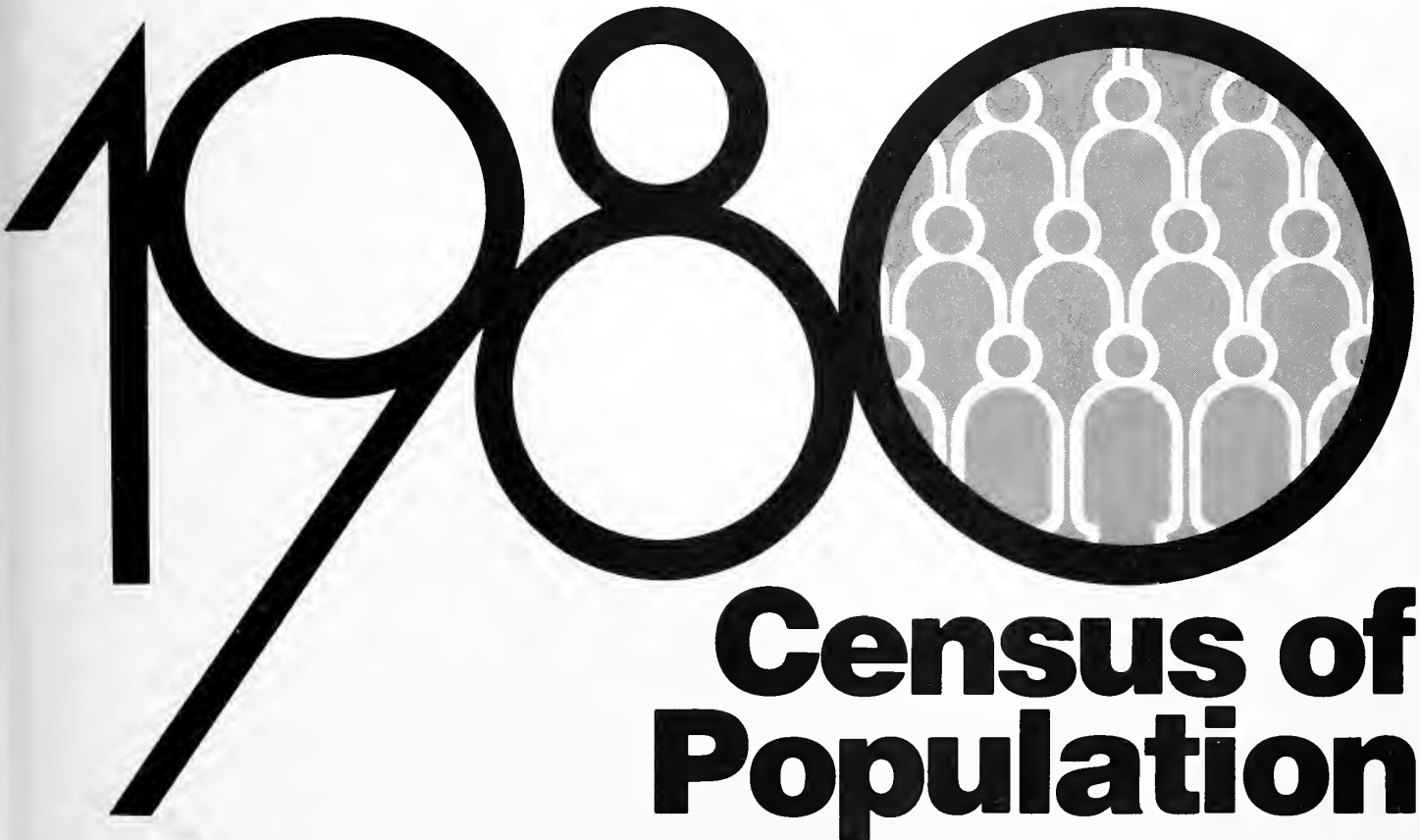


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Detailed Occupation of the Experienced Civilian Labor Force by Sex for the United States and Regions: 1980 and 1970

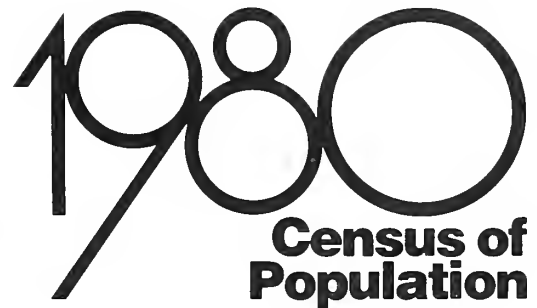


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Detailed Occupation of the Experienced Civilian Labor Force by Sex for the United States and Regions: 1980 and 1970

SUPPLEMENTARY REPORT

PC80-S1-15

Issued March 1984

CA 3600



U.S. Department of Commerce
Malcolm Baldrige, Secretary
Clarence J. Brown,
Deputy Secretary

BUREAU OF THE CENSUS
C. L. Kincannon, Deputy Director



BUREAU OF THE CENSUS

C. L. Kincannon, Deputy Director

POPULATION DIVISION

Roger A. Herriot, Chief

Acknowledgments

This report was prepared by persons in the Labor Force Statistics Branch of Population Division. **John A. Priebe**, Supervisory Statistician and **Thomas S. Scopp**, Chief, Labor Force Statistics Branch planned and coordinated the report, under the direction of **Gordon W. Green**, Assistant Chief (Socioeconomics Statistics Program). **Marie Pees** and **Leonard Marshall III** of the Computer Applications and Processing Staff were responsible for the computer programming of the detailed tables.

