	12,120	13,207	14,128	14,986	16,664	17,087		2.5	
Senior high	10,770	11,298	11,889	12,656	13,776	14,766	15,806	17,400	17,794		2.3	
Counselors	9,183	9,421	10,314	10,960	11,844	12,525	13,484	14,584	15,263		4.7	
Deans	10,061	10,278	11,170	11,764	12,911	14,009	14,596	15,450	16,236		5.1	
CENTRAL-OFFICE ADMINISTRATORS												
Supervisors	12,286	11,756	12,469	13,572	14,492	15,716	16,684	18,152	18,835		3.8	
Consultants and/or coordinators	10,924	11,774	12,227	13,938	15,094	16,140	17,523	18,947	19,340		2.1	
Directors	13,520	14,184	14,853	16,011	17,061	18,252	19,581	21,393	21,990		2.8	
Assistant superintendents	16,069	17,675	18,415	19,246	20,466	21,746	22,929	24,613	25,674		4.3	
Superintendents ^b	22,522	23,538	24,909	26,017	27,360	28,772	30,398	32,511	34,050		4.7	

(MEAN MAXIMUM SALARY FOR CLASSROOM TEACHERS = 100.0)

TEACHERS	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
SUPERVISING PERSONNEL ASSIGNED TO INDIVIDUAL BUILDINGS												
Supervising principals												
Elementary	138.1	136.2	138.5	135.8	136.5	137.1	135.7	136.0	136.7			
Junior high	145.9	142.9	145.3	143.6	143.6	144.7	142.7	144.1	144.8			
Senior high	154.4	153.7	155.8	153.0	153.7	154.7	152.6	153.7	154.5			
Assistant principals												
Elementary	123.3	123.7	125.4	122.9	121.8	120.8	120.1	122.2	122.7			
Junior high	126.9	125.7	127.0	123.8	125.4	125.5	122.1	125.1	125.2			
Senior high	131.1	131.2	131.7	129.3	130.8	131.2	128.8	130.7	130.4			
Counselors	111.8	109.4	114.3	112.0	112.5	111.3	109.9	109.5	111.8			
Deans	122.5	119.4	123.8	120.2	122.6	124.5	118.9	116.0	118.9			
CENTRAL-OFFICE ADMINISTRATORS												
Supervisors	149.6	136.5	138.2	138.7	137.6	139.6	135.9	136.3	138.0			
Consultants and/or coordinators	133.0	136.7	135.5	142.4	143.3	143.4	142.8	142.3	141.7			
Directors	164.6	164.7	164.6	163.6	162.0	162.2	159.5	160.6	161.1			
Assistant superintendents	203.0	205.3	204.0	196.6	194.4	193.2	186.8	184.8	188.1			
Superintendents	274.2	273.3	276.0	265.8	259.8	255.7	247.7	244.1	149.5			

^aMaximum for highest preparation level recognized.^bContract salary.

TABLE 35.—MEAN SCHEDULED MINIMUM AND MAXIMUM SALARIES OF PUBLIC AND NONPUBLIC DEGREE-GRANTING INSTITUTIONS, 1965-66 TO 1970-71

Position	Scheduled minimum salaries					Scheduled maximum salaries					Percent increase, 1970-71 over	
	1965-66	1967-68	1968-69	1969-70	1970-71	1965-66	1967-68	1968-69	1969-70	1970-71	1965-66	1970-71 over 1965-66
INSTRUCTORS												
Public	\$5,975	\$ 6,621	\$ 6,871	\$ 7,397	\$ 7,854	\$ 8,090	\$ 9,248	\$ 9,579	\$10,407	\$11,154	31.4	37.9
Nonpublic	5,616	5,961	6,316	6,640	6,958	7,236	7,678	8,181	8,586	9,062	23.9	25.2
ASSISTANT PROFESSORS												
Public	6,972	7,797	8,180	8,727	9,273	9,615	11,137	11,779	12,815	13,733	33.0	42.8
Nonpublic	6,603	7,003	7,406	7,794	8,184	8,610	9,252	9,953	10,520	11,092	23.9	28.8
ASSOCIATE PROFESSORS												
Public	8,351	9,440	9,950	10,676	11,299	11,574	13,405	14,255	15,653	16,678	35.3	44.1
Nonpublic	7,721	8,267	8,787	9,230	9,658	10,212	10,973	11,825	12,439	13,089	25.1	28.2
PROFESSORS												
Public	9,990	11,525	12,099	12,999	13,783	14,584	16,221	17,171	19,015	20,426	38.0	40.1
Nonpublic	9,137	9,856	10,487	11,051	11,465	12,640	13,491	14,497	15,365	16,036	25.5	26.9

SOURCE: National Education Association, Research Division. *Faculty Salary Schedules in Colleges and Universities, 1970-71*. Research Report 1971-R10. Washington, D.C.: the Association, 1971. 32 p.

TABLE 36.—MEAN SCHEDULED MINIMUM AND MAXIMUM SALARIES, PUBLIC JUNIOR COLLEGES, 1965-66 THROUGH 1970-71

(For schedules based on preparation level)

Preparation level, full-time teaching staff	School year					Percent change, 1970-71 over 1965-66
	1965-66	1967-68	1968-69	1969-70	1970-71	
1	2	3	4	5	6	7
BACHELOR'S DEGREE:						
Minimum	\$ 5,492	\$ 6,096	\$ 6,395	\$ 7,075	\$ 7,377	34.3
Maximum	7,889	8,850	9,151	10,442	11,042	40.0
MASTER'S DEGREE:						
Minimum	6,023	6,744	7,076	7,767	8,147	35.3
Maximum	8,971	10,031	10,484	11,568	12,284	36.9
SIX YEARS (M.A.+30):						
Minimum	6,535	7,380	7,908	8,541	8,939	36.8
Maximum	9,795	11,142	11,892	12,764	13,531	38.1
DOCTOR'S DEGREE:						
Minimum	7,246	8,380	8,800	9,674	10,19 ^a	40.7
Maximum	10,769	12,202	12,760	14,088	15,129	40.5
INDEX: B.A. MINIMUM = 100.0						
BACHELOR'S DEGREE:						
Minimum	100.0	100.0	100.0	100.0	199.9	...
Maximum	143.6	145.2	143.1	147.6	149.7	...
MASTER'S DEGREE:						
Minimum	109.7	110.6	110.6	109.8	110.4	...
Maximum	163.3	164.5	163.9	163.5	166.5	...
SIX YEARS (M.A.+30):						
Minimum	119.0	121.1	123.7	120.7	121.2	...
Maximum	178.4	182.8	186.0	180.4	183.4	...
DOCTOR'S DEGREE:						
Minimum	131.9	137.5	137.6	136.7	138.2	...
Maximum	196.1	200.2	199.5	199.1	205.1	...

SOURCE: National Education Association, Research Division. *Faculty Salary Schedules in Community-Junior Colleges, 1970-71*. Research Report 1971-R9. Washington, D.C.: the Association, 1971. p. 16.

TABLE 37.—MEAN SCHEDULED SALARIES FOR FULL-TIME TEACHING STAFF, PUBLIC JUNIOR COLLEGES, 1965-66 THROUGH 1969-70 (For schedules based on professorial rank)

Professorial rank, full-time teaching staff	School year					Percent change, 1970-71 over 1969-70
	1965-66	1967-78	1968-69	1969-70	1970-71	
1	2	3	4	5	6	7
INSTRUCTOR:						
Mean minimum scheduled salary	\$ 5,928	\$ 6,607	\$ 7,070	\$ 7,571	\$ 8,115	7.2
Mean maximum scheduled salary	8,152	8,943	9,851	10,551	11,390	8.0
ASSISTANT PROFESSOR:						
Mean minimum scheduled salary	6,863	7,763	8,254	8,921	9,510	6.6
Mean maximum scheduled salary	9,539	10,761	11,616	12,529	13,466	7.5
ASSOCIATE PROFESSOR:						
Mean minimum scheduled salary	7,939	9,016	9,663	10,531	11,262	6.9
Mean maximum scheduled salary	10,954	12,440	13,644	14,771	15,805	7.0
PROFESSOR:						
Mean minimum scheduled salary	9,251	10,606	11,387	12,434	13,276	6.8
Mean maximum scheduled salary	12,667	14,699	16,054	17,363	18,486	6.5

SOURCE: National Education Association, Research Division. *Faculty Salary Schedules in Community-Junior Colleges, 1970-71*. Research Report 1971-R9. Washington, D.C.: the Association, 1971. p. 19.

III. SALARIES OF THE TEACHING PROFESSION COMPARED WITH OTHER OCCUPATIONS

COMPARISONS OF SALARIES of the instructional staffs of public elementary and secondary schools, junior colleges, and colleges and universities, with salaries of other groups of comparable workers are difficult to make. No governmental or private agency has published, over an extended period of years, continuing figures which are comparable with those available for the teaching profession. Continuing earnings series are available for production workers, employees in manufacturing, and the like, but there is no distinction made in them between professional and nonprofessional employees.

Another difficulty arises from the fact that no two professions are directly comparable in preparation required, responsibilities, and the like. It would be ideal, of course, to compare salaries of the teaching profession with earnings of other professional workers in general, rather than with any single profession. However, there is no generally agreed-upon list of the professions, and no available information on "professional earnings" as such.

Tables 38 through 77 provide available information on the comparative earnings of the teaching profession with other professions and occupational groups. The data in these tabulations are in terms of annual salaries.

Mean and Median Annual Salaries Paid

Salaries of teachers and of other members of the instructional staff normally are quoted in terms of the school year, September through June. To make them readily comparable with January to December salaries of most other nonteaching groups for whom data are available, it is necessary to convert school salaries to a calendar-year basis. This is done by adding 8/12 of the salary for one school year, January through August, to 4/12 of the salary for the following school year, September through December.

Table 38 compares the average annual earnings of public-school teachers (on a calendar-year basis) with the average annual earnings of all persons working for wages and salaries in all industries, with employees in manufacturing, and with civilian employees in the federal government for the years 1950 through 1970.

Even though very few of the total employees in manufacturing could be classified as professional workers, it was not until 1967 that the mean salary of teachers exceeded that of employees in manufacturing. However, the average salary of teachers increased 73.9 percent from 1960 to 1970 while the average salary of all employees in manufacturing increased only 52.6 percent during the same period. Table 38 also presents these data converted to an index, with the annual earnings of teachers as the base of reference equal to 100.0.

Table 39 compares the annual earnings of teachers with nonsupervisory employees in selected nonagricultural industries for the years 1960 to 1970.

In 1959, the U.S. Bureau of Labor Statistics began a series of studies on salaries paid in certain professional, administrative, technical, and clerical occupations. Table 40 summarizes these data for selected years between 1961 and 1971, and shows an index relationship for these salaries with 1961 as the base year.

Tables 41 and 42 show annual salary data for engineers for recent years by field of employment, by region, and by years of experience since graduation.

Table 43 gives the median annual salaries of scientists by technical field biennially between 1960 and 1970, and an index using 1960 as the base year. Table 44 shows the median salaries of scientists in 1970 by sex and by technical field.

Average earnings of full-time employees of state and local governments are shown in Tables 45 to 49 by position and by state for recent years.

Table 50 shows the mean and median salaries paid employees of state departments of education in 1969-70. Table 51 gives the median salaries of selected positions in state education associations (affiliates of NEA) for the years 1964-65 through 1971-72.

The current U.S. Classified Civil Service schedule which became effective in January 1972 is shown in Table 52.

Table 53 gives *average* salaries of federal civil service employees for various years compared with the average salaries of teachers.

Tables 54 and 55 give mean salaries of engineering technicians and nonprofessional scientific personnel classified by type of position and by type of employment for the most recent years available.

Annual Salaries Paid, By Sex of Worker

In Tables 56 through 61 annual salary data for various full-time workers are shown on the basis of sex of the worker. Table 56 shows median annual earnings from 1960 through 1970 of male full-time workers 14 years of age and over; Table 57 presents the same information for female workers. This series is published annually by the U.S. Bureau of the Census in its Consumer Income Series and includes major professional and nonprofessional occupation groups.

Median earnings of year-round workers are shown in Table 58, classified by sex of worker for metropolitan and non-metropolitan areas for 1959 and 1969.

Median annual earnings of women workers as a percent of median earnings of male workers for selected occupational groups are shown in Table 59 for the years

1960 through 1970. In spite of the rapid increase in the total number of women workers in the labor force in the last decade, there has been little change in the ratio of their earnings to those of men workers.

Table 60 shows total money income of year-round full-time workers in 1970 by sex and years of school completed.

Mean annual salaries of professional scientific and technical personnel in the federal government are shown in Table 61 for total employees by occupational group and for men and women employees separately for 1967, 1968, and 1969. In the latter year, mean salaries of men scientists and engineers were 21.6 percent higher than mean salaries for women in this category. For the positions shown in the tabulation, the mean salaries of men exceeded those of women in every case ranging from 0.6 percent to 65.5 percent higher.

Tables 62 and 63 show the average salaries paid librarians by type of library and highest degree held.

Beginning Salaries

Tables 64 through 77 contain information on starting salaries paid college graduates in various occupational groups and for various levels of degrees conferred, and starting salaries for policemen and firemen in urban areas.

Frank S. Endicott, Director of Placement at Northwestern University, annually surveys the employment of college and university male graduates by business companies which have campus recruitment programs. He reports on salaries offered in November to men who will graduate the following June with bachelor's and master's degrees, and then the following year revises the data based on offers to show salaries that were finally actually paid.

Endicott also compiles starting salaries for women graduates with bachelor's degrees. He points out, however, that most of the companies reporting on the employment of women graduates do not have campus recruitment

programs, but hire women by direct application. Tables 64 through 67 present trend data from the Endicott surveys.

The average starting salary of teachers compared with starting salaries for men and women college graduates in other occupations are shown in Table 64 for recent years. The index relationship between the starting salary for teachers and that for other occupations is also included.

The College Placement Council of Bethlehem, Pennsylvania, publishes data on average beginning salaries offered men and women graduates with bachelor's and master's degrees, and to a limited extent, on salaries offered graduates with doctor's degrees. The information is collected from college placement officers. Tables 68 through 71 summarize available information from the College Placement Bureau. These tables, like those from the Endicott studies, are self-explanatory.

Median annual starting salaries for inexperienced graduates in chemistry and chemical engineering are shown in Table 72. At the bachelor's degree level, salaries are shown separately for men and women graduates in chemistry, but not for the master's and doctor's degrees.

Beginning salaries for teachers with a bachelor's degree in private independent schools are shown in Table 73 for selected years since 1964-65 together with the range of starting salaries for respondents in 1971-72.

Minimum salaries (Step 1) of federal classified employees are shown in Table 74 for 1962 through January 1972. An index relationship to 1962 is also given. Table 75 compares increases in beginning salaries for federal civilian employees with those of teachers between 1965 and 1972.

Table 76 shows average minimum and maximum salaries for policemen and firemen, compared with minimum and maximum salaries paid teachers from 1966 to 1971 in cities with a population of 100,000 or more.

Table 77 shows a percent distribution of minimum salaries paid policemen and firemen in 1971 by size of city and by region.

TABLE 38.—AVERAGE ANNUAL EARNINGS OF PUBLIC-SCHOOL TEACHERS AND CERTAIN OTHER OCCUPATIONAL GROUPS, 1950-1970

Calendar year	Calendar Year Basis								
	Average annual earnings			Index (Teachers=100.0)			Index (Teachers=100.0)		
	Public-school teachers	Wage and salary workers—all industries	Employees in manufacturing	Civilian employees of federal government	Public-school teachers	Wage and salary workers all industries	Employees in manufacturing	Employees of federal government	Civilian employees of federal government
1	2	3	4	5	6	7	8	9	
1950	\$2,823	\$3,008	\$3,300	\$3,503	100.0	106.6	116.9	124.1	100.0
1951	3,123	3,231	3,606	3,777	100.0	103.5	115.5	120.9	100.0
1952	3,357	3,414	3,828	4,034	100.0	101.7	114.0	120.2	100.0
1953	3,519	3,587	4,049	4,226	100.0	101.9	115.1	120.1	100.0
1954	3,746	3,670	4,116	4,320	100.0	98.0	109.9	115.3	100.0
1955	3,907	3,847	4,351	4,595	100.0	98.5	111.4	117.6	100.0
1956	4,116	4,036	4,584	4,808	100.0	98.1	111.4	116.8	100.0
1957	4,350	4,205	4,781	4,971	100.0	96.7	109.9	114.3	100.0
1958	4,646	4,346	4,939	5,514	100.0	93.5	106.3	118.7	100.0
1959	4,863	4,558	5,215	5,682	100.0	93.7	107.2	116.8	100.0
1960	5,088	4,707	5,342	5,946	100.0	92.5	105.0	116.9	100.0
1961	5,355	4,843	5,509	6,285	100.0	90.4	102.9	117.4	100.0
1962	5,587	5,065	5,730	6,450	100.0	90.7	102.6	115.4	100.0
1963	5,820	5,243	5,920	6,792	100.0	90.1	101.7	116.7	100.0
1964	6,062	5,503	6,196	7,267	100.0	90.8	102.2	119.9	100.0
1965	6,292	5,710	6,389	7,614	100.0	90.8	101.5	121.0	100.0
1966	6,600	5,967	6,643	7,841	100.0	90.4	100.7	118.8	100.0
1967	7,028	6,230	6,880	7,985	100.0	88.6	97.9	113.6	100.0
1968	7,599	6,657	7,347	8,746	100.0	87.6	95.0	115.4	100.0
1969	8,180	7,095	7,775	9,442	100.0	86.7	95.0	115.5	100.0
1970	8,846	7,564	8,150	10,597	100.0	85.5	92.1	119.8	100.0

SOURCES: Column 2 calculated on calendar-year basis by NEA Research Division. Columns 3, 4, and 5 from U.S. Department of Commerce, Bureau of Economic Analysis, Figures for 1950 through 1955 from *U.S. Income and Output*, a supplement to the *Survey of Current Business, 1959*, Table VI-15, p. 213. Figures for 1956 through 1969 from *Survey of Current Business*, various issues.

NOTE: It was not until 1967 that average earnings of teachers passed earnings of employees in manufacturing most of whom are nonprofessional workers. Civilian employees of the federal government have had higher average earnings than teachers for at least since 1950.



TABLE 39.—AVERAGE ANNUAL EARNINGS OF PUBLIC-SCHOOL TEACHERS AND NONSUPERVISORY EMPLOYEES IN SELECTED INDUSTRIES, 1960-1970

Industry	(Calendar Years)											Percent change, 1970 over 1969
	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	
Teachers (calendar years)	\$5,088	\$5,355	\$5,587	\$5,820	\$6,062	\$6,292	\$6,600	\$7,028	\$7,599	\$8,180	\$8,846	8.1
All industries, total	4,707	4,843	5,065	5,243	5,499	5,705	5,974	6,231	6,657	7,095	7,564	6.6
Agriculture, forestry, and fisheries	1,738	1,776	1,728	1,771	1,893	2,030	2,260	2,434	2,633	2,848	3,063	7.5
Mining	5,685	5,835	6,017	6,240	6,521	6,783	7,134	7,556	7,964	8,619	9,262	7.5
Contract construction	5,488	5,660	5,846	6,018	6,332	6,593	7,033	7,417	7,953	8,615	9,293	7.9
Manufacturing—total	5,342	5,509	5,730	5,920	6,196	6,386	6,643	6,880	7,347	7,775	8,150	4.8
Nondurable goods—total	...	...	5,137	5,284	5,526	5,689	5,920	6,180	6,586	6,984	7,380	5.7
Printing and publishing	5,610	5,770	5,909	6,076	6,317	6,497	6,767	6,993	7,362	7,843	8,264	5.4
Chemicals and allied products	6,321	6,544	6,852	7,065	7,361	7,553	7,849	8,136	8,600	9,147	9,728	6.4
Petroleum refining and related industries	...	...	7,490	7,812	7,984	8,266	8,598	8,967	9,468	10,189	10,737	5.4
Durable goods—total	...	...	6,191	6,407	6,703	6,898	7,149	7,369	7,881	8,326	8,709	4.6
Primary metal products	6,341	6,551	6,824	7,008	7,317	7,556	7,833	7,873	8,464	9,000	9,212	2.4
Machinery, except electrical	6,025	6,194	6,515	6,703	7,069	7,280	7,635	7,830	8,304	8,879	9,271	4.4
Transportation equipment ^a	6,625	6,974	7,204	7,521	7,831	8,045	8,303	8,477	8,861	9,405	9,964	5.9
Motor vehicles and equipment	6,558	6,507	7,144	7,528	7,866	8,152	8,328	8,475	9,595	9,747	9,962	2.2
Transportation	5,928	6,085	6,638	6,852	7,161	7,473	7,785	8,129	8,676	9,318	9,928	6.5
Communication	5,642	5,886	5,895	6,128	6,435	6,618	6,864	7,041	7,500	7,984	8,401	5.2
Finance, insurance and real estate	4,840	5,035	5,410	5,595	5,851	6,070	6,347	6,717	7,235	7,680	8,026	4.5
Banking	4,689	4,826	5,053	5,207	5,400	5,608	5,784	6,044	6,406	6,818	7,250	6.3
Security and commodity brokers	8,358	9,607	9,355	9,758	10,549	11,548	12,807	14,698	16,122	15,098	14,343	-5.0
Government and government enterprises	4,683	4,870	4,993	5,205	5,474	5,701	5,938	6,222	6,717	7,189	7,965	10.8
Federal civilian	5,946	6,285	6,450	6,792	7,267	7,614	7,841	7,985	8,746	9,442	10,597	12.2
State and local	4,827	4,952	5,017	5,180	5,370	5,592	5,906	6,324	6,796	7,231	7,818	8.1

INDEX: TEACHERS = 100.0

Teachers	100.0	105.2	109.8	114.4	119.1	123.7	129.7	138.1	149.4	160.8	173.8	...
All industries, total	100.0	102.9	107.6	111.4	116.8	121.2	126.9	132.4	141.4	150.7	160.7	...
Agriculture, forestry, fisheries	100.0	102.2	99.4	101.9	108.9	116.8	130.0	140.0	151.5	163.9	176.2	...
Mining	100.0	102.6	195.8	109.8	114.7	119.3	125.5	132.9	140.1	151.6	162.9	...
Contract construction	100.0	103.1	106.5	109.7	115.4	120.1	128.2	135.1	144.9	157.0	169.3	...
Manufacturing—total	100.0	103.1	107.3	110.8	116.0	119.5	124.4	128.8	137.5	145.5	152.6	...
Nondurable goods—total .....	...	...	100.0	102.9	107.6	110.7	115.2	120.3	128.2	136.0	143.7	...
Printing and publishing	100.0	102.9	105.3	108.3	112.6	115.8	120.6	124.7	131.2	139.8	147.3	...
Chemicals and allied products	100.0	103.5	108.4	111.8	116.5	119.5	124.2	128.7	136.1	144.7	153.9	...
Petroleum refining and related industries .....	...	...	100.0	104.3	106.6	110.4	114.8	119.7	126.4	136.0	143.4	...
Durable goods—total .....	...	...	100.0	103.5	108.3	111.4	115.5	119.0	127.3	134.5	140.7	...
Primary metal products	100.0	103.3	107.6	110.5	115.4	119.2	123.5	124.2	133.5	141.9	145.3	...
Machinery, except electrical	100.0	102.8	108.1	111.3	117.3	120.8	126.7	130.0	137.8	147.4	153.9	...
Transportation equipment	100.0	105.3	108.7	113.5	118.2	121.4	125.3	128.0	133.8	142.0	150.4	...
Motor vehicles and equipment	100.0	99.2	108.9	114.8	119.9	124.3	127.0	129.2	146.3	148.6	151.9	...
Transportation	100.0	102.6	112.0	115.6	120.8	126.1	131.3	137.1	146.4	157.2	167.5	...
Communication	100.0	104.3	104.5	108.6	114.1	117.3	121.7	124.8	132.9	141.5	148.9	...
Finance, insurance and real estate	100.0	104.0	111.8	115.6	120.9	125.4	131.1	138.8	149.5	158.7	165.8	...
Banking	100.0	102.9	107.8	111.0	115.2	119.6	123.4	128.9	136.6	145.4	154.6	...
Security and commodity brokers	100.0	114.9	111.9	116.8	126.2	138.2	153.2	175.9	192.9	180.6	171.6	...
Government and government enterprises	100.0	104.0	106.6	111.1	116.9	121.7	126.8	132.9	143.4	153.5	170.1	...
Federal civilian	100.0	105.7	108.5	114.2	122.2	128.1	131.9	134.3	147.1	158.8	178.2	...
State and local	100.0	102.6	103.9	107.3	111.2	115.8	122.4	131.0	140.8	149.8	162.0	...