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Introduction

BACKGROUND AND CONTENTS

This report presents detailed occupation data at the National and regional levels from the 1970 and 1980 Censuses of Population. It compares the occupational distributions of the "experienced civilian labor force," by sex, at both points in time, and thereby provides a measure of some of the changes that occurred in these distributions over the decade.

The 1980 data are derived from the computer file called the "1980 Census/EEO Special File," originally produced to help meet the needs of both government and private sector employers in planning Equal Employment Opportunity/Affirmative Action programs. The 1970 data are derived from the 1970 decennial census "Sixth-Count" data file.

Data from the 1970 census required adjustment before tabulation in this report. The 1970 data were originally tabulated in terms of the occupation classification used for that census. The 1980 data, however, were tabulated according to a completely different classification system modeled after the Standard Occupational Classification (SOC). (See "Occupation" in "Definitions and Explanations" section for more details on the classification systems.) To make reasonably accurate comparisons between the years, the 1970 data had to be reclassified into the 1980 system.

The Census Bureau selected from the 1970 census records a sample of approximately 120,000 persons in the civilian labor force. Using the 1970 census microfilm, census personnel entered the original descriptions into the sample file. These descriptions were later coded to the 1980 census categories. This double-coded sample thereby provided adjustment factors, by sex, that could be applied to the U.S. summary data found on the 1970 Sixth-Count file.

The 1980 categories shown in this report also differ somewhat in detail from the categories shown on the EEO Special File. Some categories in both data sets (1970 and 1980) were collapsed to provide a common set of categories for this report.

This report provides U.S. summary data and data for the four regions. For 1980, the printed State reports, *Characteristics of the Population: Detailed Population Characteristics*, PC80-1-D, also provide tables that compare 1970 and 1980 occupational data at the State level. These reports provide data for the employed as well as for the experienced civilian labor force.

ACCURACY OF THE DATA

All the data shown in this report are based on the 1970 and 1980 census

samples. The data are estimates of the actual figures that would have resulted from a complete count. Estimates can be expected to vary from the complete-count results, because they are subject to two basic types of error—sampling and non-sampling. The sampling error in the data arises from the selection of persons and housing units to be included in the sample. The nonsampling error, which affects both sample and complete-count data, is the result of all other errors that may occur during the collection and processing phases of the census.

In this report sampling error is especially important for small numbers, including the 1970 categories showing zero. These zeros do not always mean that there were no cases in a given 1980 occupation in 1970, but rather that there were no such cases in the sample of 120,000 persons used to adjust the 1970 data.

A more detailed discussion of both sampling and nonsampling error, a description of the estimation procedure, and the method of calculating sampling errors are provided in most printed reports from the 1970 and 1980 censuses and in the technical documentation for the EEO Special File. (Contact Data User Services Division, Customer Services, Bureau of the Census, Washington, D.C., 20233, or call (301) 763-4100.)

Definitions and Explanations

REFERENCE WEEK

The data on labor force status relate to the calendar week before the one in which the respondents completed their questionnaires or were interviewed by enumerators. The reference week is not the same for all respondents because not all persons were enumerated during the same week. Since the Census Days were April 1, 1970, and April 1, 1980, the reference week for many respondents was the last week of March 1970 and 1980, respectively.

CIVILIAN LABOR FORCE

The civilian labor force consists of persons classified as employed and unemployed according to the following criteria:

Employed—Employed persons include all civilians 16 years and over who were either (a) "at work"—those who did any work at all during the reference week as paid employees or in their own business, profession, or farm, or who worked 15 hours or more as unpaid workers on a family farm or in a family business; or (b) "with a job but not at work"—those who did not work during the reference week but had jobs or businesses from which they were temporarily absent due to illness, bad weather, industrial dispute, vacation, or other personal reasons. Excluded from the employed are persons whose only activity consisted of work around the house or volunteer work for religious, charitable, and similar organizations.

Unemployed—Persons are classified as unemployed if they are civilians 16 years old and over and (a) were neither "at work" nor "with a job but not at work" during the reference week, (b) were looking for work during the last 4 weeks, and (c) were available to accept a job.

Also included as unemployed are persons who did not work at all during the reference week and were waiting to be called back to a job from which they had been laid off.

Experienced Unemployed—Unemployed persons who have worked at any time in the past are classified as the "experienced unemployed."

Experienced Civilian Labor Force—The "experienced civilian labor force" includes the employed and experienced unemployed.

OCCUPATION

In both 1970 and 1980, the data on occupation were obtained for the employed, the experienced unemployed, and persons 16 years old and over with work experience but not currently in the labor force. For the last two categories, the occupation is the most recent job that a person held during the previous 5 years in 1980 and the previous 10 years in 1970. For an employed person that information is about the job held during the reference week. Those who were employed at two or more jobs reported the job at which they worked the greatest number of hours during the reference week.

Classification System—The occupational statistics in this report utilize the detailed classification system developed for the 1980 Census of Population. This classification consists of 503 specific occupation categories arranged into 6 summary and 13 major occupation groups. It is based on the *1980 Standard Occupational Classification (SOC) Manual*, published by the U.S. Department of Commerce, Office of Federal Statistical Policy and Standards.

This report presents most of the 503 detailed occupation categories, plus a

category for unemployed with no recent civilian work experience, and industry and class of worker subcategories for a few selected occupations. The publications 1980 Census of Population, *Classified Index of Industries and Occupations*, PHC80-R4, U.S. Government Printing Office, Washington, D.C. 1982, and the SOC Manual provide information on the composition of the detailed categories.

Comparability of 1980 and 1970 Occupation Data—As stated earlier, the 1970 data presented in this report have been adjusted to be comparable with the 1980 data. The 1970 data as originally presented in census reports were not totally comparable to the 1980 data because of major differences between the classification systems used for coding occupations in 1970 and 1980. Prior to the 1980 census there was no government-wide standard on which to base the successive decennial census occupational classification systems. In 1977, however, the Office of Federal Statistical Policy and Standards developed the SOC system and revised it in 1980 for use by all Federal agencies. The 1980 census system is the first based on this SOC system.

One advantage of this new classification is greater consistency of occupational data among government sources. On the other hand, since many 1980 occupation groups as well as detailed categories are only partially comparable to the ones in 1970, the differences will complicate studies attempting to measure changes during the decade.

Some of the differences in the classification structures are as follows:

1. "Accountants" and "personnel and labor relations workers" were in the 1970 major group for "professional workers," but are now called "management related occupations" under the 1980 major group "executive, administrative and managerial."

2. Working proprietors in sales and other sales managers who perform some of the same duties as the workers they supervise are now classified as "sales supervisors" rather than "managers."
3. "Cashiers" and some "counter clerks, except food" were transferred from "clerical" to "sales occupations."
4. The farming occupations were expanded to include related off-farm activities, so some former "laborers" (e.g., gardeners) were transferred to this group.
5. Some 1970 "operatives" were moved to "precision production occupations," such as "butchers and meat cutters," "dressmakers," "drywall installers," and "precision assemblers."
6. Conversely, some 1970 "craft workers" moved to "machine operators" or to "transportation and material moving occupations." Examples are "job setters" (those who set up a machine for others), "printing press operators," "locomotive operating occupations," and "excavating and loading machine operators."

A more detailed description of the changes in the classification systems and the data will be presented in a technical paper equivalent to the technical paper

which compared the 1960 system to the 1970 system.¹

INDUSTRY AND CLASS OF WORKER

This report shows data on major industry and class of worker subcategories for selected occupation groups. The information on industry and class of worker refers to the same job as the respondent's occupation. The industry statistics are based on the 1980 census detailed classification system developed from the U.S. Standard Industrial Classification (SIC) system. Definitions of the class of worker categories shown in this report are as follows:

Salaried Employees--Persons who work for a private employer or for any Federal, State, or local governmental unit for wages, salary, commission, tips, pay-in-kind, or at piece rates; this category also includes persons who work as employees of their own incorporated business or trade.

¹ U.S. Bureau of the Census, *1970 Occupation and Industry Classification Systems in Terms of Their 1960 Occupation and Industry Elements*, Technical Paper 26, Washington, D.C., 1972.

Self-employed--Those who work for profit or fees in their unincorporated business, profession or trade, or who operate a farm, or who work without pay in a family business or farm.

SYMBOL AND ABBREVIATIONS USED IN TABLES

A dash "--" represents zero.

The following abbreviations have been used in the tables:

admin.	administration
bldg.	building
constr.	construction
engr.	engineering
exc.	except
insps.	inspectors
instr.	instrument
lab.	laboratory
mach.	machine
mechs.	mechanics
misc.	miscellaneous
n.e.c.	not elsewhere classified
prep.	preparation
props.	proprietors
pub.	public
refrig.	refrigeration
reps.	representatives
tech.	technical
tng.	training
trans.	transportation

Facsimile of 1970 questionnaire items 33--35.

33. Industry

a. For whom did he work? If now on active duty in the Armed Forces, print "AF" and skip to question 36.

(Name of company, business, organization, or other employer)

b. What kind of business or industry was this?
Describe activity at location where employed.

(For example: junior high school, retail supermarket, dairy farm, TV and radio service, auto assembly plant, road construction)

c. Is this mainly— (Fill one circle)

<input type="radio"/> Manufacturing	<input type="radio"/> Retail trade
<input type="radio"/> Wholesale trade	<input type="radio"/> Other (agriculture, construction, service, government, etc.)

34. Occupation

a. What kind of work was he doing?

(For example: TV repairman, sewing machine operator, spray painter, civil engineer, farm operator, farm hand, junior high English teacher)

b. What were his most important activities or duties?

(For example: Types, keeps account books, files, sells cars, operates printing press, cleans buildings, finishes concrete)

c. What was his job title?

35. Was this person— (Fill one circle)

Employee of private company, business, or individual, for wages, salary, or commissions... ☐

Federal government employee ☐

State government employee ☐

Local government employee (city, county, etc.)... ☐

Self-employed in own business, professional practice, or farm—

Own business not incorporated ☐

Own business incorporated ☐

Working without pay in family business or farm ☐

Definitions and Explanations

Facsimile of instructions to the respondent for 1970 questionnaire items 33–35.

33a. If he worked for a company, business, or government agency, print the name of the company, not the name of his supervisor. If he worked for a person or a small business that has no company name, print the name of the person he worked for.

b. Write two or more words to tell what the business, industry, or person named in 33a does. Write what it makes or what it sells or what service it gives. Some examples of acceptable answers are shown on the Census form and here.

Acceptable

Cattle ranch
Wholesale grocery store
Retail gas station
Metal furniture manufacturing

Unacceptable

Ranch
Grocery store
Oil company
Furniture company

If a company does more than one thing (like make household electrical appliances and electric generators) describe only the **major** activity at the place where he works. If, however, he works at a warehouse, repair shop, etc., that is part of and used only by a larger organization, give the major activity of the larger organization; for example, department store warehouse – report department store.