SOURCE: U.S. Department of Commerce, Bureau of Economic Analysis, *Survey of Current Business*, various issues. Salaries for teachers from NEA Research Division.
^aExcept motor vehicles.

TABLE 40.—MEAN ANNUAL SALARIES^a FOR SELECTED PROFESSIONAL OCCUPATIONS IN PRIVATE INDUSTRY, 1961-1971

Occupation and classification ^b	1961	1964	1965	1966	1967	1968	1969	1970	1971
1	2	3	4	5	6	7	8	9	10
ACCOUNTANTS AND AUDITORS									
Chief accountants I	\$ 9,564	\$10,296	\$10,740	\$10,800	\$11,768	\$12,289 ^c	\$13,212	\$13,917	\$14,449
Chief accountants II . . . . .	...	12,576	12,588	12,288	13,036	14,135	14,637	15,647	17,191
Chief accountants III . . . . .	...	14,124	14,604	15,144	15,383	16,577	17,714	18,780	20,897
Chief accountants IV ^e	15,012	15,948	17,028	17,676	18,896	19,046	20,586	23,133	24,597
Accountants I	5,736	6,240	6,312	6,576	6,990	7,451	8,002	8,503	8,975
Accountants II	6,324	6,840	7,044	7,308	7,820	8,277	9,013	9,609	10,213
Accountants III	7,200	7,908	8,124	8,328	8,879	9,367	10,029	10,686	11,383
Accountants IV	8,724	9,504	9,792	10,116	10,660	11,237	11,967	12,755	13,654
Accountants V	10,548	11,568	11,940	12,336	12,795	13,531	14,373	15,477	16,626
Auditors I	5,196	5,832	6,204	6,408	7,190	7,645	8,367	8,894	9,401
Auditors II	6,468	7,188	7,440	7,740	8,354	8,707	9,287	9,955	10,643
Auditors III	7,728	8,520	8,748	8,904	9,449	9,977	10,726	11,475	12,227
Auditors IV	9,480	10,284	10,728	11,196	11,633	12,303	13,125	14,044	15,136
ATTORNEYS^d									
Attorneys I	6,372	7,248	7,368	7,668	e	9,338	11,020	11,859	e
Attorneys II	8,136	8,532	8,940	9,120	9,622	10,293	12,780	13,585	14,345
Attorneys III	9,804	10,464	10,512	10,980	11,843	12,602	15,879	16,884	17,509
Attorneys IV	11,604	12,816	13,644	14,052	14,419	15,283	19,163	20,304	22,178
Attorneys V	14,664	16,032	16,500	16,728	17,206	17,936	23,685	25,391	26,277
Attorneys VI	15,336	18,420	20,040	20,748	21,415	22,152	29,421	33,032	33,375
CHEMISTS									
Chemists I	5,772	6,456	6,612	7,104	7,590	8,061	8,736	9,164	9,688
Chemists II	6,684	7,320	7,584	7,884	8,482	8,931	9,626	10,233	10,776
Chemists III	7,716	8,604	8,808	9,108	9,719	10,187	11,063	11,737	12,459
Chemists IV	9,504	10,632	10,980	11,448	12,044	12,751	13,359	14,218	15,036
Chemists V	11,424	12,744	13,068	13,740	14,405	15,263	16,080	17,066	17,928
Chemists VI	13,356	14,748	15,168	15,936	16,575	17,324	18,529	19,700	20,514
Chemists VII	15,456	17,328	17,928	18,900	20,110	20,561	22,473	22,937	24,520
Chemists VIII ^f	18,276	21,084	22,212	23,304	24,676	25,416	27,092	27,731	29,714
ENGINEERS									
Engineers I	6,576	7,344	7,512	7,764	8,388	9,023	9,662	10,209	10,677
Engineers II	7,308	8,004	8,292	8,496	9,078	9,771	10,455	11,077	11,694
Engineers III	8,460	9,204	9,468	9,780	10,330	10,963	11,701	12,350	13,117
Engineers IV	9,984	11,016	11,376	11,784	12,424	13,095	13,893	14,695	15,535
Engineers V	11,520	12,924	13,272	13,788	14,523	15,223	16,107	17,004	17,979
Engineers VI	13,368	14,820	15,336	15,828	16,604	17,361	18,577	19,471	20,547
Engineers VII	16,476	17,652	18,012	18,672	19,332	20,216	21,199	22,328	23,508
Engineers VIII ^g	19,056	20,484	21,108	21,636	22,235	23,280	24,030	25,393	26,736

TABLE 40.—MEAN ANNUAL SALARIES^a FOR SELECTED PROFESSIONAL OCCUPATIONS IN PRIVATE INDUSTRY, 1961-1971 (Continued)
INDEX: 1961 = 100.0

Occupation and classification ^b	1961	1964	1965	1966	1967	1968	1969	1970	1971
1.	2	3	4	5	6	7	8	9	10
ACCOUNTANTS AND AUDITORS									
Chief accountants I	100.0	107.7	112.3	112.9	123.0	128.5	138.1	145.5	151.1
Chief accountants II . . . . .	...	...	...	...	...	...	...	...	...
Chief accountants III . . . . .	...	...	...	...	...	...	...	...	...
Chief accountants I	100.0	106.2	113.4	117.7	125.9	126.9	137.1	154.1	163.8
Accountants I	100.0	108.8	110.0	114.6	121.9	129.9	139.5	148.2	156.5
Accountants II	100.0	108.2	111.4	115.6	123.7	130.9	142.5	151.9	161.5
Accountants III	100.0	109.8	112.8	115.7	123.3	130.1	139.3	148.4	158.1
Accountants IV	100.0	108.9	112.2	116.0	122.2	128.8	137.2	146.2	156.5
Accountants V	100.0	109.7	113.2	117.0	121.3	128.3	136.3	146.7	157.6
Auditors I	100.0	112.2	119.4	123.3	138.4	147.1	161.0	171.2	180.9
Auditors II	100.0	111.1	115.0	119.7	129.2	134.6	143.6	153.9	164.5
Auditors III	100.0	110.2	113.2	115.2	122.3	129.1	138.8	148.5	158.2
Auditors IV	100.0	108.5	113.2	118.1	122.7	129.8	138.4	148.1	159.7
ATTORNEYS									
Attorneys I	100.0	113.7	115.6	120.3	e	146.5	172.9	186.1	e
Attorneys II	100.0	104.9	109.9	112.1	118.3	126.5	157.1	167.0	176.3
Attorneys III	100.0	106.7	107.2	112.0	120.8	128.5	162.0	172.2	178.6
Attorneys IV	100.0	110.4	117.6	121.1	124.3	131.7	165.1	175.0	191.1
Attorneys V	100.0	109.3	112.5	114.1	117.3	122.3	161.5	173.2	179.2
Attorneys VI	100.0	120.1	130.7	135.3	139.6	144.4	191.8	215.4	217.6
CHEMISTS									
Chemists I	100.0	111.9	114.6	123.1	131.5	139.7	151.4	158.8	167.8
Chemists II	100.0	109.5	113.5	118.0	126.9	133.6	144.0	153.1	161.2
Chemists III	100.0	111.5	114.2	118.0	126.0	132.0	143.4	152.1	161.5
Chemists IV	100.0	111.9	115.5	120.5	126.7	134.2	140.6	149.6	158.2
Chemists V	100.0	111.6	114.4	120.3	126.1	133.6	140.8	149.4	156.9
Chemists VI	100.0	110.4	113.6	119.3	124.1	129.7	138.7	147.5	153.6
Chemists VII	100.0	112.1	116.0	122.3	130.1	133.0	145.4	148.4	158.6
Chemists VIII	100.0	115.4	121.5	127.5	135.0	139.1	148.2	151.7	162.6
ENGINEERS									
Engineers I	100.0	111.7	114.2	118.1	127.6	137.2	146.9	155.2	162.4
Engineers II	100.0	109.5	113.5	116.3	124.2	133.7	143.1	151.6	160.0
Engineers III	100.0	108.8	111.9	115.6	122.1	129.6	138.3	146.0	155.0
Engineers IV	100.0	110.3	113.9	118.0	124.4	131.2	139.2	147.2	155.6
Engineers V	100.0	112.2	115.2	119.7	126.1	132.1	139.8	147.6	156.1
Engineers VI	100.0	110.9	114.7	118.4	124.2	129.9	139.0	145.7	153.7
Engineers VII	100.0	107.1	109.3	113.3	117.3	122.7	128.7	135.5	142.7
Engineers VIII	100.0	107.5	110.8	113.5	116.7	122.2	126.0	133.3	140.3

SOURCES: U.S. Department of Labor, Bureau of Labor Statistics. *National Survey of Professional, Administrative, Technical, and Clerical Pay*. Various bulletins.

^aStraight-time salary corresponding to the employee's normal work schedule, excluding overtime hours.

^bDeveloped by Bureau of Labor Statistics, Bureau of the Budget, and Civil Service Commission. Occupational definitions reflect duties and responsibilities in industry; however, they are translatable to specific grades in the general schedule for Federal Classification Act employees.

^cExcludes comptrollers, financial managers, etc., with responsibility for accounting programs who also are responsible for budgeting, work measurement, or similar functions.

^dExcludes positions not requiring use of full professional legal training.

^eNot computed; insufficient data.

^fExcludes chief chemists and assistant chief chemists in large companies with highly diversified or novel programs.

^gExcludes chief engineers in large companies engaged in complex and diversified research and development.

TABLE 41.—MEDIAN ANNUAL SALARIES OF ENGINEERS, BY FIELD OF EMPLOYMENT AND REGION, 1969

Field of employment	New England and Middle Atlantic	South	Midwest	Plains	Southwest	West	Total all regions
1	2	3	4	5	6	7	8
All fields	\$18,010	\$16,660	\$16,040	\$15,080	\$15,730	\$16,630	\$16,490
Industry	17,610	16,500	15,780	15,030	15,900	16,930	16,440
Public utilities	17,060	14,890	15,260	15,180	13,570	15,980	15,300
Federal government	18,480	17,560	16,000	15,320	15,750	16,260	16,730
State governments	15,260	14,200	14,750	13,690	14,500	14,970	14,580
County or municipal governments	16,750	15,380	15,130	14,070	14,540	15,600	15,280
Educational institutions	17,810	18,080	17,870	18,780	18,000	17,410	18,010
Consulting firms	19,770	17,490	17,490	15,580	17,450	18,430	17,890
Construction contractors	20,310	17,820	19,560	17,800	18,270	17,300	19,000
INDEX: Total all regions = 100.0							
All fields	109.2	101.0	97.3	91.4	95.4	100.8	100.0
Industry	107.1	100.4	96.0	91.4	96.7	103.0	100.0
Public utilities	111.5	97.3	99.7	99.2	88.7	104.4	100.0
Federal government	110.5	105.0	95.6	91.6	94.1	97.2	100.0
State governments	104.7	97.4	101.2	93.9	99.5	102.7	100.0
County or municipal governments	109.6	100.7	99.0	92.1	95.2	102.1	100.0
Educational institutions	98.9	100.4	99.2	104.3	99.9	96.7	100.0
Consulting firms	110.5	97.8	97.8	87.1	97.5	103.0	100.0
Construction contractors	106.9	93.8	102.9	93.7	96.2	91.1	100.0

SOURCE: National Society of Professional Engineers. *Income and Salary Survey, 1969*. Washington, D. C.: the Society, April 1970. p. 29.

REGIONS: NEW ENGLAND AND MIDDLE ATLANTIC: Connecticut, Delaware, District of Columbia, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont. SOUTH: Alabama, Florida, Georgia, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, Puerto Rico. MIDWEST: Illinois, Indiana, Kentucky, Michigan, Ohio, West Virginia, Wisconsin. PLAINS: Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota. SOUTHWEST: Arkansas, Colorado, Louisiana, New Mexico, Oklahoma, Texas, Wyoming, Panama Canal. WEST: Arizona, California, Idaho, Montana, Nevada, Oregon, Utah, Washington, Alaska, Hawaii.

TABLE 42.—MEDIAN EARNINGS OF ENGINEERS BY YEARS OF EXPERIENCE SINCE BACHELOR'S DEGREE, 1953 TO 1970

Years since bachelor's degree	Median earnings									Percent increase, 1970 over 1968
	1953	1956	1958	1960	1962	1964	1966	1968	1970	
1	2	3	4	5	6	7	8	9	10	11
0	\$4,050	\$ 5,000	\$ 5,850	\$ 6,300	\$ 6,750	\$ 7,300	\$ 8,350	\$ 9,400	\$10,500	11.7
2	4,600	5,700	6,450	7,100	7,400	8,100	9,000	10,350	11,250	8.7
4	5,050	6,350	7,000	7,800	8,350	8,950	9,750	11,250	12,200	8.4
6	5,550	7,000	7,700	8,450	9,050	9,950	10,700	12,200	13,150	7.8
8	5,750	7,600	8,350	9,250	9,750	10,650	11,600	13,000	14,250	9.6
10	6,200	7,800	9,100	9,850	10,400	11,400	12,500	13,850	15,200	9.7
15	7,400	9,350	10,000	11,000	11,900	12,800	13,750	15,300	16,800	9.8
20	7,750	9,800	10,800	12,050	12,700	13,900	15,050	16,300	17,800	9.2
25	8,500	9,800	10,750	12,400	12,850	14,350	15,650	16,850	18,600	10.4
30	8,550	10,200	10,900	12,350	12,700	14,250	15,450	16,850	18,800	11.6
35	9,200	10,200	11,200	12,050	12,550	13,800	14,850	15,850	17,950	13.2

INDEX: 1953= 100.0^a

0	100.0	123.5	144.4	155.6	166.7	180.2	206.2	232.1	259.3	...
2	100.0	123.9	140.2	154.3	160.9	176.1	195.7	225.0	244.6	...
4	100.0	125.7	138.6	154.5	165.3	177.2	193.1	222.8	241.6	...
6	100.0	126.1	138.7	152.3	163.1	179.3	192.8	219.8	236.9	...
8	100.0	132.2	145.2	160.9	169.6	185.2	201.7	226.1	247.8	...
10	100.0	125.8	146.8	158.9	167.7	183.9	201.6	223.4	245.2	...
15	100.0	126.4	135.1	148.6	160.8	173.0	185.8	206.8	227.0	...
20	100.0	126.5	139.4	155.5	163.9	179.4	194.2	210.3	229.7	...
25	100.0	115.3	126.5	145.9	151.2	168.8	184.1	198.2	218.8	...
30	100.0	119.3	127.5	144.4	148.5	166.7	180.7	197.1	219.9	...
35	100.0	110.9	121.7	131.0	136.4	150.0	161.4	172.3	195.1	...

SOURCE: Engineering Manpower Commission of Engineers Joint Council. *Professional Income of Engineers, 1970*. December 1970.

^aComputed by NEA Research Division.

TABLE 43.—MEDIAN ANNUAL SALARIES OF SCIENTISTS, BY SCIENTIFIC AND TECHNICAL FIELD, BIENNIALLY, 1960 TO 1970

Scientific and technical field	Median annual salary					
	1960	1962	1964	1966	1968	1970
1	2	3	4	5	6	7
All fields	\$ 9,000	\$10,000	\$11,000	\$12,000	\$13,200	\$15,000
Chemistry	10,000	11,000	11,000	12,000	13,500	15,255
Earth and marine sciences	9,000	10,000	10,300	11,400	12,900	14,964
Atmospheric and space science	8,000	8,000	10,600	11,700	13,400	15,142
Physics	10,000	11,000	12,000	12,500	14,000	16,100
Mathematics	9,000	10,000	11,000	12,000	13,000	14,300
Agricultural sciences	7,000	8,000	9,200	10,000	11,000	12,760
Biological sciences	8,000	10,000	10,700	12,000	13,000	14,950
Psychology	8,000	9,000	10,300	11,500	13,200	15,048
Statistics .....	...	...	12,000	12,800	14,900	16,900
Economics .....	...	...	12,000	13,100	15,000	16,300
Sociology .....	...	...	10,100	11,300	12,000	12,960
Political science .....	...	...	...	...	12,000	13,080
Anthropology .....	...	...	...	11,500	12,700	14,732
Linguistics .....	...	...	9,000	10,000	11,500	12,535

INDEX: 1960 = 100.0

All fields	100.0	111.1	122.2	133.3	146.7	166.7
Chemistry	100.0	110.0	110.0	120.0	135.0	152.6
Earth and marine sciences	100.0	111.1	114.4	126.7	143.3	166.3
Atmospheric and space science	100.0	100.0	132.5	146.2	167.5	189.3
Physics	100.0	110.0	120.0	125.0	140.0	161.0
Mathematics	100.0	111.1	122.2	133.3	144.4	158.9
Agricultural sciences	100.0	114.3	131.4	142.9	157.1	182.3
Biological sciences	100.0	125.0	133.8	150.0	162.5	186.9
Psychology	100.0	112.5	128.8	143.8	165.0	188.1

SOURCES: National Science Foundation. *American Science Manpower, 1960*. NSF 62-43. Washington, D. C.: Government Printing Office, 1962. p. 21.

National Science Foundation. *Scientific Manpower Bulletin*. NSF 62-47. Washington, D.C.: Government Printing Office, December 1962. p. 3.

National Science Foundation. *Review of Data on Science Resources*. Vol. 1, No. 2. Washington, D.C.: Government Printing Office, December 1964. p. 2; and NSF 66-34. December 1966. p. 2.

National Science Foundation. *Salaries and Selected Characteristics of U.S. Scientists, 1968*. NSF 69-5. Washington, D.C.: Government Printing Office, December 1968. 8 p.

National Science Foundation. *Review of Data on Science Resources*. NSF 70-19. Washington, D.C.: Government Printing Office, 1971.

Index relationships computed by NEA Research Division.

TABLE 44.—MEDIAN SALARY OF FULL-TIME EMPLOYED CIVILIAN SCIENTISTS BY SEX AND FIELD, 1970

Field	Median salary		Women's median as percent of men's
	Women	Men	
1	2	3	4
All fields	\$11,600	\$15,200	76.3
Chemistry	10,500	15,600	67.3
Earth and marine sciences	10,500	15,000	70.0
Atmospheric and space sciences	13,000	15,200	85.5
Physics	12,000	16,000	75.0
Mathematics	10,000	15,000	66.7
Computer sciences	13,200	16,900	78.1
Agricultural sciences	9,400	12,800	73.4
Biological sciences	11,000	15,500	71.0
Psychology	13,000	15,500	83.9
Statistics	14,000	17,100	81.9
Economics	13,400	16,500	81.2
Sociology	11,000	13,500	81.5
Anthropology	12,300	15,000	82.0
Political science	11,000	13,500	81.5
Linguistics	11,300	13,000	86.9

SOURCE: National Science Foundation: *National Register of Scientific and Technical Personnel*, 1970.

TABLE 45.—AVERAGE EARNINGS* OF FULL-TIME STATE AND LOCAL GOVERNMENT EMPLOYEES, BY SELECTED FUNCTIONS, 1962-1970

Function	1962	1963	1964	1965	1966	1967	1968	1969	1970
I	2	3	4	5	6	7	8	9	10
Total, all functions	\$5,316	\$5,484	\$5,676	\$ 5,916	\$ 6,216	\$ 6,756	\$ 7,284	\$ 7,764	\$ 8,364
Education	5,928	6,096	6,216	6,456	6,696	7,356	7,956	8,484	9,072
Local schools	5,856	5,976	6,096	6,336	6,528	7,224	7,824	8,340	8,904
Instructional personnel	6,504	6,660	6,888	7,176	7,500	8,040	8,700	9,288	9,960
Institutions of higher education ..	6,444	6,864	7,008	7,188	7,692	8,136	8,640	9,192	9,852
Instructional personnel	8,952	9,468	9,888	10,320	10,944	11,592	12,540	13,152	13,932
Functions other than education	4,812	4,980	5,196	5,424	5,760	6,192	6,660	7,104	7,704
Highways	4,716	4,884	5,028	5,220	5,508	5,952	6,348	6,804	7,212
Public welfare	4,452	4,536	4,740	5,088	5,364	5,796	6,204	6,684	7,188
Hospitals	3,804	3,948	4,104	4,284	4,608	5,064	5,448	5,904	6,468
Health	5,172	5,220	5,544	5,748	6,048	6,528	7,236	7,740	8,256
Police protection	5,580	5,796	6,072	6,348	6,684	7,128	7,968	8,112	9,048
Local fire protection	5,832	6,096	6,408	6,672	7,080	7,440	8,028	8,820	9,696
Local parks and recreation	4,524	4,668	4,812	5,004	5,268	5,466	5,856	6,372	6,744
Airports	5,724	5,760	5,940	6,456	6,768	7,008	7,356	7,872	8,424
Correction	5,124	5,256	5,544	5,820	6,024	6,708	7,104	7,740	8,436
Local libraries	3,984	4,152	4,320	4,596	4,644	5,148	5,376	5,688	6,156
Financial administration	4,740	4,896	5,124	5,304	5,688	6,024	6,360	6,852	7,452
Local utilities:									
Water supply	4,884	5,028	5,292	5,508	5,916	6,180	6,576	7,080	7,536
Electric power	6,000	6,144	6,444	6,756	7,092	7,464	7,728	8,496	9,000
Transit	6,336	6,720	7,020	7,416	7,932	9,096	9,972	9,408	10,320
Gas supply	5,040	5,244	5,484	5,604	6,288	5,712	7,464	7,548	7,104

INDEX RELATIONSHIP: (Local school instructional personnel = 100.0)

Total, all functions	81.7	82.3	82.4	82.4	82.9	84.0	83.7	83.6	84.0
Education	91.1	91.5	90.2	90.0	89.3	91.5	91.4	91.3	91.1
Local schools	90.0	89.7	88.5	88.3	87.0	89.9	89.9	89.8	89.4
Instructional personnel	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Institutions of higher education ..	99.1	103.1	101.7	100.2	102.6	101.2	99.3	99.0	98.9
Instructional personnel	137.6	142.2	143.6	143.8	145.9	144.2	144.1	141.6	139.9
Functions other than education	74.0	74.8	75.4	75.6	76.8	77.0	76.6	76.5	77.3
Highways	72.5	73.3	73.0	72.7	73.4	74.0	73.0	73.3	72.4
Public welfare	68.4	68.1	68.8	70.9	71.5	72.1	71.3	72.0	72.2
Hospitals	58.5	59.3	59.6	59.7	61.4	63.0	62.6	63.6	64.9
Health	79.5	78.4	80.5	80.1	80.6	81.2	83.2	83.3	82.9
Police protection	85.8	87.0	88.2	88.5	89.1	88.7	91.6	87.3	90.8
Local fire protection	89.7	91.5	93.0	93.0	94.4	92.5	92.3	95.0	97.3
Local parks and recreation	69.6	70.1	69.9	69.7	70.2	67.9	67.3	68.6	67.7
Airports	88.0	86.5	86.2	90.0	90.2	87.2	84.6	84.8	84.6
Correction	78.8	78.9	80.5	81.1	80.3	83.1	81.7	83.3	84.7
Local libraries	61.3	62.3	62.7	64.0	61.9	64.0	61.8	61.2	61.8
Financial administration	72.9	73.5	74.4	73.9	75.8	74.9	73.1	73.8	74.8
Local utilities:									
Water supply	75.1	75.5	76.8	76.8	78.9	76.9	75.6	76.2	75.7
Electric power	92.3	92.3	93.6	94.1	94.6	92.8	88.8	91.5	90.4
Transit	97.4	100.9	101.9	103.3	105.8	113.1	114.6	101.3	103.6
Gas supply	77.5	78.7	79.6	78.1	83.8	71.0	85.8	81.3	71.3

SOURCE: U.S. Department of Commerce, Bureau of the Census, GE Series 1964 to 1970 and special reports for 1962 and 1963.

*Annual earnings for full-time employees computed from October earnings. Annual earnings are shown here only for greater ease of comparison and should be used only in this manner.

TABLE 46.—AVERAGE SALARIES PAID FULL-TIME EMPLOYEES OF STATE AND LOCAL GOVERNMENTS AND AVERAGE SALARIES PAID TEACHERS, 1965 AND 1970

State	Average annual salaries of full-time employees of state and local governments			Average salaries paid teachers		
	1965	1970	Percent increase	1965-66	1970-71	Percent increase
	1	2	3	4	5	6	7
Alabama	\$4,524	\$ 6,216	37.4	\$5,150	\$ 7,376	43.2
Alaska	8,904	12,240	37.5	8,340	13,570	62.7
Arizona	6,288	8,760	39.3	6,960	9,281	33.3
Arkansas	4,212	5,628	33.6	4,627	6,525	41.0
California	7,812	10,596	35.6	8,064	11,022	36.7
Colorado	5,748	7,860	36.7	6,357	8,614	35.5
Connecticut	6,528	9,300	42.5	6,798	10,075	48.3
Delaware	5,496	7,860	43.0	7,278	9,725	33.6
District of Columbia	6,768	9,036	33.5	7,300	10,606	45.3
Florida	5,016	7,632	52.2	6,190	8,797	42.1
Georgia	4,380	6,420	46.6	5,395	7,494	38.9
Hawaii	6,240	9,504	52.3	6,820	10,285	50.8
Idaho	4,992	6,516	30.5	5,675	7,059	24.4
Illinois	6,444	9,264	43.8	6,989	10,249	46.6
Indiana	5,748	7,608	32.4	7,017	9,427	34.3
Iowa	5,292	7,560	42.9	5,937	9,103	53.3
Kansas	5,040	6,960	38.1	5,785	8,034	38.9
Kentucky	4,860	6,852	41.0	4,993	7,197	44.1
Louisiana	4,860	6,612	36.0	5,788	8,306	43.5
Maine	4,920	6,588	33.9	5,563	8,127	46.1
Maryland	5,916	8,724	47.5	6,757	10,091	49.3
Massachusetts	6,096	8,592	40.9	7,100	9,613	35.4
Michigan	6,552	9,852	50.4	6,850	10,962	60.0
Minnesota	6,156	8,976	45.8	6,660	9,778	46.8
Mississippi	3,900	5,436	39.4	4,212	6,004	42.5
Missouri	5,220	7,356	40.9	5,875	8,185	39.3
Montana	5,592	7,260	29.8	5,800	8,173	40.9
Nebraska	4,968	7,044	41.8	5,225	8,120	55.4
Nevada	6,312	8,892	40.9	6,972	9,551	37.0
New Hampshire	5,148	7,548	46.6	5,731	8,311	45.0
New Jersey	6,444	9,012	39.9	6,968	10,025	43.9
New Mexico	5,328	7,068	32.7	6,408	8,112	26.6
New York	6,780	9,708	43.2	7,700	11,034	43.3
North Carolina	5,340	7,164	34.2	5,373	7,772	44.6
North Dakota	5,184	7,140	37.7	5,120	7,257	41.7
Ohio	5,568	7,908	42.0	6,320	8,676	37.3
Oklahoma	4,728	6,600	39.6	5,686	7,657	34.7
Oregon	6,144	8,400	36.7	6,740	9,021	33.8
Pennsylvania	5,532	8,220	48.6	6,590	9,186	39.4

TABLE 46.—AVERAGE SALARIES PAID FULL-TIME EMPLOYEES OF STATE AND LOCAL GOVERNMENTS AND AVERAGE SALARIES PAID TEACHERS, 1965 AND 1970 (Continued)

State	Average annual salaries of full-time employees of state and local governments			Average salaries paid teachers		
	1965	1970	Percent increase	1965-66	1970-71	Percent increase
	1	2	3	4	5	6	7
Rhode Island	\$5,640	\$8,292	47.0	\$6,500	\$ 9,301	43.1
South Carolina	4,356	6,216	42.7	4,729	6,950	47.0
South Dakota	4,980	6,624	33.0	4,625	7,392	59.8
Tennessee	4,620	6,312	36.6	5,100	7,550	48.0
Texas	5,004	7,044	40.8	5,930	8,147	37.4
Utah	5,700	7,608	33.5	6,250	8,048	28.8
Vermont	5,232	7,680	46.8	5,500	8,265	50.3
Virginia	5,148	7,560	46.9	5,725	8,582	49.9
Washington	6,468	9,072	40.3	6,914	9,900	43.2
West Virginia	4,788	6,552	36.8	5,000	7,626	52.5
Wisconsin	6,240	8,892	42.5	6,422	9,640	50.1
Wyoming	5,592	7,092	26.8	6,404	8,687	35.6
UNITED STATES	5,916	8,364	41.4	6,485	9,269	42.9

SOURCES: U. S. Department of Commerce, Bureau of the Census, *Public Employment in 1970* and *Public Employment in 1965*.

Salaries for teachers are from the NEA Research Division, *Estimates of School Statistics*.

NOTE: Annual salaries for employees of state and local governments are based on October earnings; salaries for teachers are for school years 1965-66 and 1970-71.

TABLE 47.—MEAN MINIMUM AND MAXIMUM SALARIES FOR SELECTED POSITIONS IN STATE AND LOCAL GRANT-AIDED EMPLOYMENT SECURITY, PUBLIC WELFARE, PUBLIC HEALTH, AND RELATED PROGRAMS, JULY 1, 1969, 1970 AND 1971

Position and class of employment	Average MINIMUM salary			Average MAXIMUM salary			Percent increase, July 1, 1971 over			
	1	2	3	4	5	6		7	8	9
	July 1, 1969	July 1, 1970	July 1, 1971	July 1, 1969	July 1, 1970	July 1, 1971		July 1, 1969	July 1, 1970	July 1, 1971
EMPLOYMENT SECURITY										
State director, employment service		\$13,951	\$14,918	\$16,131	15.6	\$17,889	\$19,274	\$20,590	15.1	
Chief of benefits		11,670	12,513	12,997	11.4	14,964	16,092	16,859	12.7	
Hearings referee		9,979	10,583	11,119	11.4	12,889	13,637	14,433	12.0	
Local office manager		8,101	8,651	9,007	11.2	10,400	11,100	11,640	11.9	
Unemployment claims deputy		6,717	7,239	7,488	11.5	8,548	9,232	9,670	13.1	
Employment interviewer		6,299	6,694	6,941	10.2	7,993	8,531	8,940	11.8	
Director of research and statistics		12,250	12,960	13,648	11.4	15,704	16,654	17,691	12.7	
Labor force analyst		7,391	7,820	8,104	9.6	9,461	9,992	10,457	10.5	
Employment counselor		7,232	7,719	7,974	10.3	9,209	9,850	10,278	11.6	
Unemployment insurance field auditor		7,336	7,854	8,164	11.3	9,417	10,107	10,541	11.9	
PUBLIC WELFARE										
Director of welfare research and statistics		11,898	12,696	13,251	11.4	15,270	16,321	17,119	12.1	
Public welfare field representative		10,096	10,798	11,299	11.9	12,980	13,802	14,503	11.7	
Medical social work consultant		9,800	10,481	11,313	15.4	12,659	13,471	14,591	15.3	
State director of social services		12,712	14,262	15,272	20.1	15,843	17,469	18,540	17.0	
Social service supervisor		7,734	8,303	8,811	13.9	10,579	11,274	12,070	14.1	
Social service worker		6,087	6,556	6,771	11.2	8,256	8,741	9,205	11.5	
Consultant on foster care and licensing		9,575	10,218	10,512	9.8	12,325	13,102	13,567	16.1	
PUBLIC HEALTH										
Director of public health statistics		11,707	12,432	13,232	13.0	15,024	15,753	16,796	11.8	
Director of public health engineering		16,111	17,272	17,805	10.5	20,448	22,043	22,727	11.1	
Public health engineer		8,570	8,967	9,264	8.1	10,862	11,398	11,840	9.0	
Sanitarian		6,694	7,158	7,665	14.5	8,672	9,234	9,835	13.4	
Health officer		15,382	16,690	17,907	16.4	19,393	20,964	22,303	15.0	
State director, public health nursing		12,150	12,883	13,575	11.7	15,648	16,547	17,619	12.6	

PUBLIC HEALTH (Continued)									
Public health nurse consultant	\$ 9,406	\$ 9,961	\$10,494	11.6	\$12,036	\$12,802	\$13,512	12.3	
Public health nurse	6,698	7,114	7,450	11.2	8,691	9,244	9,666	11.2	
Director of public health education	11,561	12,203	12,841	11.1	14,607	15,188	16,028	9.7	
Nutrition consultant	8,463	9,071	9,441	11.6	10,852	11,637	12,209	12.5	
Laboratory technician	6,778	7,227	7,480	10.4	8,636	9,242	9,529	10.3	
MENTAL HEALTH									
Psychiatrist	18,857	19,810	21,029	11.5	23,302	24,642	26,029	11.7	
Psychologist	9,383	9,937	10,588	12.8	12,067	12,898	13,711	13.6	
Psychiatric social worker	8,368	8,944	9,429	12.7	10,675	11,581	12,167	14.0	
VOCATIONAL REHABILITATION									
Vocational rehabilitation director	15,816	17,354	18,813	18.9	18,660	20,189	22,050	18.2	
Vocational rehabilitation counselor	7,635	8,071	8,384	9.8	9,854	10,442	10,876	10.4	
CIVIL DEFENSE									
State director, civil defense	15,079	16,309	16,826	11.6	17,311	18,659	19,869	14.8	
Deputy state director, civil defense	11,533	12,260	12,764	10.7	14,640	15,135	15,882	8.5	
Administrative officer	9,030	9,465	10,046	11.3	11,544	12,065	12,771	10.6	
Operations officer	9,546	9,878	10,206	6.9	12,228	12,664	13,163	7.6	
Area coordinator	8,503	8,856	8,998	5.8	10,906	11,347	11,554	5.9	
Training and education officer	8,434	8,636	8,844	4.9	10,920	11,148	11,485	5.2	
Public information officer	8,589	8,678	8,961	4.3	10,993	11,099	11,577	5.3	
Radio logical defense officer	8,925	9,250	9,957	11.6	11,476	11,734	12,693	10.6	
Communications officer	8,398	8,796	9,146	8.9	10,801	11,266	11,829	9.5	

SOURCE: U.S. Civil Service Commission, Bureau of Intergovernmental Personnel Programs, *Salary Ranges of Selected State Classes, July 1, 1971*, Washington, D.C.: the Commission, 1972.

TABLE 48.—AVERAGE ANNUAL EARNINGS OF FULL-TIME CITY EMPLOYEES BY FUNCTION AND AVERAGE SALARIES OF CLASSROOM TEACHERS

Function	Calendar years 1964 to 1970									Percent change, 1970 over 1969
	1964	1965	1966	1967	1968	1969	1970	1970	1969	
Average salary paid classroom teachers (calendar-year basis)	\$6,062	\$6,292	\$6,600	\$7,028	\$7,599	\$8,180	\$ 8,846			8.1
City employees:										
All functions	5,784	6,012	6,324	6,720	7,284	7,752	8,508			9.8
Common municipal functions	5,568	5,796	6,060	6,456	7,080	7,428	8,172			10.0
Highways	5,136	5,376	5,556	5,904	6,288	6,708	7,128			6.3
Police protection	6,216	6,480	6,804	7,248	8,304	8,220	9,276			12.8
Fire protection	6,408	6,684	7,092	7,464	8,052	8,868	9,768			10.1
Sewerage	5,040	5,112	5,484	5,772	6,240	6,420	7,044			9.7
Sanitation (other than sewerage)	4,860	4,992	5,268	5,520	6,000	6,228	6,864			10.2
Parks and recreation	4,680	4,848	5,220	5,352	5,772	6,276	6,600			5.2
Libraries	4,380	4,572	4,716	5,292	5,448	5,844	6,288			7.6
Financial administration	5,256	5,436	5,760	6,120	6,504	6,888	7,560			9.8
General control	5,820	6,072	6,108	6,480	6,984	7,452	8,268			11.0
Water supply	5,196	5,460	5,784	6,036	6,468	7,032	7,488			6.5
Variable municipal functions	6,096	6,312	6,588	7,080	7,560	8,172	8,940			9.4
Education (schools and colleges)	7,056	7,236	7,356	7,836	8,232	9,216	10,056			9.1
All other	5,448	5,688	6,036	6,540	7,080	7,416	8,160			10.0



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Average salary paid classroom teachers (calendar-year basis)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
City employees:									
All functions	95.4	95.5	95.8	95.6	95.9	94.8	96.2	96.2	96.2
Common municipal functions	91.9	92.1	91.8	91.9	93.2	90.8	92.4	92.4	92.4
Highways	84.7	85.4	84.2	84.0	82.7	82.0	80.6	80.6	80.6
Police protection	102.5	103.0	103.1	103.1	109.3	100.5	104.9	104.9	104.9
Fire protection	105.7	106.2	107.5	106.2	106.0	108.4	110.4	110.4	110.4
Sewerage	83.1	81.2	83.1	82.1	82.1	78.5	79.6	79.6	79.6
Sanitation (other than sewerage)	80.2	79.3	79.8	79.5	79.0	76.1	77.6	77.6	77.6
Parks and recreation	77.2	77.1	79.1	76.2	76.0	76.7	74.6	74.6	74.6
Libraries	72.3	72.7	71.5	75.3	71.7	71.4	71.1	71.1	71.1
Financial administration	86.7	86.4	87.3	87.1	85.6	84.2	85.5	85.5	85.5
General control	96.0	96.5	92.5	92.2	91.9	91.1	93.5	93.5	93.5
Water supply	85.7	86.8	87.6	85.9	85.1	86.0	84.6	84.6	84.6
Variable municipal functions	100.6	100.3	99.8	100.7	99.5	99.9	101.1	101.1	101.1
Education (schools and colleges)	116.4	115.0	111.5	111.5	108.3	112.7	113.7	113.7	113.7
All other	89.9	90.4	91.5	93.1	93.2	90.7	92.2	92.2	92.2

SOURCE: U.S. Department of Commerce, Bureau of the Census, *City Employment*, G.E. Series 1964 to 1970.

NOTE: Salaries for classroom teachers from NEA Research Division. Annual average salaries of city employees based on October earnings.



TABLE 49.—AVERAGE MONTHLY EARNINGS FOR SELECTED OCCUPATIONS IN MUNICIPAL GOVERNMENTS
(Various Dates, May 1970 to March 1971)

Occupation	Atlanta	Boston	Buffalo	Chicago	Houston	Kansas City	Los Angeles	New Orleans	New York	Newark	Philadelphia
1	2	3	4	5	6	7	8	9	10	11	12
OFFICE CLERICAL:											
Clerks, payroll .....	...	\$625	...	\$ 660	...	...	...	...	...	...	...
Clerks, accounting	\$618	560	\$556	534	\$663	\$454	...	\$414	\$ 469	\$ 533	\$ 676
Stenographers	464	528	557	576	494	482	\$ 607	444	505	538	633
DATA PROCESSING:											
Computer operators	612	617	692	664	621	546	721	474	634	726	721
Computer programmers	734	667	805	925	663	673	967	576	713	752	820
Computer systems analysts	777	1,031	938	1,125	798	971	1,238	849	625	...	1,069
Tabulating—Machine operators	587	583	620	581	...	...	747	435	547	...	668
MAINTENANCE AND CUSTODIAL:											
Carpenters	722	666	667	1,051	710	658	880	533	1,048	1,063	775
Electricians	702	...	660	1,247	907	693	992	600	1,041	987	778
Mechanics, automotive	689	612	675	...	729	671	845	523	1,048	1,203	773
Painters	714	663	683	982	736	667	898	490	937	940	783
Plumbers .....	...	648	673	1,077	724	691	1,124	579	946	1,141	776
Helpers, maintenance trades .....	...	574	481	...	...	...	696	...	...	1,032	661

SOURCE: Columns 2-12 calculated on a weighted average basis, when applicable, by the NEA Research Division from the U.S. Department of Labor, Bureau of Labor Statistics, *Monthly Labor Review*, "Comparing Municipal Salaries with Industry and Federal Pay," October 1971, Volume 94, Number 10. NOTE: Where no employees matching BLS categories were reported, no figures are given.

TABLE 50.—SUMMARY OF SALARIES PAID EMPLOYEES OF STATE DEPARTMENTS OF EDUCATION, 1969-70, BY MAJOR FUNCTION

Function	Number of officers reported			Salaries paid				Range Low High
	1	2	3	4	5	6	7		8
Professional, administrative, and technical:								
Chief state school officer		52	\$24,625	\$19,625	\$23,702	\$30,000	\$13,750	\$45,000
Deputy chief state school officer		48	23,099	18,522	22,450	27,436	14,400	37,275
Associate and/or assistant chiefs		205	21,019	17,030	20,616	24,478	12,600	34,650
Administrative assistants		66	17,688	15,235	19,600	20,396	8,976	22,895
Directors of major divisions		297	17,250	14,566	16,537	19,101	9,152	27,605
Administration and special services		1,165	12,783	10,593	12,500	14,773	5,040	25,311
Finance, business, and plant		976	11,224	9,216	10,841	12,886	3,960	23,057
Instructional administration and services		6,035	11,260	9,145	10,800	13,248	4,800	28,935
Instructional services (subject matter)		508	13,332	11,580	13,270	15,000	8,040	21,760
Staff personnel services (department staff)		243	12,486	9,600	12,300	14,863	5,040	23,057
Pupil personnel, programs, and services		1,403	12,231	10,150	11,909	14,028	5,000	28,356
Total		10,998	\$12,162	a	a	a	\$3,960	\$45,000
Clerical positions:								
Secretaries and stenographers		4,924	\$5,295	\$4,588	\$5,177	\$5,832	b	b
Typists and clerk-typists		1,731	4,831	4,194	4,730	5,372	b	b
Accounting and payroll clerks		903	6,080	4,891	5,818	6,831	b	b
Other clerks or clerical assistants		2,170	5,059	4,125	4,803	5,925	b	b
Data processing:								
Machine operators		373	5,729	4,741	5,340	6,576	b	b
Other data processing		143	6,486	5,048	6,509	7,342	b	b
Total		10,244	\$5,270	\$4,419	\$5,090	\$5,962	b	b

SOURCE: National Education Association, Research Division, *Staff Salaries, State Departments of Education, 1969-70*, Research Report 1970-R7, Washington, D.C.: the Association, 1970, p. 7. Later data not available.

^aNot computed.

^bNot available; grouped data requested.

TABLE 51.—MEDIAN SALARIES PAID BY STATE EDUCATION ASSOCIATIONS, 1964-65 TO 1971-72, SELECTED STAFF POSITIONS

Staff position	Median salaries paid											Range of salaries paid, 1971-72	
	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70	1970-71	1971-72	Low	High			
	2	3	4	5	6	7	8	9	10	11			
Executive secretary	\$15,000	\$16,500	\$17,500	\$19,250	\$20,500	\$24,000	\$26,000	\$27,030	\$17,500	\$46,333			
Associate executive secretary .....	.....	.....	.....	.....	.....	18,500	20,600	24,400	17,000	35,000		
Assistant executive secretary	12,154	12,800	14,126	15,472	17,500	17,850	19,604	21,000	15,000	32,994			
Director of publications, editor	10,000	11,050	11,250	12,320	13,216	15,936	16,800	18,375	8,100	23,300			
Assistant editor, publications assistant	7,300	7,500	8,500	9,700	11,000	10,800	12,433	13,236	8,330	23,030			
Director of field service	11,410	11,970	12,700	14,800	16,750	17,820	19,604	17,600	11,500	27,300			
Assistant director of field service, field representative	10,075	9,750	10,000	11,550	12,500	14,280	14,662	15,500	9,000	22,100			
Director of research	11,000	10,710	11,965	14,100	16,150	17,500	18,900	19,600	12,800	32,697			
Assistant director of research	10,075	10,400	12,000	11,000	11,816	13,800	14,642	18,480	9,214	24,260			
Public relations director, consultant or assistant	11,400	11,200	11,745	13,860	14,490	15,936	17,355	17,640	11,200	32,697			
Director of professional relations, professional services	10,275	12,410	14,150	16,000	15,332	16,500	19,066	17,500	13,214	28,355			
Special professional services	10,500	11,000	12,306	12,500	14,968	15,627	.....	.....	.....	.....
Administrative assistant	7,420	8,250	10,889	10,500	10,500	10,632	11,000	13,900	9,400	20,814			
Office manager, business manager	8,400	9,250	10,400	11,500	9,678	10,300	11,419	13,965	8,523	17,000			

SOURCE: National Council of State Education Associations, 1971.