33c. Mark **Manufacturing** if the factory, plant, mill, etc. makes things, even if it also sells them.

Mark **Wholesale trade** if a business does not make things but buys them to sell to stores or other companies.

Mark **Retail trade** if the business mostly sells things (not services) to individuals.

Mark **Other** if the main purpose of the employer is **not** making or selling things. Some examples of "Other" are services, such as those given by hotels, dry cleaners, repair shops, schools, and banks. Farming and building houses, bridges, roads, are also examples of "Other" kinds of businesses.

34a. Write two or more words to tell the kind of work he does. If he is a trainee, apprentice, or helper, write that down too. See examples of acceptable answers on the Census form and here.

Acceptable

Sales clerk
Carpenter's helper
Practical nurse

Unacceptable

Clerk
Helper
Nurse

b. Write the most important things that he does on the job. Some examples are shown on the Census form.

c. Print his job title (what his employer calls his job). If he has no job title, print **None**.

35. If he was an employee of a **private** non-profit organization, mark the first circle.

Mark **Local government employee** for a teacher in a local public school.

Facsimile of 1980 questionnaire items 28–30.

28–30. Current or most recent job activity

Describe clearly this person's chief job activity or business last week.

If this person had more than one job, describe the one at which this person worked the most hours.

If this person had no job or business last week, give information for last job or business since 1975.

28. Industry

a. For whom did this person work? *If now on active duty in the Armed Forces, print "AF" and skip to question 31.*

(Name of company, business, organization, or other employer)

b. What kind of business or industry was this?
Describe the activity at location where employed.

(For example: Hospital, newspaper publishing, mail order house, auto engine manufacturing, breakfast cereal manufacturing)

c. Is this mainly — (Fill one circle)

Manufacturing <input checked="" type="radio"/>	Retail trade
Wholesale trade	Other — (agriculture, construction, service, government, etc.)

29. Occupation

a. What kind of work was this person doing?

(For example: Registered nurse, personnel manager, supervisor of order department, gasoline engine assembler, grinder operator)

b. What were this person's most important activities or duties?

(For example: Patient care, directing hiring policies, supervising order clerks, assembling engines, operating grinding mill)

30. Was this person — (Fill one circle)

Employee of private company, business, or individual, for wages, salary, or commissions ☒

Federal government employee ☐

State government employee ☐

Local government employee (city, county, etc.) ☐

Self-employed in own business, professional practice, or farm —

Own business not incorporated ☐

Own business incorporated ☐

Working without pay in family business or farm ☐

Facsimile of instructions to the respondent for 1980 questionnaire items 28–30.

28a. If the person worked for a company, business, or government agency, print the name of the company, not the name of the person's supervisor. If the person worked for an individual or a business that has no company name, print the name of the individual worked for. If the person worked in his or her own business, print "self-employed."

b. Print two or more words to tell what the business, industry, or individual employer named in 28a does. If there is more than one activity, describe only the major activity *at the place where the person works*. Enter what is made, what is sold, or what service is given.

Some examples of what is needed to make an answer acceptable are shown on the census form and here.

Unacceptable

Furniture company
Grocery store
Oil company
Ranch

Acceptable

Metal furniture manufacturing
Wholesale grocery store
Retail gas station
Cattle ranch

Facsimile of instructions to the respondent for 1980 questionnaire items 28–30.—Con.

c. Mark **Manufacturing** if the factory, plant, mill, etc., mostly makes things, even if it also sells them.

Mark **Wholesale trade** if the business mostly sells things to stores or other companies.

Mark **Retail trade** if the business mostly sells things (not services) to individuals.

Mark **Other** if the main activity of the employer is not making or selling things. Some examples of **Other** are farming, construction, and services such as those provided by hotels, dry cleaners, repair shops, schools, and banks.

29a. Print two or more words to describe the kind of work the person does. If the person is a trainee, apprentice, or helper, include that in the description.

Some examples of what is needed to make an answer acceptable are shown on the census form and here.