TABLE 52.—U.S. CLASSIFIED CIVIL SERVICE SCHEDULE OF ANNUAL RATES, BY GRADES, EFFECTIVE JANUARY 1972

General schedule grade	Steps within grade ^a									
	1	2	3	4	5	6	7	8	9	10
GS-1	\$ 4,564	\$ 4,716	\$ 4,868	\$ 5,020	\$ 5,172	\$ 5,324	\$ 5,476	\$ 5,628	\$ 5,780	\$ 5,932
GS-2	5,166	5,338	5,510	5,682	5,854	6,026	6,198	6,370	6,542	6,714
GS-3	5,828	6,022	6,216	6,410	6,604	6,798	6,992	7,186	7,380	7,574
GS-4	6,544	6,762	6,980	7,198	7,416	7,634	7,852	8,070	8,288	8,506
GS-5	7,319	7,563	7,807	8,051	8,295	8,539	8,783	9,027	9,271	9,515
GS-6	8,153	8,425	8,697	8,969	9,241	9,513	9,785	10,057	10,329	10,601
GS-7	9,053	9,355	9,657	9,959	10,261	10,563	10,865	11,167	11,469	11,771
GS-8	10,013	10,347	10,681	11,015	11,349	11,683	12,017	12,351	12,685	13,019
GS-9	11,046	11,414	11,782	12,150	12,518	12,886	13,254	13,622	13,990	14,358
GS-10	12,151	12,556	12,961	13,366	13,771	14,176	14,581	14,986	15,391	15,796
GS-11	13,309	13,753	14,197	14,641	15,085	15,529	15,973	16,417	16,861	17,305
GS-12	15,866	16,395	16,924	17,453	17,982	18,511	19,040	19,569	20,098	20,627
GS-13	18,727	19,362	19,987	20,612	21,237	21,862	22,487	23,112	23,737	24,362
GS-14	21,960	22,692	23,424	24,156	24,888	25,620	26,352	27,084	27,816	28,548
GS-15	25,583	26,436	27,289	28,142	28,995	29,848	30,701	31,554	32,407	33,260
GS-16	29,678	30,667	31,656	32,645	33,634	34,623	35,612	36,601 ^b		
GS-17	34,335	35,480	36,625 ^b	37,770 ^b	38,915 ^b					
GS-18	39,693 ^b									

SOURCE: U.S. Civil Service Commission. *Classification Act of 1949, Amended.*^aAnnual increases are granted through Step 4. Intervals of two years are required for Steps 5, 6, and 7, and three years for Steps 8 and 9, or 17 years to reach maximum.^bLimited at present to \$36,000.

TABLE 53.—AVERAGE SALARIES OF FEDERAL CLASSIFIED EMPLOYEES COMPARED WITH AVERAGE SALARIES OF TEACHERS, SELECTED YEARS 1960 THROUGH 1970

GS—Grade	Average salaries of federal classified employees: ^a									Percent increase, 1970 over 1960
	July 1960	July 1962	July 1964	July 1966	July 1968	July 1969	July 1970	July 1970	July 1970	
1	2	3	4	5	6	7	8	9	9	
1	\$ 3,540	\$ 3,474	\$ 3,752	\$ 3,750	\$ 3,994	\$ 4,012	\$ 4,209	\$ 4,209	18.9	
2	3,762	3,712	3,983	4,067	4,370	4,534	4,823	4,823	28.2	
3	4,111	4,079	4,551	4,758	5,010	5,391	5,728	5,728	39.3	
4	4,455	4,444	5,125	5,474	5,784	6,226	6,615	6,615	48.5	
5	4,921	4,952	5,652	6,057	6,513	7,036	7,481	7,481	52.0	
6	5,401	5,490	6,297	6,776	7,286	7,964	8,445	8,445	56.4	
7	5,893	5,884	6,688	7,164	7,735	8,523	9,063	9,063	53.8	
8	6,411	6,430	7,476	8,099	8,802	9,710	10,306	10,306	60.8	
9	6,931	6,945	7,973	8,576	9,388	10,340	11,026	11,026	59.1	
10	7,476	7,492	8,836	9,582	10,580	11,679	12,366	12,366	65.4	
11	8,107	8,133	9,386	10,142	11,245	12,409	13,226	13,226	63.1	
12	9,555	9,451	11,101	11,999	13,399	14,802	15,770	15,770	65.0	
13	11,262	11,132	13,087	14,191	15,921	17,552	18,691	18,691	66.0	
14	12,818	12,679	15,362	16,740	18,806	20,659	21,961	21,961	71.3	
15	14,443	14,356	17,975	19,569	22,179	24,346	25,913	25,913	79.4	
16	15,648	15,662	20,744	22,253	25,660	28,446	30,265	30,265	93.4	
17	16,863	16,846	22,967	24,789	27,731	31,829	33,700	33,700	99.8	
18	18,500	18,500	24,500	25,890	28,000	33,495	35,505	35,505	91.9	
Average salary ^b	5,946	6,450	7,267	7,841	8,746	9,442	10,597	10,597	78.2	
Average salary paid classroom teachers ^c	5,088	5,587	6,062	6,600	7,599	8,180	8,846	8,846	73.9	

SOURCE: U. S. Department of Labor, Bureau of Labor Statistics *Current Wage Developments*, No. 284, September 1971.
^aAverage salaries were obtained by weighting each salary step within the grade by the number of employees at that step.
^bAverage salary from *Survey of Current Business*, various issues; average for civilian employers of federal government.
^cOn calendar-year basis; computed by NEA Research Division.



TABLE 54.—MEAN BASIC SALARIES OF CERTIFIED ENGINEERING TECHNICIANS, 1970*, BY LEVEL OF CERTIFICATION AND INDUSTRY CLASSIFICATION

Industry	Total technicians										Supervisors					Non-supervisors				
	Junior technician		Technician		Senior technician		Junior technician		Technician		Senior technician		Junior technician		Technician		Senior technician			
	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	
All industries	\$8,119	\$10,090	\$11,403	\$9,943	\$10,587	\$11,772	\$7,867	\$	9,733	\$11,014										
Aerospace	8,605	10,326	11,398	9,340	11,753	12,803	8,595	10,098	10,796											
Chemical-petroleum	8,577	10,473	11,812	9,502	11,235	12,414	8,410	10,116	11,384											
Electrical-electronics	8,182	10,453	11,314	9,502	11,427	12,124	7,804	10,059	10,763											
Metals-machinery	8,485	10,436	11,157	10,158	11,752	11,453	8,081	9,618	10,935											
Public utilities	8,678	10,150	11,117	9,286	10,568	11,459	8,473	9,898	10,837											
Construction-consulting	8,157	10,142	11,417	9,218	10,630	11,815	7,760	9,547	10,608											
Education-research	8,210	9,977	10,592	8,628	11,364	11,143	8,127	9,415	10,062											
Federal government	7,757	10,422	12,184	8,411	10,856	12,751	7,603	10,226	11,755											
State and local governments	7,401	9,400	10,599	7,887	9,789	10,837	7,285	8,915	10,074											

SOURCE: Engineering Manpower Commission of Engineers Joint Council. *Salaries and Income of Certified Engineering Technicians, 1970*. New York: the Commission, September 1970, p. 28-32. Used with permission.

*Certified according to standards established by the Institute for the Certification of Engineering Technicians (ICET).

TABLE 55.—MEAN BASIC SALARIES OF CERTIFIED ENGINEERING TECHNICIANS, 1970*, BY LEVEL OF EDUCATION

Industry	Total technicians										Supervisors					Non-supervisors			
	High school graduate		Post high school		Bachelor's degree or above		High school graduate		Post high school		Bachelor's degree or above		High school graduate		Post high school		Bachelor's degree or above		
	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	
All industries	\$ 9,851	\$10,258	\$ 9,999	\$10,667	\$10,405	\$10,992	\$11,020	\$11,484	\$ 9,418	\$ 9,738	\$ 9,417	\$ 9,904							
Aerospace	10,126	10,180	10,411	10,833	11,178	12,720	9,705	9,950	9,972	9,900									
Chemical-petroleum	10,780	10,979	10,266	10,174	12,490	11,658	11,061	11,442	10,619	9,985	8,906								
Electrical-electronics	10,151	10,302	9,560	11,087	11,865	11,384	10,833	11,483	9,060	9,904	10,656								
Metals-machinery	10,091	10,333	10,051	11,008	10,841	11,456	11,507	12,109	9,547	9,692	10,347								
Public utilities	10,126	10,115	9,966	10,149	10,303	10,379	10,828	11,010	9,961	9,977	9,739								
Construction-consulting	9,468	9,940	10,058	10,641	10,399	10,750	11,059	11,302	8,512	9,205	9,585								
Education-research	9,683	9,661	9,626	10,993	10,803	10,525	10,593	12,182	9,228	9,299	9,742								
Federal government	10,664	11,223	10,585	11,232	10,802	12,123	12,059	11,952	10,597	10,618	10,813								
State and local governments	9,188	9,528	9,429	9,959	9,825	10,229	10,023	10,689	8,429	8,719	8,872	8,681							

SOURCE: Engineering Manpower Commission of Engineers Joint Council. *Salaries and Income of Certified Engineering Technicians, 1970*. New York: the Commission, September 1970, p. 33-37.

*Certified according to standards established by the Institute for the Certification of Engineering Technicians (ICET).

TABLE 56.—MEDIAN EARNINGS OF YEAR-ROUND FULL-TIME CIVILIAN WORKERS 14 YEARS OLD AND OVER, SELECTED YEARS, 1960 TO 1970
MEN

Occupation group—men	Median annual earnings										Percent change, 1970 over 1969
	1960	1964	1965	1966	1967	1968	1969	1970	1970	9	
Total—all men workers	\$ 5,417	\$ 6,195	\$ 6,375	\$ 6,848	\$ 7,182	\$ 7,664	\$ 8,668	\$ 8,966			3.4
PROFESSIONAL, TECHNICAL, AND KINDRED WORKERS	7,115	8,543	8,459	9,205	9,782	10,542	11,750	12,255			4.3
Self-employed	10,858	13,257	11,799	14,880	14,631	17,358	20,279	20,031			-1.2
Salaried	6,954	8,262	8,269	8,958	9,569	10,243	11,427	11,937			4.5
Engineers, technical	8,740	10,467	10,375	11,218	11,697	12,359	13,501	14,254			5.6
Teachers, elementary and secondary schools	6,063	6,677	7,077	7,629	7,865	8,779	9,988	9,883			-1.1
Other salaried workers	6,643	7,746	7,879	8,519	9,260	9,784	10,856	11,459			5.6
FARMERS AND FARM MANAGERS	2,004	2,348	3,098	3,547	3,264	3,353	4,108	3,881			-5.5
MANAGERS, OFFICIALS, AND PROPRIETORS, EXCEPT FARM	6,648	7,567	7,895	8,826	9,300	9,794	11,015	11,665			5.9
Self-employed	5,258	5,997	6,765	6,662	7,278	7,409	7,830	7,767			-0.8
In retail trade	4,757	5,381	5,983	6,114	6,345	6,801	7,520	7,272			-3.3
Other self-employed	5,950	6,629	7,417	7,196	8,009	8,250	8,231	8,429			2.4
Salaried	7,472	8,476	8,531	9,465	9,881	10,661	11,849	12,597			6.3
CLERICAL AND KINDRED WORKERS	5,291	6,182	6,280	6,542	6,753	7,324	7,942	8,652			8.9
SALES WORKERS	5,842	6,918	7,226	7,553	7,754	8,292	9,233	9,765			5.8
In retail trade	4,760	5,746	6,077	6,150	6,264	6,915	7,436	7,633			2.6
Other sales workers	6,512	7,525	7,721	8,294	8,654	9,116	10,372	10,853			4.6
CRAFTSMEN, FOREMEN, AND KINDRED WORKERS	5,826	6,533	6,751	7,161	7,458	7,958	8,741	9,253			5.9
Foremen	6,796	7,257	7,681	8,104	8,721	9,051	9,792	10,531			7.5
Draftsmen	5,670	6,386	6,583	6,981	7,227	7,759	8,507	9,051			6.4
In construction	5,900	6,543	6,713	7,183	7,461	7,880	8,689	9,494			9.3
Other craftsmen	5,634	6,348	6,562	6,937	7,172	7,737	8,467	8,948			5.7
OPERATIVES AND KINDRED WORKERS	4,997	5,704	5,782	6,135	6,311	6,773	7,324	7,644			4.4
In durable goods manufacturing	5,212	5,931	6,137	6,449	6,550	7,113	7,520	7,710			2.5
In nondurable goods manufacturing	4,554	5,598	5,628	5,728	5,964	6,349	6,996	7,292			4.2
Other operative and kindred workers	4,915	5,521	5,543	6,008	6,203	6,627	7,252	7,753			6.9

SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLD	4,088	4,685	4,874	5,117	5,472	5,898	6,333	6,964	10.0
Waiters, cooks, and bartenders	4,010	4,318	4,880	4,491	...	...	...	...	...
Other service workers	4,100	4,803	4,868	5,210	...	...	...	...	...
FARM LABORERS AND FOREMEN	1,686	2,032	2,274	2,576	2,577	2,870	3,051	3,355	10.0
LABORERS, EXCEPT FARM AND MINE	4,017	4,319	4,651	5,133	5,331	5,606	6,024	6,462	7.3

SOURCE: U.S. Department of Commerce, Bureau of the Census. *Income of Families and Persons in the United States, Current Population Reports, Consumer Income Series, P-60, various numbers.*

TABLE 57.—MEDIAN EARNINGS OF YEAR-ROUND FULL-TIME CIVILIAN WORKERS 14 YEARS OLD AND OVER, SELECTED YEARS, 1960 TO 1970
WOMEN

Occupation group—women	Median annual earnings										Percent change, 1970 over 1969
	1960	1964	1965	1966	1967	1968	1969	1970	9	10	
TOTAL—All women workers	\$3,293	\$3,690	\$3,823	\$3,973	\$4,150	\$4,457	\$5,077	\$5,323			4.8
PROFESSIONAL, TECHNICAL, AND KINDRED WORKERS	4,358	5,132	5,514	5,779	6,324	6,610	7,308	7,850			7.4
Salaried	4,365	5,126	5,545	5,804	6,328	6,634	7,312	7,856			7.4
Medical and other health workers	4,078	4,615	5,079	5,307	.....	.....	.....	.....			.....
Teachers, elementary and secondary schools	4,581	5,183	5,653	5,910	6,377	6,630	7,233	7,856			8.6
Other salaried workers	4,709	5,455	5,833	6,164	6,237	6,631	7,362	7,821			6.2
FARMERS AND FARM MANAGERS .....	.....	.....	.....	.....	1,896	.....	.....	.....			.....
MANAGERS, OFFICIALS, AND PROPRIETORS, EXCEPT FARM	3,514	3,720	4,202	4,472	4,973	5,101	5,847	6,369			8.9
Self-employed	1,800	2,560	2,171	2,306	3,104	3,384	3,617	3,611			-0.2
In retail trade .....	.....	.....	.....	2,230	2,577	3,291	3,450	3,448			-0.1
Other self-employed .....	.....	.....	.....	.....	4,124	3,731	3,791	.....			.....
Salaried	4,220	4,729	4,655	5,101	5,427	5,466	6,226	6,885			10.6
CLERICAL AND KINDRED WORKERS	3,575	4,050	4,223	4,315	4,499	4,778	5,161	5,539			7.3
Secretaries, stenographers, and typists	3,744	4,243	4,436	4,419	4,732	4,921	5,364	5,668			5.7
Other clerical and kindred workers	3,475	3,926	4,094	4,233	4,340	4,693	5,024	5,446			8.4
SALES WORKERS	2,389	2,723	2,930	3,066	3,244	3,388	3,708	4,174			12.6
In retail trade	2,328	2,559	2,814	3,002	3,145	3,265	3,559	3,874			8.9
Other sales workers .....	.....	.....	.....	4,153	4,349	4,681	4,925	5,967			21.2
CRAFTSMEN, FOREMEN, AND KINDRED WORKERS .....	.....	.....	3,826	4,213	\$3,760	4,315	4,957	4,955			-0.1
Foremen .....	.....	.....	.....	4,250	4,261	4,484	5,265	5,223			-0.8
Craftsmen .....	.....	.....	.....	4,161	3,371	4,155	4,.....	4,772			6.4
OPERATIVES AND KINDRED WORKERS	2,969	3,247	3,273	3,387	3,631	3,956	4,301	4,465			3.8
In durable goods manufacturing	3,572	4,016	3,897	3,936	4,152	4,518	4,996	5,055			1.2
In nondurable goods manufacturing	2,740	3,178	3,149	3,276	3,498	3,843	4,018	4,242			5.6
Other operative and kindred workers	2,485	2,564	2,746	3,010	3,183	3,331	3,739	3,842			2.8

PRIVATE HOUSEHOLD WORKERS	1,156	1,149	1,238	1,334	1,300	1,464	1,706	1,990	16.6
SERVICE WORKERS, EXCEPT	2,340	2,533	2,702	2,695	2,903	3,159	3,632	3,875	6.7
PRIVATE HOUSEHOLD	2,229	2,258	2,301	2,490	...	...	...	...	...
Waiters, cooks, and bartenders	2,407	2,702	2,878	2,829	...	...	...	...	...
Other service workers .....	...	...	...	...	3,184	3,490	...	4,375	...

LABORERS, EXCEPT FARM AND MINE

SOURCE: U.S. Department of Commerce, Bureau of the Census. *Income of Families and Persons in the United States, Current Population Reports, Consumer Income Series, P-60, various numbers.*

TABLE 58.—MEDIAN EARNINGS OF YEAR-ROUND WORKERS, 1959 AND 1969, METROPOLITAN AND NONMETROPOLITAN AREAS

(in 1969 dollars)

Occupation group	Metropolitan area*			Nonmetropolitan area			Percent change, 1969 over 1959
	1969	1959	Percent change, 1969 over 1959	1969	1959	Percent change, 1969 over 1959	
	2	3	4	5	6	7	
MALE							
Professional and managerial workers	\$11,407	\$9,229	23.6	\$9,548	\$7,445	28.2	
Clerical and sales workers	8,182	6,744	21.3	7,380	5,980	23.4	
Craftsmen and foremen	9,162	7,358	24.5	7,733	6,359	21.6	
Operatives	7,673	6,369	20.5	6,423	5,436	18.2	
Nonfarm laborers	6,122	5,402	13.3	4,718	4,207	12.1	
Service workers (except household)	6,197	5,369	15.4	5,071	4,256	19.1	
Total	\$ 8,855	\$6,988	26.7	\$7,415	\$6,005	23.5	
FEMALE							
Professional and managerial workers	\$6,928	\$5,468	26.7	\$6,139	\$4,212	45.8	
Clerical and sales workers	4,945	4,417	12.0	4,148	3,580	15.9	
Craftsmen and foremen	5,044	4,346	16.1	^a	^a	^a	
Operatives	4,339	3,810	13.9	4,018	3,253	23.5	
Private household workers	1,216	1,392	-12.6	837	772	8.4	
Other service workers	3,345	2,774	20.6	2,659	1,987	33.8	
Total	\$4,853	\$4,110	18.1	\$4,033	\$3,211	25.6	

SOURCE: U.S. Department of Commerce, Bureau of the Census, *Trends in Social and Economic Conditions in Metropolitan and Nonmetropolitan Areas*. Series P-23.1. 37. Washington, D.C.: Government Printing Office, June 24, 1971.

*Standard metropolitan statistical areas as of 1960, in order to present data from the 1960 census comparable to that for the 1970 CPS.

^aNot computed.

TABLE 59.—MEDIAN EARNINGS OF WOMEN WORKERS AS A PERCENT OF MEDIAN EARNINGS OF MEN WORKERS, SELECTED OCCUPATIONAL GROUPS, 1960 TO 1970

Occupational group	Ratio of median earnings of women workers to that of men workers							
	1960	1964	1965	1966	1967	1968	1969	1970
	2	3	4	5	6	7	8	9
TOTAL—All occupational groups	60.8	59.6	60.0	58.0	57.8	58.2	58.6	59.4
PROFESSIONAL, TECHNICAL AND KINDRED WORKERS SALARIED	62.8	62.0	67.1	64.8	66.1	64.3	64.0	64.1
Teachers, elementary and secondary	75.6	77.6	79.9	77.5	81.1	75.5	72.4	79.5
Other salaried workers	70.9	70.4	74.0	72.4	67.4	67.8	67.8	68.3
CLERICAL AND KINDRED WORKERS	67.6	65.5	67.2	66.0	66.6	65.2	65.0	64.0
Other clerical and kindred workers	65.8	63.5	65.1	64.7	64.3	64.1	63.4	62.9
SALES WORKERS	40.9	39.4	40.5	40.6	41.8	40.9	40.2	42.7
In retail trade	48.9	44.5	46.3	48.8	50.2	47.2	47.9	50.8
Other sales workers .....	...	...	...	50.1	50.3	51.3	47.5	55.0
OPERATIVES AND KINDRED WORKERS	59.4	56.9	56.6	55.2	57.5	58.4	58.7	58.4
SERVICE WORKERS (except private household)	57.2	54.1	55.4	52.7	53.1	53.6	57.4	55.6

SOURCE: Computed from data in Tables 56 and 57.

TABLE 60.—TOTAL MONEY INCOME OF YEAR-ROUND FULL-TIME WORKERS BY YEARS OF SCHOOL COMPLETED, 1970

Years of School completed	Men		Women	
	Mean income	Median income	Mean income	Median income
	2	3	4	5
ELEMENTARY SCHOOL:				
Total	\$ 7,245	\$ 6,794	\$4,084	\$4,005
Less than 8 years	6,431	6,043	3,831	3,798
8 years	7,947	7,535	4,277	4,181
HIGH SCHOOL:				
Total	9,727	9,232	5,578	5,348
1 to 3 years	8,917	8,514	4,868	4,655
4 years	10,080	9,567	5,820	5,580
COLLEGE:				
Total	14,334	12,633	8,035	7,657
1 to 3 years	12,111	11,183	6,950	6,604
4 years	14,675	13,264	8,439	8,156
5 or more years	17,515	14,747	9,683	9,581
Total	\$10,697	\$9,521	\$6,046	\$5,615

SOURCE: Bureau of the Census, Series P-60 No. 80, October 4, 1971. *Income in 1970 of Families and Persons in the United States.*

TABLE 61.—MEAN ANNUAL SALARIES OF PROFESSIONAL SCIENTIFIC AND TECHNICAL PERSONNEL IN THE FEDERAL GOVERNMENT, 1967, 1968, AND 1969, BY SEX, SELECTED OCCUPATIONAL GROUPS

Occupational group	1967 mean salary				1968 mean salary				1969 mean salary			
	Total	Men*	Women	Total	Men*	Women	Total	Men*	Women	Total	Men*	Women
	2	3	4	5	6	7	8	9	10			
Scientists and engineers—Total	\$13,198	\$13,302	\$10,894	\$14,361	\$14,478	\$11,768	\$15,977	\$16,096	\$17,241			
Scientists	15,569	12,729	10,819	13,677	13,859	11,600	15,277	15,462	13,166			
Physical sciences	13,710	13,921	10,635	14,993	15,209	11,708	16,730	16,980	13,084			
Chemistry	12,475	12,885	10,229	13,621	14,062	11,216	15,197	15,656	12,623			
Geology	12,813	12,905	11,151	13,956	14,068	11,912	15,856	15,980	13,531			
Physics	13,847	13,902	12,020	14,994	15,042	13,254	16,688	16,746	14,675			
Mathematics and statistics	12,435	12,842	11,036	13,943	14,516	11,539	16,089	16,625	13,608			
Mathematics	11,627	11,963	10,592	12,153	12,592	10,764	14,175	14,873	13,082			
Mathematical statistician	13,635	14,143	11,179	14,494	15,068	12,026	15,891	16,445	13,417			
Statistics	13,511	13,916	11,943	14,580	15,058	12,745	16,158	16,655	14,207			
Biological sciences	11,006	11,052	10,094	11,867	11,918	10,808	13,243	13,295	12,106			
General biological sciences	12,576	13,254	9,165	13,459	14,162	9,971	15,099	15,829	11,233			
Microbiology	11,900	12,609	10,163	12,919	13,638	11,015	14,781	15,598	12,485			
Other biological sciences	11,202	11,335	10,622	12,074	12,241	11,253	12,182	12,190	12,120			
Social sciences:												
Economics	14,403	14,658	12,359	15,448	15,749	13,127	17,303	17,631	14,753			
History	12,103	12,586	10,112	12,713	13,282	10,453	14,089	14,800	11,198			
Social sciences	13,078	13,733	11,372	14,116	14,770	12,461	15,682	16,527	13,685			
Geography and cartography	10,787	10,930	9,373	12,356	12,488	11,020	12,867	13,027	11,263			
Psychology	13,830	14,205	11,596	15,270	15,611	13,238	17,160	17,453	15,234			
Engineers	13,767	13,796	12,073	15,006	15,016	13,114	16,637	16,648	14,407			
Health personnel	11,323	14,524	8,834	12,047	15,572	9,340	13,469	17,376	10,499			
Nurse	8,502	9,508	8,475	8,945	10,068	8,914	10,080	11,202	10,048			

INDEX: MEAN SALARY OF WOMEN = 100.0

Scientists and engineers—Total	121.1	122.1	100.0	122.0	123.0	100.0	120.7	121.6	100.0
Scientists	116.2	117.7	100.0	117.1	118.7	100.0	116.0	117.4	100.0
Physical sciences	128.9	130.9	100.0	128.1	129.9	100.0	127.9	129.8	100.0
Chemistry	122.0	126.0	100.0	121.4	125.4	100.0	120.1	124.0	100.0
Geology	114.9	115.7	100.0	117.2	118.1	100.0	117.2	118.1	100.0
Physics	115.2	115.7	100.0	113.1	113.5	100.0	113.7	114.1	100.0
Mathematics and statistics	112.7	116.4	100.0	120.8	125.8	100.0	118.2	122.2	100.0
Mathematics	109.8	112.9	100.0	112.9	117.5	100.0	110.6	113.7	100.0
Mathematical statistician	122.0	126.5	100.0	120.5	125.3	100.0	118.4	122.6	100.0
Statistics	113.1	116.5	100.0	114.4	118.1	100.0	113.7	117.2	100.0
Biological sciences	109.0	109.5	100.0	109.8	110.3	100.0	109.4	109.8	100.0
General biological sciences	137.2	144.6	100.0	135.0	142.0	100.0	134.4	140.9	100.0
Microbiology	117.1	124.1	100.0	117.3	123.8	100.0	118.4	124.9	100.0
Other biological sciences	105.5	106.7	100.0	107.3	108.8	100.0	100.5	100.6	100.0
Social sciences:									
Economics	116.5	118.6	100.0	117.7	120.0	100.0	117.3	119.5	100.0
History	119.7	124.5	100.0	121.6	127.1	100.0	125.8	132.2	100.0
Social sciences	115.0	120.8	100.0	113.3	118.5	100.0	114.6	120.8	100.0
Geography and cartography	115.1	116.6	100.0	112.1	113.3	100.0	114.3	115.7	100.0
Psychology	119.3	122.5	100.0	115.3	117.9	100.0	112.6	114.8	100.0
Engineers	114.2	114.3	100.0	114.4	114.5	100.06	115.5	115.6	100.0
Health personnel	128.2	165.5	100.0	129.0	166.7	100.0	128.3	165.5	100.0
Nurse	100.3	112.2	100.0	100.3	112.9	100.0	100.3	111.5	100.0

SOURCE: National Science Foundation. *Scientific and Technical Personnel in the Federal Government*. NSF 69-26. NSF 70-24, and NSF 70-44. Washington, D.C.: Government Printing Office, 1969 and 1970.

*Calculated by the NEA Research Division.

TABLE 62.—AVERAGE SALARIES PAID LIBRARIANS, 1970, BY HIGHEST DEGREE HELD AND BY SEX

Highest degree held	Average salary paid, 1970		
	All respondents	Men	Women
1	2	3	4
Bachelor's degree	\$ 9,563	\$11,652	\$ 9,404
Bachelor's in Library Service (5th year) ..	12,358	15,933	11,840
Master's in Library Service	11,553	13,403	10,812
Master's degree	12,803	14,841	11,737
Master's in Library Service and Master of Arts	12,846	13,862	11,983
Specialist (6th year)	12,827	15,007	12,260
Doctor's degree	18,513	19,649	15,492
Average - total respondents ^a	\$11,950	\$14,362	\$11,056

SOURCE: *American Libraries*, Bulletin of the American Library Association, Vol. 2, No. 4, April 1971, p. 413.

^aWeighted average computed by NEA Research Division from data reported by ALA.

TABLE 63.—AVERAGE SALARY PAID LIBRARIANS, 1970, BY TYPE OF LIBRARY AND HIGHEST DEGREE HELD

Type of library	Highest degree held							
	B.A. 2	B.L.S. (5th year) 3	M. in L.S. 4	M.A. 5	M. in L.S. and M.A. 6	Specialist (6th year) 7	Ph.D. 8	
Public library	\$ 9,534	\$12,547	\$11,103	\$12,474	\$12,336	\$12,202	\$16,090	
School library	8,809	10,711	11,052	11,579	12,432	11,839	16,204	
Special library	11,797	13,646	11,734	13,609	14,105	...	16,089	
University library	10,428	12,601	11,746	13,550	12,705	12,963	19,878	
College library	9,487	10,752	11,016	12,843	12,682	13,469	16,675	
Junior college library	7,935	12,422	12,013	11,854	12,375	15,667	18,544	
State library	11,352	14,226	12,282	13,811	14,084	13,014	16,640	
Hospital library	9,189	11,033	10,166	10,646	10,942	...	...
Library association	13,279	15,027	13,457	14,674	14,777	13,481	18,197	
Library school	8,430	11,445	12,848	13,026	12,571	13,718	18,407	
Library system headquarters	10,758	12,806	12,878	14,978	14,968	13,388	24,130	

SOURCE: *American Libraries*, Bulletin of the American Library Association, Vol. 2, No. 4, April 1971, p. 413.
NOTE: Averages shown are based on responses to questionnaire sent to members of American Library Association.

TABLE 64.—AVERAGE STARTING SALARIES OF PUBLIC-SCHOOL TEACHERS COMPARED WITH THOSE IN PRIVATE INDUSTRY, 1964-65 AND 1966-67 THROUGH 1972-73

Position or subject field	Average starting salaries										Percent change, 1972-73 over	
	1964-65	1966-67	1967-68	1968-69	1969-70	1970-71	1971-72	1972-73	1971-72	1972-73	1971-72	1972-73
BEGINNING TEACHERS WITH BACHELOR'S DEGREE	\$4,707	\$5,144	\$5,523	\$5,941	\$6,383	\$ 6,850	\$ 7,061	...	...	...	...	...
MALE COLLEGE GRADUATES WITH BACHELOR'S DEGREE^a												
Engineering	7,356	8,112	8,772	9,312	9,960	10,476	10,500	\$10,608				1.0
Accounting	6,444	7,128	7,776	8,424	9,396	10,080	10,260	10,356				0.9
Sales—marketing	6,072	6,744	7,044	7,620	8,088	8,580	8,736	8,904				1.9
Business administration	5,880	6,576	7,140	7,560	8,100	8,124	8,424	8,568				1.7
Liberal arts	5,712	6,432	6,780	7,368	7,980	8,184	8,292	8,328				0.4
Production management	6,564	7,176	7,584	7,980	8,736	9,048	9,792	9,828				0.4
Chemistry	6,972	7,500	8,064	8,520	9,276	9,708	9,720	9,840				1.2
Physics	7,200	7,740	8,448	8,916	9,348	10,080	9,636	9,900				2.7
Mathematics—statistics	6,636	7,260	7,944	8,412	8,952	9,468	9,192	9,276				0.9
Economics—finance	6,276	6,732	7,416	7,800	8,304	8,880	9,216	9,240				0.3
Other fields	6,360	7,044	7,644	7,656	8,796	9,264	8,580	8,664				1.0
Total—all fields (weighted average)	\$6,535	\$7,243	\$7,836	\$8,395	\$8,985	\$ 9,361	\$ 9,534	\$ 9,632				1.0
WOMEN COLLEGE GRADUATES WITH BACHELOR'S DEGREE^b												
Mathematics—statistics	6,108	6,324	7,104	7,776	8,484	8,952	9,312	9,516				2.2
General business	4,848	5,520	6,000	6,840	7,104	8,184	8,076	8,184				1.3
Chemistry	6,468	7,056	7,452	8,280	8,532	9,180	9,744	9,816 ^c				0.7
Accounting	5,664	6,768	6,984	7,716	8,304	8,952	9,516	10,224				7.4
Home economics	5,112	5,664	6,276	6,660	7,056	7,380	7,932	ND				...
Engineering—technical research	7,224	7,260	8,208	8,904	9,672	10,128	10,608	10,560				0.5
Economics—finance	5,448	6,000	6,636	6,984	7,224	8,400	8,400	ND				...

INDEX RELATIONSHIP TO STARTING SALARIES FOR TEACHERS

BEGINNING TEACHERS WITH BACHELOR'S DEGREE	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
MALE COLLEGE GRADUATES WITH BACHELOR'S DEGREE ^a										
Engineering	156.3	157.7	158.8	156.7	156.0	152.9	148.7			
Accounting	136.9	138.6	140.8	141.8	147.2	147.2	145.3			
Sales—marketing	129.0	131.1	127.5	128.3	126.7	125.3	123.7			
Business administration	124.9	127.8	129.3	127.3	126.9	118.6	119.3			
Liberal arts	121.4	125.0	122.8	124.0	125.0	119.5	117.4			
Production management	139.5	139.5	137.3	134.3	136.9	132.1	138.7			
Chemistry	148.1	145.8	146.0	143.4	145.3	141.7	137.6			
Physics	153.0	150.5	153.0	150.1	146.5	147.2	136.5			
Mathematics—statistics	141.0	141.1	143.8	141.6	140.2	138.2	130.2			
Economics—finance	133.3	130.9	134.3	131.3	130.1	129.6	130.5			
Other fields	135.1	136.9	138.4	128.9	137.8	135.2	121.5			
Total—all fields (weighted average)	138.8	140.8	141.9	141.3	140.8	136.7	135.0			
WOMEN COLLEGE GRADUATES WITH BACHELOR'S DEGREE ^b										
Mathematics—statistics	129.8	122.9	128.6	130.9	132.9	130.7	131.9			
General business	103.0	107.3	108.6	115.1	111.3	119.5	114.4			
Chemistry	137.4	137.2	134.9	139.4	133.7	134.0	138.0			
Accounting	120.3	131.6	126.5	129.9	130.1	130.7	134.8			
Home economics	108.6	110.1	113.6	112.1	110.5	107.7	112.3			
Engineering—technical research	153.5	141.1	148.6	149.9	151.5	147.9	150.2			
Economics—finance	115.7	116.6	120.2	117.6	113.2	122.6	119.0			

^aFrom annual reports of Frank S. Endicott, Director of Placement, Northwestern University. Salaries are based on offers made to graduates by approximately 300 companies located throughout the United States. 1972-73 salaries are based on offers made in November 1971 to men who will graduate in June 1972. Salaries for women are based largely on information concerning direct hires of women by many of the same companies.

^bComputed from data presented in the Endicott reports.

^cFor science graduates.

ND = No data available

TABLE 65.—AVERAGE STARTING SALARIES PAID TO MEN JUNE GRADUATES WITH BACHELOR'S DEGREES, 1950 TO 1972^a

Year	Engineering	Accounting	Sales- Marketing	General Business Administration
1	2	3	4	5
1950	\$ 3,120	\$ 2,856	\$2,889	\$2,808
1951	3,240	2,952	2,964	2,892
1952	3,660	3,300	3,300	3,252
1953	3,900	3,564	3,612	3,504
1954	4,260	3,900	3,936	3,864
1955	4,452	4,068	4,068	4,044
1956	4,980	4,464	4,440	4,356
1957	5,448	4,824	4,776	4,716
1958	5,664	5,004	4,944	4,884
1959	5,868	5,196	5,064	4,932
1960	6,120	5,352	5,280	5,136
1961	6,348	5,544	5,436	5,220
1962	6,648	5,856	5,616	5,592
1963	7,140	6,288	5,880	5,808
1964	7,356	6,444	6,072	5,880
1965	7,584	6,732	6,276	6,240
1966	8,112	7,128	6,744	6,576
1967	8,772	7,776	7,044	7,140
1968	9,312	8,424	7,620	7,560
1969	9,960	9,396	8,088	8,100
1970	10,476	10,080	8,580	8,124
1971	10,500	10,260	8,736	8,424
1972 ^b . . .	10,608	10,356	8,904	8,568

SOURCE: Endicott, Frank S. *Trends in Employment of College and University Graduates in Business and Industry*. Twenty-Sixth Annual Report. Evanston, Ill.: the Author (Director of Placement, Northwestern University), December 1971. Data for 1971 include reports from 185 corporations which send recruiters to college campuses. Annual salaries calculated by NEA Research Division by conversion of monthly data given in the report.

^a Average starting salaries for 1950 through 1962 are company averages and do not take into account the number of graduates to be hired. Average starting salaries for 1963 through 1972 are weighted by the number of graduates to be hired.

^b Estimates of starting salaries made in November 1971 to men who will graduate in June 1972.

TABLE 66.—AVERAGE STARTING SALARIES FOR WOMEN WITH BACHELOR'S DEGREES EMPLOYED IN 1966 THROUGH 1972

Position subject field	Average starting salaries ^a									Percent change, 1972 over 1971
	1966	1967	1968	1969	1970	1971	1972	1972	1972	
I	2	3	4	5	6	7	8	8	9	
Mathematics-Statistics General Business and	\$6,324	\$7,104	\$7,776	\$8,484	\$ 8,952	\$ 9,312	\$ 9,516	\$ 9,516	2.2	
Liberal Arts	5,520	6,000	6,840	7,104	8,184	8,076	8,184	8,184	1.3	
Chemistry	7,056	7,452	8,280	8,532	9,180	9,744	9,816 ^b	9,816 ^b	0.7	
Accounting	6,768	6,984	7,716	8,304	8,952	9,516	10,224	10,224	7.4	
Home Economics	5,664	6,276	6,660	7,056	7,380	7,932	N.D.	N.D.	...	
Economics-Finance	6,000	6,636	6,984	7,224	8,400	8,400	N.D.	N.D.	...	
Engineering-Technical Research	7,260	8,208	8,904	9,672	10,128	10,608	10,560	10,560	-0.5	
INDEX: 1966 = 100.0										
Mathematics-Statistics General Business and	100.0	112.3	123.0	134.2	141.6	147.2	150.5	150.5	...	
Liberal Arts	100.0	108.7	123.9	128.7	148.3	146.3	148.3	148.3	...	
Chemistry	100.0	105.6	117.3	120.9	130.1	138.1	139.1	139.1	...	
Accounting	100.0	103.2	114.0	122.7	132.3	140.6	151.1	151.1	...	
Home Economics	100.0	110.8	117.6	124.6	130.3	140.0	...	...	...
Economics-Finance	100.0	110.6	116.4	120.4	140.0	140.0	...	...	...
Engineering-Technical Research	100.0	113.1	122.6	133.2	139.5	146.1	145.5	145.5	...	

^a Annual salaries computed by NEA Research Division from monthly salaries reported by Endicott.

^b For science graduates.

TABLE 67.—ESTIMATED AVERAGE ANNUAL STARTING SALARIES PAID TO MEN GRADUATES WITH A MASTER'S DEGREE, 1967 TO 1972

Field	Annual average starting salary*								Percent change, 1972 over 1971
	1967	1968	1969	1970	1971	1972	1971	1972	
1	2	3	4	5	6	7	8		
Engineering	\$10,296	\$10,932	\$11,340	\$12,216	\$12,360	\$12,456			0.8
Other technical fields	9,780	10,428	11,136	11,820	11,772	12,024			2.1
MBA with technical B.S.	10,344	11,172	12,012	12,636	13,272	13,308			0.3
MBA with non-technical B.A.	9,552	10,404	11,376	12,312	12,744	12,804			0.5
Accounting	9,096	10,428	11,232	12,240	12,552	12,588			0.3
Other fields	8,784	9,816	10,596	11,424	12,120	12,168			0.4
Total	\$ 9,715	\$10,578	\$11,290	\$12,178	\$12,608	\$12,679			0.6
INDEX: 1967 = 100.0**									
Engineering	100.0	106.2	110.1	118.6	120.0	121.0			...
Other technical fields	100.0	106.6	112.9	120.9	120.4	122.9			...
MB. with technical B.S.	100.0	108.0	116.1	122.2	128.3	128.7			...
MBA with non-technical B.A.	100.0	108.9	119.1	128.9	133.4	134.0			...
Accounting	100.0	114.6	123.5	134.6	138.0	138.4			...
Other fields	100.0	111.7	120.6	130.1	138.0	138.7			...
Total	100.0	108.9	116.2	125.4	130.0	130.5			...

*Annual salaries computed from monthly data reported by Endicott. Annual salaries shown do not allow for possible increases during the first year of employment. 1972 data are based on offers made in November 1971 to men who will graduate in June 1972.

**Computed by NEA Research Division.

TABLE 68.—AVERAGE ANNUAL BEGINNING SALARY OFFERS^a TO MALE BACHELOR'S DEGREE CANDIDATES, SELECTED YEARS, 1961-62 TO 1970-71, AND FIRST AND SECOND PERIODS OF 1971-72, BY CURRICULUM, FOR SELECTED TYPES OF EMPLOYERS IN BUSINESS AND INDUSTRY

Curriculum field	First and second periods												
	1961-62	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70	1970-71	1970-71	1971-72 ^b	1971-72 ^b	Percent increase
Accounting	\$5,928	\$6,420	\$6,636	\$7,020	\$7,644	\$8,268	\$ 9,132	\$10,032	\$10,152	\$10,200	\$10,176	8,844	0.2
Business—general (including management)	5,604	6,084	6,360	6,852	7,356	7,812	8,244	8,652	8,592	8,604	8,844	8,844	2.8
Engineering													
Aeronautical	7,008	7,548	7,740	8,172	8,688	9,132	9,732	10,200	10,320	10,464	10,608	10,608	1.4
Chemical	6,756	7,380	7,704	8,184	8,796	9,480	10,188	10,824	11,040	11,136	11,138	11,138	0.1
Civil	6,456	7,140	7,416	7,896	8,472	9,000	9,564	10,044	10,200	10,308	10,476	10,476	1.9
Electrical	6,996	7,488	7,692	8,148	8,736	9,288	9,912	10,428	10,524	10,500	10,632	10,632	1.3
Industrial	6,644	7,212	7,500	7,908	8,484	9,084	9,624	10,188	10,392	10,524	10,476	10,476	0.5
Mechanical	6,768	7,368	7,620	8,040	8,640	9,216	9,840	10,404	10,572	10,632	10,644	10,644	0.1
Humanities and Social Sciences	5,568 ^c	5,952	6,144	6,564	7,068	7,512	8,004	8,400	8,388	8,508	8,484	8,484	3.8
Marketing and Distribution	5,592	5,916	6,192	6,588	7,056	7,548	8,028	8,424	8,316	8,112	8,160	8,160	4.3
Physics, chemistry, and mathematics	6,684	7,056	7,308	7,704	8,292	8,736	9,408	9,708	9,528	9,528	9,660	9,660	1.4
Chemistry .....	...	6,960	7,260	7,728	8,268	8,748	9,300	9,900	9,540	9,456	9,336	9,336	1.3
Physics .....	...	7,356	7,632	7,968	8,544	9,012	9,636	9,924	9,912	9,864	9,984	9,984	1.2
Mathematics .....	...	6,936	7,152	7,584	8,208	8,640	9,348	9,528	9,444	9,468	9,720	9,720	2.7
All technical	6,840	7,368	7,620	8,052	8,640	9,204	9,828	...	...	...	...	...	...
All nontechnical ^d	5,712	6,132	6,384	6,840	7,368	7,884	8,532	...	...	...	...	...	...

SOURCE: College Placement Council. *Salary Survey, A Study of Beginning Offers*. Bethlehem, Pa.: the Council, various years 1962 to 1972. Quoted with permission.

^aMonthly amounts converted to annual salaries by the NEA Research Division. No allowance made for possible increases during first year of employment.

^bOffers to June 1972 graduates made between September 1, 1971, and February 14, 1972.

^cThis category is now called Humanities and Social Sciences; Biological Sciences were omitted because few offers were reported.

^dAccounting, Business-General, Humanities and Social Sciences, and Marketing and Distribution.