Unacceptable

Clerk

Helper

Mechanic

Nurse

Acceptable

Production clerk

Carpenter's helper

Auto engine mechanic

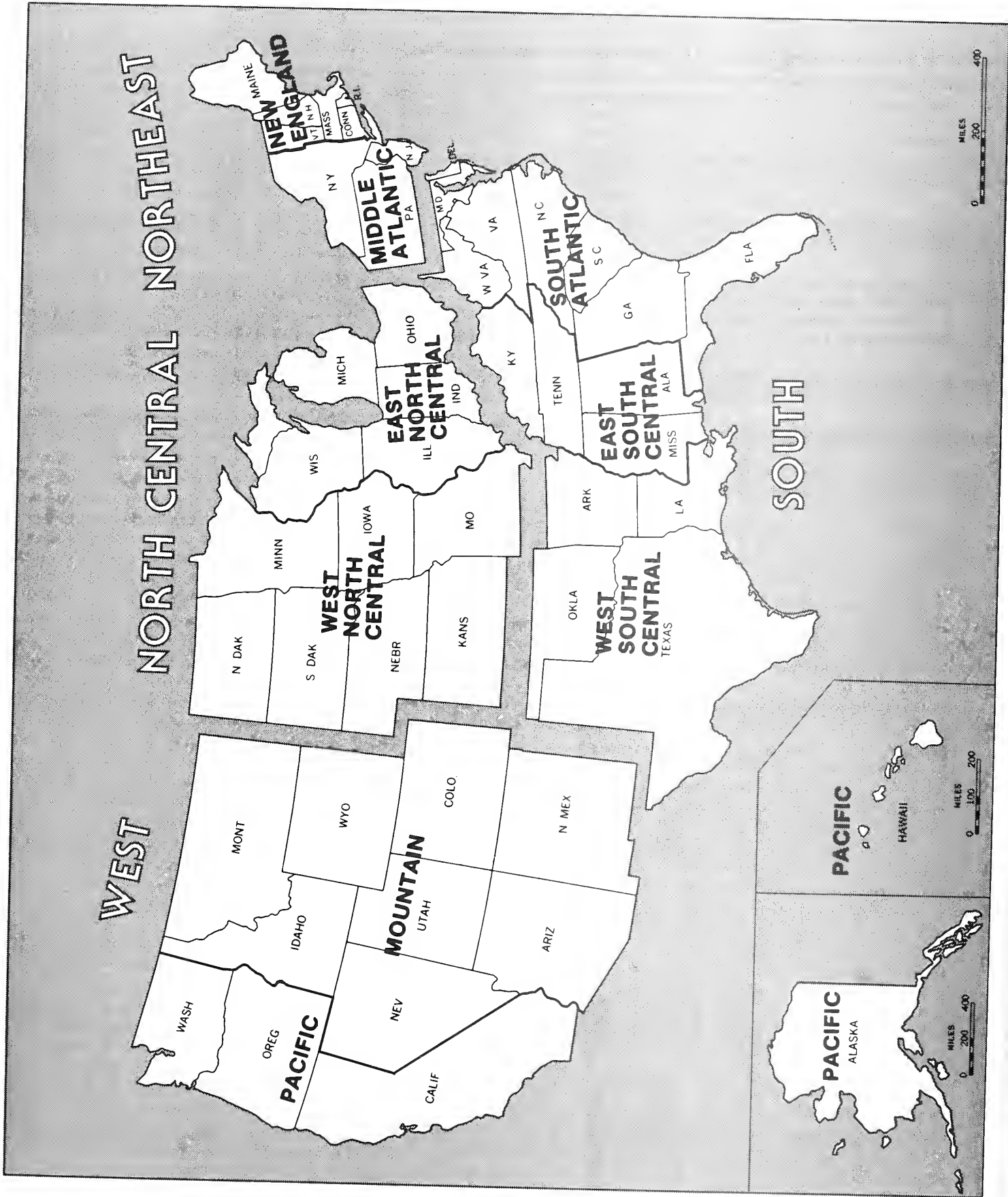
Registered nurse

b. Print the most important things that the person does on the job. Some examples are shown on the census form.

30. If the person was an employee of a *private* nonprofit organization, such as a church, fill the first circle.

Mark **Local government employee** for a teacher working in an elementary or secondary public school.

Regions and Census Divisions of the United States: 1980



Detailed Occupation of the Experienced Civilian Labor Force by Sex: 1980 and 1970

(DATA BASED ON SAMPLE; SEE TEXT, FOR DEFINITIONS OF TERMS AND MEANING OF SYMBOLS, SEE TEXT)