TABLE 59.—AVERAGE ANNUAL BEGINNING SALARY OFFERS TO INEXPERIENCED* MALE MASTER'S DEGREE CANDIDATES, 1962-63 TO 1970-71, AND FIRST AND SECOND PERIODS, 1971-72, BY CURRICULUM, FOR EMPLOYERS IN BUSINESS AND INDUSTRY

Curriculum field—graduate program, male graduates with master's degree	First and second periods:											
	1962-63	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70	1970-71	1970-71**	1971-72	Percent increase
BUSINESS ADMINISTRATION, INDUSTRIAL MANAGEMENT OR COMMERCE												
After nontechnical undergraduate degree	\$7,296	\$7,848	\$8,100	\$8,700	\$ 9,576	\$10,548	\$11,544	\$12,528	\$12,528	\$12,216	\$12,216	0.0
After technical undergraduate degree	8,304	8,616	9,048	9,588	10,428	11,256	12,324	13,344	13,332	12,900	13,068	1.3
ENGINEERING												
Chemical	8,268	8,676	9,108	9,708	10,296	11,028	11,724	12,432	12,648	12,660	12,528	1.0
Electrical	9,012	9,228	9,360	9,792	10,416	11,004	11,604	12,180	12,216	12,156	12,192	0.3
Mechanical	8,664	8,916	9,180	9,588	10,224	10,872	11,448	12,096	12,228	12,192	12,192	0.0
SCIENCES												
Chemistry	8,160	8,292	8,604	9,120	9,768	10,368	11,064	11,736	11,388	11,172	11,232	0.5
Mathematics	8,436	8,484	8,868	9,276	9,816	10,440	11,160	11,508	11,244	11,796	10,248	-13.1
Physics	8,568	8,628	9,132	9,312	9,816	10,572	11,196	11,820	11,148	10,212	11,196	9.6

SOURCE: College Placement Council. *Salary Survey, A Study of Beginning Offers*. Bethlehem, Pa.: the Council, 1966 to 1971. Quoted with permission. Monthly salaries converted to annual salaries by NEA Research Division.

*One year or less of full-time, non-military employment.

**Offers to June 1970 graduates made between September 1, 1971, and February 1971.

TABLE 70.—AVERAGE ANNUAL SALARY OFFERS* TO MALE DOCTORAL CANDIDATES BY CURRICULUM, FOR EMPLOYERS IN BUSINESS AND INDUSTRY, 1963-64 TO 1970-71, AND FIRST AND SECOND PERIOD OFFERS FOR 1971-72

Graduate program	First and second periods											
	1963-64**	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70	1970-71	1971-72	1971-72	1971-72	Percent increase
	2	3	4	5	6	7	8	9	10	11	12	
ENGINEERING												
Chemical	\$12,036	\$12,696	\$13,224	\$14,100	\$14,964	\$15,828	\$16,500	\$16,740	\$16,932	\$16,296		3.8
Electrical	13,452	13,992	14,436	15,32	15,792	16,548	17,148	16,656	15,996	16,464		2.9
Mechanical	12,204	13,392	13,632	14,544	15,384	15,708	16,440	15,336	14,712	16,116		9.5
SCIENCES												
Chemistry	11,628	12,108	12,756	13,416	14,160	14,904	15,336	15,108	15,216	15,696		3.2
Mathematics	12,552	13,056	13,716	14,640	14,700	15,336	17,052	17,376	14,616	15,732		7.6
Physics	11,880	13,704	13,656	13,944	14,724	15,420	15,708	15,780	16,164	16,980		5.0

SOURCE: College Placement Council. *Salary Survey, A Study of Beginning Offers*. Bethlehem, Pa.: the Council, 1966, through 1972. Quoted with permission.

*Monthly amounts converted to annual salaries by the NEA Research Division. No allowance made for possible increases during the first year of employment.

**Data from 1963-64 pilot study.



TABLE 71.—AVERAGE BEGINNING SALARIES OFFERED TO WOMEN GRADUATES WITH A BACHELOR'S DEGREE, 1966-67 THROUGH 1970-71*

Position or type of employer	1966-67**					
	1	2	3	4	5	6
POSITION						
Accountant/auditor	\$7,260	\$7,932	\$8,700	\$9,840	\$9,744	
Airline stewardess/reservationist	4,152	4,464	4,740	5,544	5,928	
Business trainee	6,000	6,360	6,996	7,332	7,416	
Community and service organization worker	5,532	5,952	6,384	6,828	6,876	
EDP programmer/systems analyst	7,356	7,860	8,388	9,024	8,952	
Engineer	8,520	9,324	9,612	10,284	10,620	
Home economist/dietitian	5,832	6,180	6,360	6,672	6,852	
Library internic	4,920	5,316	5,604	5,688	6,360	
Mathematician/statistician	7,404	7,848	8,496	8,880	8,472	
Medical worker	5,880	6,636	7,044	7,476	8,172	
Merchandising/sales promotion trainer	5,400	5,928	6,336	6,708	7,284	
Research assistant—nonscientific	5,904	6,396	6,864	7,296	6,840	
Research and lab assistant—scientific	6,744	7,224	7,608	7,644	7,560	
Secretary/receptionist	4,740	5,112	5,304	5,736	5,580	
Writer/editorial/public relations trainee	5,508	5,616	6,036	6,216	6,432	
EMPLOYER						
Business	6,120	6,840	7,200	7,776	7,524	
Government-federal	6,252	6,528	6,984	7,656	8,364	
Government-local and state	5,748	6,264	6,624	7,116	7,128	
Manufacturing/industrial	7,044	7,308	7,956	8,532	8,604	
Nonprofit and educational organization	5,388	5,988	6,444	6,840	7,224	

SOURCE: College Placement Council. *Women's Salary Survey*. Bethlehem, Pa.: July 1971. † p. Quoted with permission.

* Annual salaries computed by NEA Research Division from monthly salaries reported by the College Placement Council.

** Data from pilot study.

TABLE 72.—MEDIAN ANNUAL STARTING SALARIES OF INEXPERIENCED* GRADUATES IN CHEMISTRY AND CHEMICAL ENGINEERING, 1960 TO 1971

Position and degree	1960	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	Percent change, 1971 over 1970
	2	3	4	5	6	7	8	9	10	11	12	
CHEMISTS												
Bachelor's degree	\$5,700	\$6,000	\$6,492	\$6,600	\$6,900	\$7,200	\$7,800	\$8,400	\$8,760	\$8,900	\$8,100	9.0
Men	5,880	6,300	6,600	6,720	7,080	7,500	7,920	8,604	9,000	9,096	8,300	8.8
Women	5,100	5,400	5,676	5,760	5,988	6,600	7,200	7,500	8,424	7,728	7,800	0.9
Master's degree	6,000	6,936	7,200	7,500	8,004	8,664	9,300	9,600	10,020	10,100	9,200	8.9
Doctor's degree	9,000	9,900	10,200	10,920	11,700	12,120	12,900	13,536	14,400	14,700	14,400	2.0
CHEMICAL ENGINEERS												
Bachelor's degree	6,216	6,720	7,080	7,320	7,680	8,280	8,880	9,600	10,260	10,800	10,800	0.0
4-year curriculum (B.S.)	6,300	6,720	7,176	7,440	7,680	8,280	8,880	9,600	11,100	11,580	12,000	5.0
5-year curriculum (B.Ch.E.)	6,240	6,720	7,080	7,380	7,680	8,280	8,880	9,600	10,260	10,800	10,800	0.0
Master's degree	7,020	7,740	7,980	8,640	9,000	9,600	10,200	11,100	11,580	12,000	12,600	5.0
Doctor's degree	9,300	10,500	10,800	11,400	12,300	12,900	13,800	14,520	15,300	16,100	16,200	0.6
INDEX: 1960 = 100.0												
CHEMISTS												
Bachelor's degree	100.0	105.3	113.9	115.8	121.1	126.3	136.8	147.4	153.7	156.1	142.1	...
Men	100.0	107.1	112.2	114.3	120.4	127.6	134.7	146.3	153.1	154.7	141.2	...
Women	100.0	105.9	111.3	112.9	117.4	129.4	141.2	147.1	165.2	151.5	152.9	...
Master's degree	100.0	105.1	109.1	113.6	121.3	131.3	140.9	145.5	151.8	153.0	139.4	...
Doctor's degree	100.0	110.0	113.3	121.3	130.0	134.7	143.3	150.4	160.0	163.3	160.0	...
CHEMICAL ENGINEERS												
4- and 5-year curricula	100.0	107.7	113.5	118.3	123.1	132.7	142.3	153.8	164.4	173.1	...	...
Master's degree	100.0	110.3	113.7	123.1	128.2	136.8	145.3	158.1	165.0	170.9	179.5	...
Doctor's degree	100.0	112.9	116.1	122.6	132.3	138.7	148.4	156.1	164.5	173.1	171.2	...

SOURCE: *Chemical and Engineering News*, October 31, 1960, November 5, 1962, October 28, 1963, November 9, 1964, October 18, 1965, November 28, 1966, October 23, 1967, November 18, 1968, October 20, 1969, November 23, 1970, and November 1, 1971. Data quoted from *Chemical and Engineering News*, salaries by the American Chemical Society and reprinted by permission of the copyright owner. Data originally appeared as monthly salaries converted to annual salaries by the NEA Research Division.

*With less than one year of prior work experience.

TABLE 73.—STARTING SALARIES FOR BEGINNING TEACHERS WITH A BACHELOR'S DEGREE, INDEPENDENT (PRIVATE) SCHOOLS, BY CATEGORY OF SCHOOL, SELECTED YEARS 1964-65 TO 1971-72

Type of school	Median starting salary for beginning teachers								Range of starting salaries 1971-72			
	1964-65		1968-69		1969-70		1970-71		1971-72		Low	High
	1	2	3	4	5	6	7	8				
Girls' day		\$4,200	\$5,000	\$5,500	\$6,000	\$6,200	\$5,000	\$6,200	\$5,000	\$7,500		
Girls' boarding*		3,800	4,500	4,900	5,250	5,500	4,400	5,500	4,400	7,040		
Boys' day		4,500	5,600	6,000	6,500	7,000	4,500	7,000	4,500	8,500		
Boys' boarding*		3,600	4,200	4,800	5,000	5,300	3,800	5,300	3,800	7,500		
Boys' day elementary		4,500	5,000	6,000	**	**	...	...	...	...
Coeducational day		4,500	5,200	6,000	6,400	6,500	4,500	6,500	4,500	8,048		
Coeducational day elementary		4,300	4,500	5,600	6,000	6,000	3,200	6,000	3,200	7,800		
Coeducational boarding*		3,600	4,000	4,800	5,000	5,000	3,900	5,000	3,900	7,600		
Military		4,500	5,500	5,400	6,000	6,450	4,500	6,450	4,500	7,300		
Catholic		4,550	5,200	5,800	6,000	6,400	5,000	6,400	5,000	7,800		
Canadian	6,500	6,585	5,550	6,585	5,550	7,900		

SOURCE: National Association of Independent Schools, *Annual Statistics N.A.I.S. Member Schools*, various issues.

*Cash figures. Perquisites might bring the total compensation in line with day school salaries.

**Boys' day elementary schools combined with boys' day schools.

TABLE 74.—MINIMUM^a SALARIES OF FEDERAL CLASSIFIED EMPLOYEES BY GRADE, 1962 TO 1972

Grade	July 1962	July 1963	July 1964	October 1965	July 1966	October 1967	July 1968	July 1969	January 1970	January 1971	January 1972
	2	3	4	5	6	7	8	9	10	11	12
1	\$ 3,185	\$ 3,245	\$ 3,385	\$ 3,507	\$ 3,609	\$ 3,776	\$ 3,889	\$ 3,889	\$ 4,125	\$ 4,326	\$ 4,564
2	3,500	3,560	3,680	3,814	3,925	4,108	4,231	4,360	4,621	4,897	5,166
3	3,760	3,820	4,005	4,149	4,269	4,466	4,600	4,917	5,212	5,524	5,828
4	4,040	4,110	4,480	4,641	4,776	4,995	5,145	5,522	5,853	6,202	6,544
5	4,345	4,565	5,000	5,181	5,331	5,565	5,732	6,176	6,548	6,938	7,319
6	4,830	5,035	5,505	5,702	5,867	6,137	6,321	6,882	7,294	7,727	8,153
7	5,355	5,540	6,050	6,269	6,451	6,734	6,981	7,639	8,098	8,582	9,053
8	5,885	6,090	6,630	6,869	7,068	7,384	7,699	8,449	8,956	9,493	10,013
9	6,435	6,675	7,220	7,479	7,696	8,054	8,462	9,320	9,881	10,470	11,046
10	6,995	7,290	7,900	8,184	8,421	8,821	9,297	10,252	10,869	11,517	12,151
11	7,560	8,045	8,650	8,961	9,221	9,657	10,203	11,233	11,905	12,615	13,309
12	8,955	9,475	10,250	10,619	10,927	11,461	12,174	13,389	14,192	15,040	15,866
13	10,365	11,150	12,075	12,510	12,873	13,507	14,409	15,812	16,760	17,761	18,737
14	12,210	12,845	14,170	14,680	15,106	15,841	16,946	18,531	19,643	20,815	21,960
15	13,730	14,565	16,460	17,055	17,550	18,404	19,780	21,589	22,885	24,251	25,583
16	15,255	16,000	18,935	19,619	20,075	20,982	22,835	25,044	26,547	28,129	29,678
17	16,530	18,000	21,445	22,217	22,760	23,788	26,264	28,976	30,714	32,546	34,335
18	18,500	20,000	24,500	25,382	25,890	27,055	30,239	33,495	35,505	37,624 ^b	39,693 ^b

	INDEX RELATIONSHIP: 1962 = 100.0											
1	100.0	101.9	106.3	110.1	113.3	118.6	122.1	122.1	129.5	135.8	143.3	
2	100.0	101.7	105.1	109.0	112.1	117.4	120.9	124.6	132.0	139.9	147.6	
3	100.0	101.6	106.5	110.3	113.5	118.8	122.3	130.8	138.6	146.9	155.0	
4	100.0	101.7	110.9	114.9	118.2	123.6	127.4	136.7	144.9	153.5	162.0	
5	100.0	105.1	115.1	119.2	122.7	128.1	131.9	142.1	150.7	159.7	168.4	
6	100.0	105.1	115.1	119.2	122.7	128.1	131.9	142.1	150.7	160.0	168.8	
7	100.0	103.5	113.0	117.1	120.5	125.8	130.4	142.7	151.2	160.3	169.1	
8	100.0	103.5	112.7	116.7	120.1	125.5	130.8	143.6	152.2	161.3	170.1	
9	100.0	103.7	112.2	116.2	119.6	125.2	131.5	144.8	153.6	162.7	171.7	
10	100.0	104.2	112.9	117.0	120.4	126.1	132.9	146.6	155.4	164.6	173.7	
11	100.0	106.4	114.4	118.5	122.0	127.7	135.0	148.6	157.5	166.9	176.0	
12	100.0	105.8	114.5	118.6	122.0	128.0	135.9	149.5	158.5	168.0	177.2	
13	100.0	107.6	116.5	120.7	124.2	130.3	139.0	152.6	161.7	171.4	180.8	
14	100.0	105.2	116.1	120.2	123.7	129.7	138.8	151.8	160.9	170.5	179.9	
15	100.0	106.1	119.9	124.2	127.8	134.0	144.1	157.2	166.7	176.6	186.3	
16	100.0	104.9	124.1	128.6	131.6	137.5	149.7	164.2	174.0	184.4	194.5	
17	100.0	108.9	129.7	134.4	137.7	143.9	158.9	175.3	185.8	196.9	207.7	
18	100.0	108.1	132.4	137.2	139.9	146.2	163.5	181.1	191.9	203.4	214.6	

SOURCE: U.S. Civil Service Commission, *Classification Act of 1949, Amended.*

^aMinimum salaries are those paid at the first step in each grade.

^bLimited to \$36,000.

TABLE 75.—INCREASES IN BEGINNING SALARIES OF FEDERAL CIVILIAN EMPLOYEES COMPARED WITH THOSE FOR BEGINNING TEACHERS, 1965 TO 1972

GS Grade Step 1	1965	1972	Percent increase
1	2	3	4
U.S. Civil Service GS scale			
Step 1 of Grade			
1	\$ 3,507	\$ 4,564	30.1
2	3,814	5,166	35.1
3	4,149	5,828	40.5
4	4,641	6,544	41.0
5	5,181	7,319	41.3
6	5,702	8,153	43.0
7	6,260	9,053	44.4
8	6,869	10,013	45.8
9	7,479	11,046	47.7
10	8,184	12,151	48.5
11	8,961	13,309	48.5
12	10,619	15,866	49.4
13	12,510	18,737	49.8
14	14,680	21,960	49.6
15	17,055	25,583	50.0
16	19,619	29,678	51.3
17	22,217	34,335	54.5
18	25,382	39,693*	56.4
Average increase	....	....	46.0
Beginning salaries for teachers with B.A. (school-year basis)			
	4,925	7,061	43.4
SOURCE: Table 74 for GS data; NEA Research Division for teachers' beginning salaries. *Limited to \$36,000 in 1972.			

TABLE 76.—AVERAGE MINIMUM AND MAXIMUM ANNUAL SALARIES FOR POLICEMEN, FIREMEN, AND TEACHERS IN CITIES WITH A POPULATION OF 100,000 OR MORE, 1966-1971

Occupation	Year						Percent increase, 1971 over 1966
	1966	1967	1968	1969	1970	1971	
1	2	3	4	5	6	7	8
AVERAGE MINIMUM SALARY							
Teachers*	\$5,258	\$5,638	\$6,029	\$6,465	\$ 6,921	\$ 7,126	35.5
Firemen	5,945	6,264	6,774	7,445	8,066	8,513	43.2
Policemen	6,173	6,482	7,039	7,768	8,475	8,898	44.1
AVERAGE MAXIMUM SALARY							
Teachers*	7,959	8,437	8,976	9,500	10,293	10,559	32.7
Firemen	6,998	7,464	7,988	8,749	9,494	10,068	43.9
Policemen	7,327	7,823	8,324	9,216	10,038	10,589	44.5

SOURCE: Salary data for policemen and firemen from *Current Wage Developments*, No. 284, September 1971, U.S. Department of Labor, Bureau of Labor Statistics. Salaries for teachers from NEA Research Division.

*For bachelor's degree preparation level, and are for systems with enrollments of 25,000 or more which is approximately equivalent to cities with 100,000 population or more.

TABLE 77.—PERCENT DISTRIBUTION OF ANNUAL MINIMUM SALARIES PAID FIREMEN AND POLICEMEN, 1971
By City Size and Region

Employee group and salary distribution	City size																			
	All cities		500,000 to 250,000					100,000 to 249,999			Region ^b									
	100,000 and over	2	3	4	5	6	7	8	9	10										
FIREMEN:																				
Under \$6,500	10.1	...	...	7.8	12.8	21.5	...	33.4	2.9	4.2										
6,500-6,999	5.6	...	...	...	8.7	14.2	0.8	...	1.1	...										
7,000-7,499	11.0	...	...	6.3	25.9	15.2	5.3	17.5	13.8	8.6										
7,500-7,999	8.5	...	...	16.2	9.6	10.7	4.6	13.4	7.1	11.3										
8,000-8,499	13.2	6.5	...	24.7	9.5	13.8	18.4	7.9	17.3	4.6										
8,500-8,999	7.0	...	...	12.0	10.8	7.5	4.2	8.7	14.1	...										
9,000-9,499	23.6	53.3	...	21.1	5.5	7.0	50.2	...	18.8	12.0										
9,500-9,999	11.2	22.9	...	3.2	10.0	6.0	14.1	...	2.1	36.8										
10,000 and over	9.7	17.4	...	8.6	7.3	4.1	2.5	...	22.8	22.6										
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Average salary paid	\$8,513	\$9,708	\$8,521	\$7,936	\$7,616	\$8,990	\$8,868	\$9,137												
POLICEMEN:																				
Under \$6,500	5.1	...	...	4.6	8.1	17.2	...	21.1	1.4	3.1										
6,500-6,999	3.9	...	...	2.9	7.5	12.6	0.4	18.2	...	...								
7,000-7,499	7.0	...	...	5.1	27.3	9.5	0.6	14.4	7.5	12.9										
7,500-7,999	5.1	...	...	10.7	3.0	13.5	3.0	16.8	1.8	...										
8,000-8,499	16.7	8.1	...	32.5	14.7	20.3	12.9	9.4	33.2	6.5										
8,500-8,999	5.9	...	...	15.9	10.3	4.0	2.3	20.0	3.3	...										
9,000-9,499	28.6	49.9	...	19.8	6.6	3.0	61.8	...	12.2	...										
9,500-9,999	15.2	21.7	...	2.9	15.6	13.7	17.6	...	5.5	19.0										
10,000 and over	12.5	20.3	...	5.7	6.8	6.2	1.5	...	35.2	19.0										
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Average salary paid	\$8,898	\$9,723	\$8,475	\$8,161	\$7,912	\$9,242	\$8,365	\$9,241	\$9,546											

SOURCE: U.S. Department of Labor, *Current Wage Developments*, No. 284, September 1971.
^aPreliminary data.
^bNORTHEAST: Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont. SOUTH: Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia; NORTH CENTRAL: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; WEST: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

NOTE: Data relate to cities that had a population of 100,000 or more in 1960.



IV. FAMILY AND HOUSEHOLD INCOME

THE U.S. BUREAU OF THE CENSUS in its annual Consumer Income Series publishes median family income data together with a percentage distribution of such income. Table 78 gives this information for selected years between 1947 and 1970. Data for 1971 are not yet available. A regional distribution of median family incomes is shown in Table 79 for 1958 through 1970.

Per-capita effective buying income by state and region is shown in Table 80 for selected years between 1959 and 1970. These data are taken from the annual Survey of Buying Power made by *Sales Management* magazine for each of the years shown in the table; the data are used with permission of Sales Management.

Table 81 gives per-capita personal income by state and region for selected years between 1950 and 1970. Table 82 shows the same information in terms of the index relationship to per-capita income for 1960.

Average individual income per income tax return is shown in Table 83 for selected years between 1965 and 1969 on a regional basis.

In Table 84, average income per income tax return for 1969 is compared with average salaries of classroom teachers by geographic region.

Table 85 shows average income per income tax return in the 125 largest standard metropolitan areas for 1969 and index relationships to regional and national averages.

TABLE 78.—FAMILY INCOME, 1947, 1950, AND 1958 TO 1970

Year	Median income		Percent distribution—total money income in current dollars						Total
	Current dollars	1970 dollars	Under \$3,000	\$3,000–4,999	\$5,000–6,999	\$7,000–9,999	\$10,000–14,999	\$15,000 and over	
1	2	3	4	5	6	7	8	9	10
1947	\$3,031	\$5,259	49	31	12	5	(— 3 —)		100
1950	3,319	5,385	43	34	14	6	(— 3 —)		100
1958	5,087	6,826	24	25	24	17	8	2	100
1959	5,417	7,216	23	22	24	19	9	3	100
1960	5,620	7,376	22	20	24	20	10	4	100
1961	5,737	7,457	21	20	22	32	22	5	100
1962	5,956	7,659	20	19	22	21	13	5	100
1963	6,249	7,927	19	18	21	22	15	5	100
1964	6,569	8,227	18	17	20	23	16	6	100
1965	6,957	8,559	16	15	19	24	18	8	100
1966	7,500	8,977	14	14	18	25	20	9	100
1967	7,974	9,285	13	13	16	24	22	12	100
1968	8,632	9,633	10	12	15	23	25	15	100
1969	9,433	9,990	9	11	12	22	27	19	100
1970	9,867	9,867	9	10	12	20	27	22	100

SOURCE: U.S. Department of Commerce, Bureau of the Census. *Income in 1970 of Families and Persons in the United States*. Current Population Reports, Consumer Income Series, P-60, No. 80. Washington, D.C.: the Bureau, October 4, 1971. p. 21 and 22.

TABLE 79.—MEDIAN FAMILY INCOME, BY REGION, 1958 TO 1970
(In 1970 dollars)

Year	Median family income (in 1970 dollars)					Index: 1960 = 100.0				
	Northeast	North Central	South	West	Total, all regions	Northeast	North Central	South	West	Total, all regions
1	2	3	4	5	6	7	8	9	10	11
1958	\$ 7,479	\$ 6,908	\$5,488	\$ 7,613	\$6,826	94.1	90.9	95.4	88.7	92.5
1959	7,836	7,368	5,793	8,205	7,216	98.5	97.0	100.7	95.6	97.8
1960	7,952	7,596	5,753	8,581	7,376	100.0	100.0	100.0	100.0	100.0
1961	8,102	7,598	5,720	8,955	7,457	101.9	100.0	99.4	104.4	101.1
1962	8,447	8,034	5,939	8,648	7,659	106.2	105.8	103.2	100.8	103.8
1963	8,738	8,350	6,313	8,927	7,927	109.9	109.9	109.7	104.0	107.5
1964	9,055	8,557	6,664	9,127	8,227	113.9	112.7	115.8	106.4	111.5
1965	9,342	8,989	6,903	9,490	8,559	117.5	118.3	120.0	110.6	116.0
1966	9,526	9,527	7,539	9,774	8,977	119.8	125.4	131.0	113.9	121.7
1967	9,878	9,608	7,886	10,189	9,285	124.2	126.5	137.1	118.7	125.9
1968	10,145	10,162	8,241	10,453	9,633	127.6	133.8	143.2	121.8	130.6
1969	10,589	10,583	8,582	10,612	9,990	133.2	139.3	149.2	123.7	135.4
1970	10,696	10,327	8,552	10,273	9,867	134.5	136.0	148.7	119.7	133.8

SOURCE: U.S. Department of Commerce, Bureau of the Census. *Income in 1970 of Families and Persons in the United States*. Current Population Reports, Consumer Income Series, P-60, No. 80. Washington, D.C.: Government Printing Office, October 4, 1971.

Index computed by NEA Research Division.

TABLE 80.—PER-CAPITA EFFECTIVE BUYING INCOME, BY REGION, SELECTED YEARS 1959 TO 1970

Region and state	Per-capita effective buying income						
	1959	1961	1966	1967	1968	1969	1970
1	2	3	4	5	6	7	8
NEW ENGLAND	\$2,127	\$2,187	\$2,778	\$2,939	\$3,185	\$3,366	\$3,595
Connecticut	2,518	2,503	3,146	3,292	3,553	3,694	4,021
Maine	1,668	1,491	2,154	2,303	2,476	2,625	2,879
Massachusetts	2,134	2,259	2,794	2,955	3,213	3,434	4,640
New Hampshire	1,808	1,891	2,483	2,655	2,873	2,982	3,237
Rhode Island	1,883	2,041	2,616	2,786	3,068	3,190	3,302
Vermont	1,668	1,631	2,293	2,507	2,622	2,852	2,917
MIDDLE ATLANTIC	2,133	2,268	2,809	2,984	3,225	3,416	3,744
New Jersey	2,275	2,350	2,931	3,098	3,310	3,542	3,879
New York	2,241	2,420	2,933	3,127	3,389	3,579	3,956
Pennsylvania	1,901	1,997	2,545	2,692	2,918	3,086	3,333
EAST NORTH CENTRAL	2,021	2,056	2,781	2,922	3,175	3,305	3,442
Illinois	2,257	2,274	3,068	3,208	3,581	3,640	3,808
Indiana	1,867	1,909	2,747	2,831	2,952	3,123	3,211
Michigan	1,964	1,959	2,839	2,982	3,180	3,279	3,369
Ohio	1,999	2,043	2,587	2,736	2,937	3,187	3,355
Wisconsin	1,777	1,895	2,462	2,649	2,989	3,005	3,144
WEST NORTH CENTRAL	1,757	1,850	2,496	2,637	2,781	2,960	3,192
Iowa	1,732	1,806	2,582	2,779	2,876	3,029	3,306
Kansas	1,797	1,857	2,493	2,653	2,820	3,006	3,289
Minnesota	1,750	1,821	2,496	2,655	2,835	3,035	3,206
Missouri	1,834	1,974	2,532	2,636	2,787	2,947	3,096
Nebraska	1,752	1,881	2,518	2,651	2,775	2,945	3,308
North Dakota	1,520	1,592	2,212	2,279	2,341	2,529	2,917
South Dakota	1,499	1,538	2,135	2,225	2,375	2,649	2,962
SOUTH ATLANTIC	1,554	1,699	2,212	2,373	2,550	2,718	2,969
Delaware	2,396	2,462	2,903	3,038	3,142	2,895	3,117
District of Columbia	2,361	2,766	3,367	3,603	3,703	4,002	4,551
Florida	1,717	1,760	2,238	2,378	2,588	2,853	3,091
Georgia	1,419	1,444	2,085	2,241	2,398	2,585	2,798
Maryland	1,899	2,080	2,741	2,907	3,121	3,254	3,383
North Carolina	1,291	1,465	1,973	2,136	2,297	2,454	2,749
South Carolina	1,149	1,031	1,768	1,926	2,072	2,209	2,520
Virginia	1,550	1,851	2,202	2,384	2,589	2,728	2,973
West Virginia	1,437	1,553	1,972	2,109	2,224	2,294	2,561
EAST SOUTH CENTRAL	1,275	1,329	1,846	1,996	2,112	2,260	2,511
Alabama	1,300	1,287	1,805	1,932	2,028	2,150	2,441
Kentucky	1,304	1,412	1,975	2,141	2,266	2,457	2,662
Mississippi	1,064	1,137	1,569	1,739	1,835	1,931	2,198
Tennessee	1,352	1,413	1,942	2,091	2,231	2,396	2,626
WEST SOUTH CENTRAL	1,532	1,615	2,099	2,261	2,463	2,641	2,867
Arkansas	1,222	1,283	1,802	1,909	2,026	2,218	2,543
Louisiana	1,451	1,431	1,989	2,169	2,376	2,435	2,676
Oklahoma	1,595	1,689	2,179	2,308	2,478	2,680	2,826
Texas	1,601	1,719	2,171	2,344	2,567	2,777	3,008

**TABLE 80.—PER-CAPITA EFFECTIVE BUYING INCOME, BY REGION, SELECTED YEARS 1959 TO 1970
(CONTINUED)**

Region and state	Per-capita effective buying income						
	1959	1961	1966	1967	1968	1969	1970
1	2	3	4	5	6	7	8
MOUNTAIN	1,746	1,846	2,287	2,380	2,560	2,780	2,962
Arizona	1,674	1,755	2,163	2,280	2,502	2,839	3,054
Colorado	1,893	2,072	2,473	2,593	2,831	3,003	3,080
Idaho	1,618	1,625	2,237	2,249	2,360	2,463	2,739
Montana	1,736	1,818	2,304	2,385	2,502	2,647	2,960
Nevada	2,231	2,388	2,892	2,917	3,128	3,398	3,756
New Mexico	1,585	1,602	1,965	2,084	2,200	2,409	2,531
Utah	1,640	1,717	2,171	2,278	2,392	2,581	2,754
Wyoming	1,856	2,093	2,374	2,325	2,579	2,896	2,981
PACIFIC	2,153	2,302	2,866	3,019	3,239	3,437	3,653
Alaska	2,267	2,384	2,990	3,081	3,395	3,650	3,735
California	2,250	2,397	2,921	3,083	3,306	3,514	3,751
Hawaii	1,739	2,048	2,591	2,734	2,924	3,064	3,548
Oregon	1,813	1,940	2,618	2,620	2,790	2,985	3,127
Washington	1,946	2,040	2,731	2,938	3,173	3,320	3,418

SOURCE: Sales Management, "Survey of Buying Power," various issues. © 1960, 1962, 1967, 1968, 1969, 1970, and 1971. Sales Management Survey of Buying Power; further reproduction is forbidden.

TABLE 81.—PER-CAPITA PERSONAL INCOME BY STATE AND REGION, SELECTED YEARS, 1950-1970
(in current dollars)

Region and state	1950	1960	1962	1964	1966	1967	1968	1969	1970
1	2	3	4	5	6	7	8	9	10
UNITED STATES	\$1,496	\$2,216	\$2,370	\$2,590	\$2,987	\$3,169	\$3,436	\$3,705	\$3,921
NEW ENGLAND	1,601	2,424	2,608	2,805	3,210	3,454	3,710	4,026	4,277
Maine	1,186	1,942	1,896	2,114	2,447	2,549	2,794	3,021	3,257
New Hampshire	1,323	2,144	2,293	2,425	2,814	3,001	3,245	3,434	3,590
Vermont	1,121	1,842	1,980	2,150	2,645	2,793	3,045	3,261	3,465
Massachusetts	1,633	2,457	2,643	2,832	3,213	3,460	3,762	4,070	4,360
Rhode Island	1,605	2,219	2,428	2,657	3,059	3,297	3,558	3,714	3,902
Connecticut	1,875	2,806	3,032	3,227	3,688	4,001	4,290	4,625	4,856
MIDWEST	1,756	2,566	2,736	2,977	3,448	3,589	3,885	4,188	4,464
New York	1,873	2,749	2,929	3,193	3,583	3,841	4,172	4,485	4,769
New Jersey	1,834	2,708	2,893	3,086	3,490	3,708	4,005	4,298	4,598
Pennsylvania	1,541	2,242	2,367	2,595	2,981	3,171	3,400	3,685	3,927
Delaware	2,132	2,758	2,864	3,120	3,438	3,551	3,839	4,159	4,324
Maryland	1,602	2,342	2,559	2,793	3,159	3,352	3,678	3,983	4,255
District of Columbia	2,221	3,021	3,216	3,536	3,929	4,188	4,544	4,907	5,387
GREAT LAKES	1,666	2,383	2,518	2,767	3,229	3,369	3,646	3,932	4,082
Michigan	1,701	2,324	2,435	2,773	3,252	3,377	3,710	3,995	4,059
Ohio	1,620	2,335	2,433	2,661	3,109	3,236	3,519	3,815	3,972
Indiana	1,512	2,188	2,354	2,590	3,040	3,149	3,400	3,694	3,781
Illinois	1,825	2,649	2,820	3,048	3,539	3,718	3,978	4,280	4,502
Wisconsin	1,477	2,174	2,316	2,506	2,909	3,043	3,271	3,493	3,693
PLAINS	1,428	2,066	2,236	2,404	2,873	3,019	3,250	3,509	3,701
Minnesota	1,410	2,114	2,241	2,423	2,872	3,055	3,304	3,599	3,824
Iowa	1,485	1,987	2,184	2,421	3,015	3,051	3,264	3,534	3,688
Missouri	1,431	2,115	2,270	2,482	2,843	3,043	3,296	3,471	3,704
North Dakota	1,263	1,714	2,152	1,984	2,422	2,548	2,666	3,008	2,995
South Dakota	1,242	1,782	1,996	1,882	2,460	2,579	2,819	2,997	3,165
Nebraska	1,490	2,110	2,238	2,351	2,915	3,029	3,173	3,606	3,751
Kansas	1,443	2,158	2,321	2,523	2,994	3,133	3,389	3,633	3,823
SOUTHEAST	1,022	1,611	1,756	1,969	2,267	2,498	2,732	2,978	3,195
Virginia	1,228	1,841	2,021	2,274	2,623	2,826	3,100	3,348	3,607
West Virginia	1,065	1,596	1,711	1,922	2,225	2,376	2,522	2,713	3,021
Kentucky	981	1,576	1,763	1,911	2,281	2,442	2,658	2,874	3,073
Tennessee	994	1,544	1,704	1,894	2,268	2,407	2,636	2,882	3,085
North Carolina	1,037	1,562	1,737	1,943	2,326	2,492	2,724	3,004	3,207
South Carolina	893	1,379	1,548	1,729	2,117	2,273	2,498	2,733	2,936
Georgia	1,034	1,640	1,785	2,031	2,416	2,621	2,857	3,153	3,332
Florida	1,281	1,948	2,026	2,246	2,571	2,797	3,078	3,388	3,642
Alabama	880	1,489	1,586	1,796	2,090	2,212	2,427	2,657	2,853
Mississippi	755	1,206	1,328	1,528	1,829	1,989	2,189	2,362	2,575
Louisiana	1,120	1,656	1,762	1,970	2,321	2,525	2,738	2,859	3,049
Arkansas	825	1,374	1,564	1,785	2,105	2,228	2,418	2,649	2,791
SOUTHWEST	1,297	1,923	2,033	2,220	2,586	2,771	3,009	3,244	3,479
Oklahoma	1,143	1,862	1,932	2,134	2,504	2,678	2,880	3,083	3,312
Texas	1,349	1,926	2,041	2,245	2,632	2,826	3,069	3,303	3,531
New Mexico	1,177	1,888	2,013	2,104	2,365	2,464	2,672	2,882	3,131
Arizona	1,330	2,032	2,163	2,271	2,553	2,749	3,013	3,314	3,591

TABLE 81.—PER-CAPITA PERSONAL INCOME BY STATE AND REGION, SELECTED YEARS, 1950-1970 (Cont'd)
(in current dollars)

Region and state	1950	1960	1962	1964	1966	1967	1968	1969	1970
1	2	3	4	5	6	7	8	9	10
ROCKY MOUNTAIN	\$1,457	\$2,107	\$2,275	\$2,372	\$2,676	\$2,810	\$3,012	\$3,264	\$3,529
Montana	1,622	2,037	2,262	2,256	2,753	2,732	2,897	3,150	3,379
Idaho	1,295	1,850	2,041	2,150	2,447	2,609	2,718	3,015	3,240
Wyoming	1,668	2,261	2,378	2,427	2,755	2,888	3,068	3,320	3,556
Colorado	1,487	2,273	2,404	2,532	2,843	2,986	3,237	3,516	3,816
Utah	1,309	1,968	2,163	2,268	2,492	2,619	2,807	2,970	3,213
FAR WEST	1,801	2,621	2,800	3,028	3,386	3,575	3,877	4,129	4,313
Washington	1,674	2,349	2,595	2,731	3,245	3,441	3,700	3,936	3,993
Oregon	1,620	2,235	2,372	2,606	2,942	3,097	3,328	3,538	3,705
Nevada	2,018	2,856	3,195	3,185	3,393	3,528	3,866	4,267	4,562
California	1,852	2,708	2,873	3,117	3,455	3,647	3,963	4,221	4,426
Alaska ^a	2,384	2,835	2,709	3,006	3,397	3,690	3,917	4,261	4,592
Hawaii ^a	1,386	2,369	2,573	2,820	3,192	3,416	3,757	4,102	4,527

SOURCE: U.S. Department of Commerce, Bureau of Economic Analysis, *Survey of Current Business*, August 1971.

^aAlaska and Hawaii included in Far West total from 1960 to date.

TABLE 82.—PER-CAPITA PERSONAL INCOME BY STATE AND REGION, SELECTED YEARS, 1950-1970
(Index: 1960=100.0)

Region and state	1950	1960	1962	1964	1966	1967	1968	1969	1970
1	2	3	4	5	6	7	8	9	10
UNITED STATES	67.5	100.0	106.9	116.9	134.8	143.0	155.1	167.2	176.9
NEW ENGLAND	66.0	100.0	107.6	115.7	132.4	142.5	154.3	166.1	176.4
Maine	64.4	100.0	102.9	114.8	132.8	138.4	151.7	164.0	176.8
New Hampshire	61.7	100.0	106.9	113.1	131.5	140.0	151.4	160.2	167.4
Vermont	60.9	100.0	107.5	116.7	143.6	151.6	165.3	177.0	188.1
Massachusetts	65.5	100.0	107.6	115.3	130.8	140.8	153.1	165.6	177.5
Rhode Island	72.3	100.0	109.4	119.7	137.9	148.6	160.3	167.4	175.8
Connecticut	66.8	100.0	108.1	115.0	131.4	142.6	152.9	164.8	173.1
MIDEAST	68.4	100.0	106.6	116.0	134.4	139.9	151.4	163.2	174.0
New York	68.1	100.0	106.5	116.2	130.3	139.7	151.8	163.2	173.5
New Jersey	67.7	100.0	106.8	114.0	128.9	136.9	147.9	158.7	169.8
Pennsylvania	68.7	100.0	105.6	115.7	133.0	141.4	151.7	164.4	175.2
Delaware	77.3	100.0	103.8	113.1	124.7	128.8	139.2	150.8	156.8
Maryland	68.4	100.0	109.3	119.3	134.9	143.1	157.0	170.1	181.7
District of Columbia	73.5	100.0	106.5	117.0	130.1	138.6	150.4	162.4	178.3
GREAT LAKES	69.9	100.0	105.7	116.1	135.5	141.4	153.0	165.0	171.3
Michigan	73.2	100.0	104.8	119.3	139.9	145.3	159.6	171.9	174.7
Ohio	69.4	100.0	104.2	114.0	133.1	138.6	150.7	163.4	165.0
Indiana	69.1	100.0	107.6	118.4	138.9	143.9	155.4	168.8	172.8
Illinois	68.9	100.0	106.5	115.1	133.6	140.4	150.2	161.6	170.0
Wisconsin	67.9	100.0	106.5	115.3	133.8	140.0	150.5	160.7	169.9
PLAINS	69.1	100.0	108.2	116.4	139.1	146.1	157.3	169.8	179.1
Minnesota	66.7	100.0	106.0	114.6	135.9	144.5	156.3	170.2	180.9
Iowa	74.7	100.0	109.9	121.8	151.7	155.5	164.3	177.9	185.6
Missouri	67.7	100.0	107.3	117.4	134.4	143.9	155.8	164.1	175.1
North Dakota	73.7	100.0	125.6	115.8	141.3	148.7	155.5	175.5	174.7
South Dakota	69.7	100.0	112.0	105.6	138.0	141.7	158.2	168.2	177.6
Nebraska	70.6	100.0	106.1	111.4	138.2	143.6	150.4	170.9	177.8
Kansas	66.9	100.0	107.6	116.9	138.7	145.2	157.0	168.4	177.2
SOUTHEAST	63.4	100.0	109.0	122.2	140.7	155.1	169.6	184.9	198.3
Virginia	66.7	100.0	109.8	123.5	142.5	153.5	168.4	181.9	195.9
West Virginia	66.7	100.0	107.2	120.4	139.4	148.9	158.0	170.0	189.3
Kentucky	62.2	100.0	111.9	121.3	144.7	154.9	168.7	182.4	195.0
Tennessee	64.4	100.0	110.4	122.7	146.9	155.9	170.7	186.7	199.8
North Carolina	66.4	100.0	111.2	124.4	148.9	159.5	174.4	192.3	205.3
South Carolina	64.8	100.0	112.3	125.4	153.5	164.8	181.1	198.2	212.9
Georgia	63.0	100.0	108.8	123.8	147.3	159.3	174.2	192.3	203.2
Florida	65.8	100.0	104.0	115.3	132.0	143.6	158.0	173.9	187.0
Alabama	59.1	100.0	106.5	120.6	140.4	148.6	163.0	178.4	191.6
Mississippi	62.6	100.0	110.1	126.7	152.5	164.9	181.5	195.9	213.5
Louisiana	67.6	100.0	106.4	119.0	140.2	152.5	165.3	172.6	184.1
Arkansas	60.0	100.0	113.8	129.9	153.2	162.2	176.0	192.8	203.1
SOUTHWEST	67.4	100.0	105.7	115.4	134.5	144.1	156.5	168.7	180.9
Oklahoma	61.4	100.0	103.8	114.6	134.5	143.8	154.7	165.6	177.9
Texas	70.0	100.0	106.0	116.6	136.7	156.7	159.3	171.5	183.3
New Mexico	62.3	100.0	106.7	111.4	125.3	130.5	141.5	152.6	165.8
Arizona	65.5	100.0	106.4	111.8	125.6	135.3	148.3	163.1	176.7

TABLE 82.—PER-CAPITA PERSONAL INCOME BY STATE AND REGION, SELECTED YEARS, 1950-1970 (Continued)
(Index: 1960=100.0)

Region and state	1950	1960	1962	1964	1966	1967	1968	1969	1970
1	2	3	4	5	6	7	8	9	10
ROCKY MOUNTAIN	69.2	100.0	108.0	112.6	127.0	133.4	143.0	154.9	167.5
Montana	79.6	100.0	111.0	110.8	130.2	124.1	142.2	154.6	165.9
Idaho	70.0	100.0	110.3	116.2	132.3	141.0	146.9	163.0	175.1
Wyoming	73.8	100.0	105.2	107.3	121.8	127.7	135.7	146.8	157.3
Colorado	65.4	100.0	105.8	111.4	125.1	131.4	142.4	154.7	167.9
Utah	66.5	100.0	110.0	115.2	126.6	133.1	142.6	150.9	163.3
FAR WEST	68.7	100.0	106.8	115.5	129.2	136.4	147.9	157.5	164.6
Washington	71.3	100.0	110.5	116.3	138.1	146.5	157.5	167.6	170.0
Oregon	72.5	100.0	106.1	116.6	131.6	138.6	148.9	158.3	165.8
Nevada	70.7	100.0	111.9	111.5	118.8	123.5	135.4	149.4	159.7
California	68.4	100.0	106.1	115.1	127.6	134.7	146.3	155.9	163.4
Alaska ^a	84.1	100.0	95.6	106.0	119.8	130.2	138.2	150.3	162.0
Hawaii ^a	58.5	100.0	108.6	119.0	134.7	144.2	158.6	173.2	191.1

SOURCE: Computed from data in Table 81.

^aAlaska and Hawaii included in Far West from 1960 to date.

TABLE 83.—AVERAGE INDIVIDUAL INCOME PER INCOME TAX RETURN, SELECTED YEARS 1965-1969 BY GEOGRAPHIC REGION

Region	Average income per income tax return				Percent increase, 1969 over 1965	Index: U.S. average equals 100.0			
	1965	1966	1968	1969		1965	1966	1968	1969
1	2	3	4	5	6	7	8	9	10
U.S. AVERAGE ..	\$6,352	\$6,678	\$7,520	\$7,958	25.3	100.0	100.0	100.0	100.0
NORTH									
New England	6,402	6,789	7,716	8,246	28.8	100.8	101.7	102.6	103.6
Midwest	6,837	7,131	8,149	8,560	25.2	107.6	106.8	108.4	107.6
SOUTH									
Southeast	5,423	5,772	6,526	7,011	29.3	85.4	86.4	86.8	88.1
MIDDLE									
Great Lakes	6,778	7,116	7,929	8,407	24.0	106.7	106.6	105.4	105.6
Plains	5,718	6,069	6,742	7,183	25.6	90.0	90.9	89.7	90.3
WEST									
Southwest	5,702	5,974	6,831	7,232	26.8	89.8	89.5	90.8	90.9
Rocky Mountain ..	5,863	6,132	6,723	7,230	23.3	92.3	91.8	89.4	90.9
Far West	6,959	7,297	8,141	8,486	21.9	109.6	109.3	108.3	106.6

SOURCE: U.S. Department of the Treasury, Internal Revenue Service. *Statistics of Income*, 1965, 1966, 1968, and 1969 editions. Data computed in regional form by NEA Research Division.