UNITED STATES
REGIONS

UNITED STATES

	1980				1970			
	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
EXPERIENCED CIVILIAN LABOR FORCE, 16 YEARS AND OVER	104 057 985	59 753 512	44 304 473	42.6	79 801 605	49 454 750	30 346 855	38.0
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS.	22 653 658	13 457 369	9 196 289	40.6	14 769 867	9 765 443	5 004 424	33.9
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS.	10 378 518	17 209 661	3 168 857	30.5	5 969 657	4 867 550	1 102 107	18.5
LEGISLATORS, CHIEF EXECUTIVES AND GENERAL ADMINISTRATORS, PUBLIC ADMINISTRATION.	46 446	34 570	11 876	25.6	9 971	9 971	0	.0
ADMINISTRATORS & OFFICIALS, PUBLIC ADMINISTRATION.	295 983	196 465	99 518	33.6	249 781	195 495	54 286	21.7
ADMINISTRATORS, PROTECTIVE SERVICES.	26 237	23 769	2 468	9.4	26 117	26 117	0	.0
FINANCIAL MANAGERS.	409 844	281 218	128 626	31.4	220 483	177 667	42 816	19.4
PERSONNEL AND LABOR RELATIONS MANAGERS.	219 945	140 747	79 198	36.0	65 168	51 349	13 819	21.2
PURCHASING MANAGERS.	71 199	56 088	15 111	21.2	43 825	40 119	3 706	8.5
MANAGERS, MARKETING, ADVERTISING, & PUB RELATIONS.	688 875	567 362	121 513	17.6	432 788	398 600	34 188	7.9
ADMINISTRATORS, EDUCATION AND RELATED FIELDS.	387 538	239 766	147 772	36.1	219 431	158 439	60 992	27.8
MANAGERS, MEDICINE AND HEALTH.	110 881	54 583	56 298	50.8	57 742	22 722	35 020	60.6
MANAGERS, PROPERTIES AND REAL ESTATE.	200 072	117 835	82 237	41.1	114 609	77 782	36 827	32.1
POSTMASTERS AND MAIL SUPERINTENDENTS.	31 363	17 731	13 632	43.5	36 842	25 109	11 733	31.6
FUNERAL DIRECTORS.	40 296	36 786	3 510	8.7	37 394	34 751	2 643	7.1
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED.	4 658 661	3 404 912	1 253 749	26.9	2 270 514	1 917 073	353 441	15.6
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED.	573 846	419 697	154 149	26.9	491 501	422 577	68 924	14.0
MANAGEMENT RELATED OCCUPATIONS.	2 617 332	1 618 132	999 200	38.2	1 693 491	1 309 779	383 712	22.7
ACCOUNTANTS AND AUDITORS.	1 012 857	626 558	386 299	38.1	646 490	487 423	159 067	24.6
UNDERWRITERS.	18 597	7 752	10 845	58.3	2 588	2 588	0	.0
OTHER FINANCIAL OFFICERS.	405 951	223 633	182 318	44.9	193 866	144 713	49 153	25.4
MANAGEMENT ANALYSTS.	118 581	88 652	29 929	25.2	32 394	29 053	3 341	10.3
PERSONNEL, TRNG., AND LABOR RELATIONS SPECIALISTS.	422 819	224 039	198 760	47.0	250 921	167 072	83 849	33.4
PURCHASING AGENTS AND BUYERS, FARM PRODUCTS.	19 480	17 933	1 547	7.9	21 745	21 211	534	2.5
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS.	167 831	93 192	74 639	44.5	172 007	124 204	47 803	27.8
PURCHASING AGENTS AND BUYERS, N.E.C.	191 748	130 769	50 979	31.8	149 494	126 662	22 832	15.3
BUSINESS AND PROMOTION AGENTS.	20 607	13 780	6 827	33.1	12 338	10 006	2 332	18.9
CONSTRUCTION INSPECTORS.	50 892	48 413	2 479	4.9	48 818	48 508	310	.6
INSPECTORS & COMPLIANCE OFFICERS, EXCEPT CONSTR.	156 844	128 935	27 909	17.8	139 661	129 833	9 828	7.1
MANAGEMENT RELATED OCCUPATIONS, N.E.C.	31 125	14 476	16 649	53.5	23 149	18 506	4 643	20.1
PROFESSIONAL SPECIALTY OCCUPATIONS.	12 275 140	6 247 708	6 027 432	49.1	8 800 210	4 897 693	3 902 517	44.3
ENGINEERS, ARCHITECTS, AND SURVEYORS.	1 540 300	1 465 220	75 080	4.9	1 316 138	1 292 591	23 547	1.8
ARCHITECTS.	107 693	98 743	8 950	8.3	53 670	51 534	2 136	4.0
ENGINEERS.	1 400 973	1 336 164	64 809	4.6	1 249 255	1 227 844	21 411	1.7
AEROSPACE.	88 491	85 622	2 869	3.2	70 034	68 780	1 254	1.8
METALLURGICAL AND MATERIALS.	24 539	23 260	1 279	5.2	28 487	28 273	214	.8
MINING.	10 041	9 700	341	3.4	4 774	4 717	57	1.2
PETROLEUM.	23 054	22 235	819	3.6	11 625	11 464	161	1.4
CHEMICAL.	57 502	54 487	3 015	5.2	54 244	53 517	727	1.3
NUCLEAR.	9 240	8 897	343	3.7	2 370	2 370	0	.0
CIVIL.	204 035	198 029	6 006	2.9	186 646	184 198	2 448	1.3
AGRICULTURAL.	4 505	4 115	390	8.7	0	0	0	.0
ELECTRICAL AND ELECTRONIC.	322 874	306 695	16 179	5.0	298 754	293 676	5 078	1.7
INDUSTRIAL.	194 322	174 968	19 354	10.0	196 566	191 438	5 128	2.6
MECHANICAL.	197 650	193 579	4 071	2.1	185 784	183 980	1 804	1.0
MARINE AND NAVAL ARCHITECTS.	16 682	16 367	315	1.9	11 504	11 504	0	.0
ENGINEERS, N.E.C.	248 038	238 210	9 828	4.0	198 467	193 927	4 540	2.3
SURVEYORS AND MAPPING SCIENTISTS.	31 634	30 313	1 321	4.2	13 213	13 213	0	.0
MATHEMATICAL AND COMPUTER SCIENTISTS.	330 447	244 129	86 318	26.1	210 241	175 155	35 086	16.7
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS.	202 651	157 140	45 511	22.5	107 580	92 922	14 658	13.6
OPERATIONS AND SYSTEMS RESEARCHERS AND ANALYSTS.	80 876	58 435	22 441	27.7	65 008	57 773	7 235	11.1
ACTUARIES.	10 319	7 682	2 637	25.6	5 224	4 000	1 224	23.4
STATISTICIANS.	30 200	15 684	14 516	48.1	24 269	14 165	10 104	41.6
MATHEMATICAL SCIENTISTS, N.E.C.	6 401	5 188	1 213	19.0	8 160	6 295	1 865	22.9
NATURAL SCIENTISTS.	314 195	251 535	62 660	19.9	227 930	197 041	30 889	13.6
PHYSICISTS AND ASTRONOMERS.	22 473	21 253	1 220	5.4	21 258	20 296	962	4.5
CHEMISTS, EXCEPT BIOCHEMISTS.	102 239	81 699	20 540	20.1	95 386	84 221	11 165	11.7
ATMOSPHERIC AND SPACE SCIENTISTS.	8 415	6 986	1 429	17.0	6 137	5 587	550	9.0
GEOLOGISTS AND GEODESISTS.	46 127	40 985	5 142	11.1	24 225	23 244	981	4.0
PHYSICAL SCIENTISTS, N.E.C.	8 641	6 874	1 767	20.4	1 316	1 124	192	14.6
AGRICULTURAL AND FOOD SCIENTISTS.	24 589	19 009	5 580	22.7	19 582	17 176	2 406	12.3
BIOLOGICAL AND LIFE SCIENTISTS.	46 079	30 840	15 239	33.1	27 897	17 356	10 541	37.6
FORESTRY AND CONSERVATION SCIENTISTS.	35 567	31 985	3 582	10.1	28 488	26 602	1 886	6.6
MEDICAL SCIENTISTS.	20 065	11 904	8 161	40.7	3 641	1 435	2 206	60.6
HEALTH DIAGNOSING OCCUPATIONS.	646 826	570 546	76 280	11.8	452 408	416 293	36 115	8.0
PHYSICIANS.	433 255	375 289	57 966	13.4	296 988	268 213	28 775	9.7
DENTISTS.	125 291	116 916	8 375	6.7	95 241	91 876	3 365	3.5
VETERINARIANS.	34 355	29 797	4 558	13.3	20 420	19 339	1 081	5.3
OPTOMETRISTS.	24 605	22 569	2 036	8.3	18 028	17 290	738	4.1
PODIATRISTS.	7 781	7 124	657	8.4	6 320	5 833	487	7.7
HEALTH DIAGNOSING PRACTITIONERS, N.E.C.	21 539	18 851	2 688	12.5	15 411	13 742	1 669	10.8

Detailed Occupation of the Experienced Civilian Labor Force by Sex: 1980 and 1970-Con.

(DATA BASED ON SAMPLE; SEE TEXT. FOR DEFINITIONS OF TERMS AND MEANING OF SYMBOLS, SEE TEXT)

UNITED STATES REGIONS	1980				1970			
	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
UNITED STATES								
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS--CON.								
PROFESSIONAL SPECIALTY OCCUPATIONS--CON.								
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	1 722 576	240 569	1 482 007	86.0	998 973	152 366	846 607	84.7
REGISTERED NURSES	1 285 299	52 755	1 232 544	95.9	762 298	20 785	741 513	97.3
PHARMACISTS	145 637	110 635	35 002	24.0	115 544	101 547	13 997	12.1
DIETITIANS	67 270	6 787	60 483	89.9	43 275	3 449	39 826	92.0
THERAPISTS	193 933	52 181	141 752	73.1	77 856	26 585	51 271	65.9
INHALATION THERAPISTS	48 738	21 179	27 559	56.5	9 077	6 481	2 596	28.6
OCCUPATIONAL THERAPISTS	17 756	1 499	16 257	91.6	10 381	2 592	7 789	75.0
PHYSICAL THERAPISTS	43 075	11 234	31 841	73.9	18 173	5 193	12 980	71.4
SPEECH THERAPISTS	41 296	4 485	36 811	89.1	17 520	1 295	16 225	92.6
THERAPISTS, N.E.C.	43 068	13 784	29 284	68.0	22 705	11 024	11 681	51.4
PHYSICIANS' ASSISTANTS	30 437	18 211	12 226	40.2	0	0	0	.0
TEACHERS, POSTSECONDARY	637 149	404 104	233 045	36.6	510 523	362 214	148 309	29.1
BIOLOGICAL SCIENCE TEACHERS	9 651	6 537	3 114	32.3	19 192	14 584	4 608	24.0
CHEMISTRY TEACHERS	8 382	6 671	1 711	20.4	16 554	14 541	2 013	12.2
PHYSICS TEACHERS	5 414	4 882	532	9.6	14 044	13 342	702	5.0
OTHER NATURAL SCIENCE TEACHERS	3 105	2 541	564	18.2	6 031	5 750	281	4.7
PSYCHOLOGY TEACHERS	5 820	3 494	2 326	40.0	12 314	7 325	4 989	40.5
ECONOMICS TEACHERS	5 032	4 024	1 008	20.0	10 357	9 566	791	7.6
HISTORY TEACHERS	5 600	4 267	1 333	23.8	17 172	14 132	3 040	17.7
OTHER SOCIAL SCIENCE TEACHERS	7 282	5 241	2 041	28.0	19 604	17 096	2 508	12.8
ENGINEERING TEACHERS	10 972	9 719	1 253	11.4	18 013	17 001	1 012	5.6
MATHEMATICAL AND COMPUTER SCIENCE TEACHERS	19 255	13 232	6 023	31.3	27 349	22 064	5 285	19.3
MEDICAL SCIENCE TEACHERS	9 014	6 891	2 123	23.6	8 709	8 709	0	.0
HEALTH SPECIALTIES TEACHERS	19 551	2 596	16 955	86.7	21 565	5 555	16 010	74.2
BUSINESS, COMMERCE, AND MARKETING TEACHERS	7 616	4 022	3 594	47.2	9 822	6 787	3 035	30.9
ART, DRAMA, AND MUSIC TEACHERS	28 385	14 718	13 667	48.1	42 000	25 310	16 690	39.7
ENGLISH TEACHERS	23 403	10 538	12 865	55.0	40 901	23 602	17 299	42.3
FOREIGN LANGUAGE TEACHERS	9 954	4 039	5 915	59.4	24 395	16 048	8 347	34.2
OTHER SPECIFIED TEACHERS	33 176	21 658	11 518	34.7	56 373	39 395	16 978	30.1
POSTSECONDARY TEACHERS, SUBJECT NOT SPECIFIED	425 537	279 034	146 503	34.4	146 128	101 407	44 721	30.6
TEACHERS, EXCEPT POSTSECONDARY	3 722 120	1 086 775	2 635 345	70.8	2 956 153	872 129	2 084 024	70.5
TEACHERS, PREKINDERGARTEN AND KINDERGARTEN	183 338	6 564	176 774	96.4	134 930	2 845	132 085	97.9
TEACHERS, ELEMENTARY SCHOOL	2 319 370	569 823	1 749 547	75.4	1 510 037	243 382	1 266 655	83.9
TEACHERS, SECONDARY SCHOOL	860 806	374 203	486 603	56.5	1 062 742	535 896	526 846	49.6