*For state composition of regions see Table 20.

TABLE 84.— AVERAGE INDIVIDUAL INCOME PER INCOME TAX RETURN AND AVERAGE SALARIES OF CLASSROOM TEACHERS, 1969
By Geographic Region

Region ^a	Average income		Index: U.S. average = 100.0	
	Per income tax return	Classroom teachers (salaries) ^b	Per income tax return	Classroom teachers (salaries)
1	2	3	4	5
U.S. AVERAGE	\$7,958	\$8,180	100.0	100.0
NORTH				
New England	8,246	8,236	103.6	100.7
Mideast	8,560	9,004	107.6	110.1
SOUTH				
Southeast	7,011	6,990	88.1	85.5
MIDDLE				
Great Lakes	8,407	8,684	105.6	106.2
Plains	7,183	7,533	90.3	92.1
WEST				
Southwest	7,232	7,022	90.9	85.8
Rocky Mountain	7,230	7,243	90.9	88.5
Far West	8,486	9,539	106.6	116.6

SOURCE: U.S. Department of the Treasury, Internal Revenue Service. *Statistics of Income, 1969*, Publication 79 (9-71). Data prepared in regional form by NEA Research Division. Salaries for classroom teachers from NEA Research Division.

^aFor state composition of regions see Table 20.

^bCalendar-year basis.

TABLE 85.—AVERAGE INCOME PER INCOME TAX RETURN, 125 LARGEST STANDARD METROPOLITAN AREAS, 1969, BY REGION

Region and SMA	Average income per income tax return	Ratio to U.S. average	Ratio to regional average
1	2	3	4
UNITED STATES—TOTAL . . .	\$ 7,958	100.0	...
NORTH:			
NEW ENGLAND	8,246	103.6	100.0
Boston, Mass.	8,579	107.8	104.0
Bridgeport, Conn.	9,215	115.8	111.8
Hartford, Conn.	8,875	111.5	107.6
New Haven, Conn.	8,824	110.9	107.0
Providence, Pawtucket— Warwick, R.I.	6,997	87.9	84.9
Springfield—Chicopee— Holyoke, Mass.	8,366	105.1	101.5
Worcester, Mass.	7,646	96.1	92.7
MIDEAST	8,560	107.6	100.0
Albany—Schenectady, N.Y.	8,314	104.5	97.1
Allentown—Bethlehem, Pa.	8,195	103.0	95.7
Baltimore, Md.	8,087	101.6	94.5
Binghamton, N.Y.	7,948	99.9	92.9
Buffalo, N.Y.	8,158	102.5	95.3
Erie, Pa.	7,786	97.8	91.0
Harrisburg, Pa.	8,538	107.3	99.7
Jersey City, N.J.	7,872	98.9	92.0
Johnstown, Pa.	6,513	81.8	76.1
Lancaster, Pa.	7,531	94.6	88.0
New York City	9,441	118.6	110.3
Newark, N.J.	9,526	119.7	111.3
Paterson—Clifton— Passaic, N.J.	9,351	117.5	109.2
Philadelphia, Pa.	8,319	104.5	97.2
Pittsburgh, Pa.	8,127	102.1	94.9
Reading, Pa.	7,558	95.0	88.3
Rochester, N.Y.	9,220	115.9	107.7
Scranton, Pa.	6,507	81.8	76.0
Syracuse, N.Y.	7,428	93.3	86.8
Trenton, N.J.	8,979	112.8	104.9
Utica—Rome, N.Y.	7,759	97.5	90.6
Washington, D.C.	9,897	124.4	115.6
Wilkes-Barre—Hazelton, Pa.	6,703	84.2	78.3
Wilmington, Del.	9,015	113.3	105.3
York, Pa.	7,991	100.4	93.4
SOUTH:			
SOUTHEAST	7,011	88.1	100.0
Atlanta, Ga.	8,642	108.6	123.3
Augusta, Ga., S.C.	6,611	83.1	94.3

TABLE 85.— AVERAGE INCOME PER INCOME TAX RETURN, 125 LARGEST STANDARD METROPOLITAN AREAS, 1969, BY REGION (CONTINUED)

Region and SMA	Average income per income tax return	Ratio to U.S. average	Ratio to regional average
1	2	3	4
Baton Rouge, La.	\$ 8,403	105.6	119.9
Birmingham, Ala.	7,751	97.4	110.6
Charleston, S.C.	6,420	80.7	91.6
Charleston, W.Va.	7,769	97.6	110.8
Charlotte, N.C.	8,056	101.2	114.9
Chattanooga, Tenn.	7,432	93.4	106.0
Columbia, S.C.	7,240	91.0	103.3
Columbus, Ga.	7,576	95.2	108.1
Fort Lauderdale, Fla.	8,485	106.6	121.0
Greensboro—High Point, N.C.	8,084	101.6	115.3
Greenville, S.C.	6,288	99.0	89.7
Huntington—Ashland, W.Va.	8,298	104.3	118.4
Jackson, Miss.	7,338	92.2	104.7
Jacksonville, Fla.	7,549	94.9	107.7
Knoxville, Tenn.	7,838	98.5	111.8
Little Rock, North Little Rock, Ark.	7,643	96.0	109.0
Louisville, Ky.	8,417	105.8	120.1
Memphis, Tenn.	7,449	93.6	106.2
Miami, Fla.	7,701	96.8	109.8
Mobile, Ala.	7,121	89.5	101.6
Nashville, Tenn.	8,377	105.3	119.5
New Orleans, La.	7,934	99.7	113.2
Newport News—Hampton, Va.	8,017	100.7	114.3
Norfolk—Portsmouth, Va. .	7,549	94.9	107.7
Orlando, Fla.	7,021	88.2	100.1
Pensacola, Fla.	6,526	82.0	93.1
Richmond, Va.	8,029	100.9	114.5
Shreveport, La.	7,667	96.3	109.4
Tampa—St. Petersburg, Fla.	6,921	87.0	98.7
West Palm Beach, Fla.	8,479	106.5	120.9
MIDDLE:			
GREAT LAKES	8,407	105.6	100.0
Akron, Ohio	8,847	111.2	105.2
Canton, Ohio	7,628	95.9	90.7
Chicago, Ill.	9,284	116.7	110.4
Cincinnati, Ohio	8,298	104.3	98.7
Cleveland, Ohio	9,100	114.4	108.2
Columbus, Ohio	7,948	99.9	94.5
Dayton, Ohio	8,587	107.9	102.1
Detroit, Mich.	9,260	116.4	110.1
Evansville, Ind.	8,248	103.6	98.1

TABLE 85.—AVERAGE INCOME PER INCOME TAX RETURN, 125 LARGEST STANDARD METROPOLITAN AREAS, 1969, BY REGION (CONTINUED)

Region and SMA	Average income per income tax return	Ratio to U.S. average	Ratio to regional average
1	2	3	4
GREAT LAKES (Cont'd)			
Flint, Mich.	\$ 8,308	104.4	98.8
Fort Wayne, Ind.	7,708	96.9	91.7
Gary-Hammond-East Chicago, Ind.	8,493	106.7	101.0
Grand Rapids, Mich.	8,108	101.9	96.4
Indianapolis Ind.	8,130	102.2	96.7
Lansing, Mich.	9,393	118.0	111.7
Lorain-Elyria, Ohio	8,242	103.6	98.0
Madison, Wis.	8,120	102.0	96.6
Milwaukee, Wis.	8,372	105.2	99.6
Peoria, Ill.	8,115	102.0	96.5
Rockford, Ill.	8,358	105.0	99.4
South Bend, Ind.	8,041	101.0	95.6
Toledo, Ohio	8,560	107.6	101.8
Youngstown-Warren, Ohio	7,899	99.3	94.0
PLAINS	7,213	90.6	100.0
Davenport, Iowa	7,467	93.8	103.5
Des Moines, Iowa	8,704	109.4	120.7
Duluth, Minn.—Superior, Wis.	7,247	91.1	100.5
Kansas City, Mo. and Kansas	8,444	106.1	117.1
Minneapolis-St. Paul, Minn.	8,761	110.1	121.5
Omaha, Nebr.	7,671	96.4	106.4
St. Louis, Mo.	8,698	109.3	120.6
Wichita, Kansas	7,830	98.4	108.6
WEST:			
SOUTHWEST	7,232	90.9	100.0
Albuquerque, N.Mex.	6,736	84.6	93.1
Austin, Texas	7,627	95.8	105.5
Beaumont-Port Arthur, Texas	7,284	91.5	100.7
Corpus Christi, Texas	7,099	89.2	98.2
Dallas, Texas	9,086	114.2	125.6
El Paso, Texas	5,840	73.4	80.8
Fort Worth, Texas	7,936	99.7	109.7
Houston, Texas	8,523	107.1	117.9
Oklahoma City, Okla.	7,633	95.9	105.5
Phoenix, Ariz.	7,751	97.4	107.2
San Antonio, Texas	7,318	92.0	101.2

TABLE 85.—AVERAGE INCOME PER INCOME TAX RETURN, 125 LARGEST STANDARD METROPOLITAN AREAS, 1969, BY REGION (CONTINUED)

Region and SMA	Average income per income tax return	Ratio to U.S. average	Ratio to regional average
1	2	3	4
SOUTHWEST (Cont'd)			
Tucson, Ariz.	\$ 8,368	105.2	115.7
Tulsa, Okla.	8,581	107.8	118.7
ROCKY MOUNTAINS			
Denver, Colo.	7,230	90.9	100.0
Salt Lake City, Utah	8,513	107.0	117.7
	7,594	95.4	105.0
FAR WEST			
Anaheim—Santa Ana— Garden Grove, Calif.	8,486	106.6	100.0
Bakersfield, Calif.	9,782	122.9	115.3
Fresno, Calif.	8,036	101.0	94.7
Honolulu, Hawaii	6,665	83.8	78.5
Los Angeles—Long Beach, Calif.	8,470	106.4	99.8
Portland, Oregon	8,786	110.1	103.5
Sacramento, Calif.	8,264	103.8	97.4
San Bernardino—Riverside— Ontario, Calif.	8,398	105.5	99.0
San Diego, Calif.	7,434	93.4	87.6
San Francisco—Oakland, Calif.	8,206	103.1	96.7
San Jose, Calif.	9,052	113.7	106.7
Seattle—Everett, Wash.	10,140	127.4	119.5
Spokane, Wash.	9,104	114.4	107.3
Stockton, Calif.	7,862	98.8	92.6
Tacoma, Wash.	7,153	89.9	84.3
	8,173	102.7	96.3

SOURCE: U.S. Department of the Treasury, Internal Revenue Service. *Individual Income Tax Returns—1969*. Publication 79. Washington, D.C.: Government Printing Office, 1971.

Computed by NEA Research Division from IRS data.

V. WEEKLY AND HOURLY EARNINGS

TABLES 86 THROUGH 92 give information on hourly and weekly earnings which is significant in making comparative salary studies between the teaching profession and other workers.

In Table 86 the mean salaries paid to teachers for the years 1950 to 1971 have been converted to weekly rates and compared with the weekly rates of nonsupervisory employees in selected industries for the same period. Even though these are nonprofessional workers for the most part, several groups, notably workers in contract construction mining, have had consistently higher weekly rates than teachers.

Table 87 shows the average hourly rate and average weekly and annual earnings of all nonsupervisory workers on private nonagricultural payrolls for 1947 through 1970.

Table 88 shows a distribution of usual weekly earnings of full-time workers by sex, for May 1971.

Table 89 shows increases in average hourly earnings for various groups of production or nonsupervisory workers for recent years.

Table 90 shows the average gross hourly earnings of production or nonsupervisory workers on private nonagricultural payrolls between 1947 and 1971, and an index relationship to 1967.

Table 91 shows wage rate increases in major collective bargaining agreements, 1969 to 1971.

Table 92 shows the median annual percentage rates of increases in wage and benefit decisions from 1969 to 1971 in collective bargaining situations in industry. Table 92 shows the Hourly Earnings Index for 1970 and 1971.

TABLE 86.—AVERAGE GROSS WEEKLY EARNINGS, TEACHERS AND NONSUPERVISORY EMPLOYEES, SELECTED INDUSTRIES, 1950 TO 1971 (Calendar years)

Calendar year	Public-school teachers ^a	Total nonagricultural private industries	Manufacturing		Wholesale and retail trade	Contract construction	Mining
			Durable goods	Non-durable goods			
1	2	3	4	5	6	7	8
1950	\$ 54.29	\$ 53.13	\$ 62.43	\$ 53.48	\$44.55	\$ 69.68	\$ 67.16
1951	60.06	57.86	68.48	56.88	47.79	76.96	74.11
1952	64.56	60.65	72.63	59.95	49.20	82.86	77.59
1953	67.67	63.76	76.63	62.57	51.35	86.41	83.03
1954	72.04	64.52	76.19	53.18	53.33	88.91	82.60
1955	75.13	67.72	82.19	66.63	55.16	90.90	89.54
1956	79.15	70.74	85.28	70.09	57.48	96.38	95.06
1957	83.65	73.33	88.26	72.52	59.60	100.27	98.65
1958	89.35	75.08	89.27	74.11	61.76	103.78	96.08
1959	93.52	78.78	96.05	78.61	64.41	108.41	103.68
1960	97.85	80.67	97.44	80.36	66.01	113.04	105.41
1961	102.98	82.60	100.35	82.92	67.41	118.08	106.92
1962	107.44	85.91	104.70	85.93	69.91	122.47	110.43
1963	111.92	88.46	108.09	87.91	72.01	127.19	114.40
1964	116.58	91.33	112.19	90.91	74.28	132.06	117.74
1965	121.00	95.06	117.18	94.64	76.53	138.38	123.52
1966	126.92	98.82	122.09	98.49	79.02	146.26	130.24
1967	135.15	101.84	123.60	102.03	81.76	154.95	135.89
1968	146.13	107.73	132.07	109.05	86.40	164.93	142.71
1969	157.31	114.61	139.59	115.53	91.14	181.54	155.23
1970	170.12	119.46	143.47	120.43	95.66	196.35	163.97
1971 ^b	180.94	126.54	153.52	128.12	101.02	212.04	171.70
Percent increase, 1961 to 1971	75.7	53.2	53.0	54.5	37.1	79.6	60.6

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics. *Employment and Earnings*. Various issues.

^aComputed by NEA Research Division. Salaries for teachers are their annual earnings regardless of length of school year. Hourly rates, therefore, are based on a 52-week work year.

^bPartly preliminary.

TABLE 87.—AVERAGE WEEKLY AND ANNUAL EARNINGS OF PRODUCTION OR NON-SUPERVISORY WORKERS, ALL PRIVATE NONAGRICULTURAL PAYROLLS,^a
1947-1971

Year	Average weekly hours	Average hourly rate	Average weekly earnings	Estimated annual earnings ^b	
				Amount	1959=100.0
1	2	3	4	5	6
1947	40.3	\$1.131	\$ 45.58	\$2,370	57.8
1948	40.0	1.225	49.00	2,548	62.2
1949	39.4	1.275	50.24	2,612	63.8
1950	39.8	1.335	53.13	2,763	67.4
1951	39.9	1.45	57.86	3,009	73.4
1952	39.9	1.52	60.65	3,154	77.0
1953	39.6	1.61	63.76	3,316	80.9
1954	39.1	1.65	64.52	3,355	81.9
1955	39.6	1.71	67.72	3,521	85.9
1956	39.3	1.80	70.74	3,678	89.8
1957	38.8	1.89	73.33	3,813	93.1
1958	38.5	1.95	75.08	3,904	95.3
1959	39.1	2.02	78.78	4,097	100.0
1960	38.6	2.09	80.67	4,195	102.4
1961	38.6	2.14	82.60	4,295	104.8
1962	38.7	2.22	85.91	4,467	109.0
1963	38.8	2.28	88.46	4,600	112.3
1964	38.7	2.36	91.33	4,749	115.9
1965	38.8	2.45	95.06	4,943	120.6
1966	38.6	2.56	98.82	5,139	125.4
1967	38.0	2.68	101.84	5,296	129.3
1968	37.8	2.85	107.73	5,602	136.7
1969	37.7	3.04	114.61	5,960	145.5
1970	37.1	3.22	119.46	6,229	152.0
1971 ^c	37.0	3.42	126.54	6,580	160.6

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics. *Employment and Earnings*, Various issues.

^aData relate to production workers in mining and manufacturing; to construction workers in contract construction; and to nonsupervisory workers in wholesale and retail trade; finance, insurance, and real estate; transportation and public utilities and services.

^bComputed by NEA Research Division from weekly earnings shown in report.

^cPreliminary data.

TABLE 88.—DISTRIBUTION OF USUAL WEEKLY EARNINGS OF FULL-TIME WORKERS BY SEX, MAY 1971

Distribution of usual weekly earnings, May 1971	Total - men and women		Percent distribution		Men and women
	Total	Percent	Men	Women	
	(in thousands)	distribution			
1	2	3	4	5	6
Total	57,642	100.0	66.0	34.0	100.0
Under \$60	3,634	6.3	33.5	66.5	100.0
\$60-99	11,735	20.4	37.5	62.5	100.0
100-199	29,403	51.0	70.4	29.6	100.0
200 or more	12,870	22.3	91.2	8.8	100.0

SOURCE: *Monthly Labor Review*, March 1972, page 29.

TABLE 89.—INCREASES IN AVERAGE GROSS HOURLY EARNINGS OF PRIVATE NONAGRICULTURAL PRODUCTION OR NONSUPERVISORY WORKERS, 1960 TO 1970

Industry	Percent change year to year						
	1960 to	1965 to	1966 to	1967 to	1968 to	1969 to	1970 to
	1965	1966	1967	1968	1969	1970	1971*
1	2	3	4	5	6	7	8
Total private	3.2	4.5	4.7	6.3	6.7	5.9	6.2
Mining	2.3	4.5	4.6	5.0	7.5	6.4	5.2
Contract construction	3.7	5.1	5.7	7.3	8.4	9.6	8.6
Manufacturing	2.9	4.2	4.0	6.4	6.0	5.3	6.0
Durable goods	2.8	3.9	3.4	6.3	6.3	5.3	6.0
Nondurable goods	2.9	3.8	4.9	6.6	6.2	5.8	6.2
Wholesale and retail trade	3.5	4.9	5.2	7.1	6.7	5.9	NA
Wholesale trade	3.1	4.6	5.5	5.9	5.9	6.5	6.7
Retail trade	3.7	4.9	5.2	7.5	6.5	6.1	5.3
Finance, insurance and real estate	3.4	3.3	4.5	6.6	6.2	5.1	6.5
Services	5.7**	5.9	5.5	6.1	7.4	7.7	6.4
Transportation and public utilities	5.2**	2.6	4.2	5.6	6.4	5.8	9.1

SOURCE: U. S. Department of Labor, quoted in *Economic Report of the President, January 1972*. Washington, D. C.: Government Printing Office, 1972.

*Preliminary.

**Data not available for years 1960 through 1963; percentage change from 1964 to 1965.

NOTE: Data relate to production workers in mining and manufacturing to construction workers in contract construction and generally, to nonsupervisory workers in all other industries.

TABLE 90.—AVERAGE GROSS HOURLY EARNINGS
SELECTED YEARS 1947 TO 1971

(Production or nonsupervisory workers
on private nonagricultural payrolls)

Year	Average hourly earnings	Index: 1967=100.0
1	2	3
1947	\$1.13	42.6
1950	1.34	50.0
1952	1.52	56.4
1954	1.65	61.7
1956	1.80	67.0
1958	1.95	73.2
1960	2.09	78.4
1961	2.14	80.8
1962	2.22	83.5
1963	2.28	85.9
1964	2.36	88.6
1965	2.45	91.9
1966	2.56	95.6
1967	2.68	100.0
1968	2.85	106.6
1969	3.04	113.6
1970	3.22	121.2
1971 ^a	3.42	129.4
January 1972 ^a	3.53	131.7

SOURCES: Column 2 from *Economic Report of the President, 1971*. January 1972, and *Monthly Labor Review*, March 1972.

Column 3 from *Monthly Labor Review*, December 1971, and *Employment and Earnings*, February 1972; both by Bureau of Labor Statistics, U.S. Department of Labor. NOTE: The index shown in Column 3 is constructed by weighting the average hourly earnings in each industry by the man-hours existing in that industry in 1967. The full series by industry will appear in a BLS bulletin soon.

^aPreliminary data.

TABLE 91.—WAGE RATE INCREASES IN MAJOR COLLECTIVE BARGAINING AGREEMENTS, 1969-71

Item	Mean percentage increase		
	1969	1970	1971 first 3 quarters
1.	2	3	4
Negotiated annual wage rate increases averaged over life of contract:			
All industries	7.6	8.9	3.0
Manufacturing	6.0	6.0	7.1
Nonmanufacturing	9.3	11.5	9.0
Construction	13.1	14.9	11.7
Other	7.4	10.2	8.5
Negotiated first-year wage-rate increases:			
All industries	9.2	11.9	11.8
Manufacturing	7.9	8.1	10.7
Nonmanufacturing	10.8	15.2	13.0
Construction	13.1	17.6	13.5
Other	9.6	14.2	12.9
General wage increases in manufacturing: ^a			
Union establishments	7.4	7.7	9.6
Nonunion establishments	6.1	6.0	5.4

SOURCE: U.S. Department of Labor. Taken from *Economic Report of the President*, January 1972.

^aData relate only to establishments in which a decision was made to increase wages.

NOTE--Data relate to contracts covering 1,000 workers or more and exclude possible increases in wages from cost-of-living escalator clauses except where guaranteed.

TABLE 92.—HOURLY EARNINGS INDEX

Index (1967=100.0)	1970	1971
1	2	3
January	117.5	126.1
February	118.2	127.0
March	118.7	127.1
April	119.2	128.0
May	120.0	129.1
June	120.5	129.2
July	121.3	129.9
August	122.2	130.5
September	123.5	131.5
October	123.5	131.5
November	124.2	131.6 ^a
December	124.8	133.1 ^a

SOURCE: *Monthly Labor Review*, March 1972.

NOTE: The Index measures earnings of production or nonsupervisory workers in the private nonfarm sector of the economy. It is adjusted to exclude the effects of inter-industry employment shifts, overtime premium pay in manufacturing, and seasonal variations.

^aPreliminary.