TEACHERS, SPECIAL EDUCATION	32 818	10 138	22 680	69.1	1 584	0	1 584	100.0
TEACHER, N.E.C.	325 788	126 047	199 741	61.3	246 860	90 006	156 854	63.5
COUNSELORS, EDUCATIONAL AND VOCATIONAL	198 256	90 587	107 669	54.3	115 670	65 895	49 775	43.0
LIBRARIANS, ARCHIVISTS, AND CURATORS	202 681	40 514	162 167	80.0	137 760	28 472	109 288	79.3
LIBRARIANS	187 379	32 779	154 600	82.5	130 369	23 327	107 042	82.1
ARCHIVISTS AND CURATORS	15 302	7 735	7 567	49.5	7 371	5 145	2 226	30.2
SOCIAL SCIENTISTS AND URBAN PLANNERS	217 858	136 114	81 744	37.5	109 282	84 681	24 601	22.5
ECONOMISTS	95 565	67 218	28 347	29.7	63 230	53 150	10 080	15.9
PSYCHOLOGISTS	92 929	49 102	43 827	47.2	29 575	18 108	11 467	38.8
SOCIOLOGISTS	2 550	1 489	1 061	41.6	1 410	901	509	36.1
SOCIAL SCIENTISTS, N.E.C.	13 477	8 177	5 300	39.3	5 478	4 145	1 333	24.3
URBAN PLANNERS	13 337	10 128	3 209	24.1	9 589	8 377	1 212	12.6
SOCIAL, RECREATION, AND RELIGIOUS WORKERS	830 172	461 205	368 967	44.4	547 374	349 699	198 275	36.2
SOCIAL WORKERS	459 984	161 258	298 726	64.9	239 357	87 909	151 448	63.3
RECREATION WORKERS	37 400	12 122	25 278	67.6	41 789	22 819	18 970	45.4
CLERGY	283 044	266 610	16 434	5.8	228 468	221 794	6 674	2.9
RELIGIOUS WORKERS, N.E.C.	49 744	21 215	28 529	57.4	37 760	16 577	21 183	56.1
LAWYERS AND JUDGES	529 679	455 642	74 037	14.0	288 478	274 253	14 225	4.9
LAWYERS	501 834	432 559	69 275	13.8	273 083	259 803	13 280	4.9
JUDGES	27 845	23 083	4 762	17.1	15 395	14 450	945	6.1
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	1 362 881	800 768	562 113	42.1	929 280	627 704	301 576	32.5
AUTHORS	45 748	25 409	20 339	44.5	27 752	19 578	8 174	29.5
TECHNICAL WRITERS	49 596	30 984	18 612	37.5	12 829	9 952	2 877	22.4
DESIGNERS	338 374	169 604	168 770	49.9	232 890	148 572	84 318	36.2
MUSICIANS AND COMPOSERS	140 556	99 065	41 491	29.5	99 533	64 767	34 766	34.9
ACTORS AND DIRECTORS	67 180	44 049	23 131	34.4	40 201	26 339	13 862	34.5
PAINTERS, SCULPTORS, CRAFT-ARTISTS, AND ARTIST PRINTMAKERS	153 162	79 445	73 717	48.1	86 849	52 827	34 022	39.2
PHOTOGRAPHERS	94 762	72 496	22 266	23.5	67 588	57 597	9 991	14.8
DANCERS	13 194	3 350	9 844	74.6	7 404	1 381	6 023	81.3
ARTISTS, PERFORMERS, AND RELATED WORKERS, N.E.C.	49 653	29 356	20 297	40.9	53 131	37 742	15 389	29.0
EDITORS AND REPORTERS	210 831	106 942	103 889	49.3	155 446	90 752	64 694	41.6
PUBLIC RELATIONS SPECIALISTS	120 037	61 442	58 595	48.8	80 302	58 906	21 396	26.6
ANNOUNCERS	46 986	38 392	8 594	18.3	25 942	24 291	1 651	6.4
ATHLETES	52 802	40 234	12 568	23.8	39 413	35 000	4 413	11.2

Detailed Occupation of the Experienced Civilian Labor Force by Sex: 1980 and 1970-Con.

(DATA BASED ON SAMPLE; SEE TEXT, FOR DEFINITIONS OF TERMS AND MEANING OF SYMBOLS, SEE TEXT)

UNITED STATES REGIONS	1980				1970			
	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
UNITED STATES								
TECH., SALES, & ADMIN. SUPPORT OCCUPATIONS.	30 883 578	11 001 736	19 881 842	64.4	23 048 135	9 450 231	13 597 904	59.0
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS.	3 062 612	1 721 531	1 341 081	43.8	1 820 718	1 193 938	626 780	34.4
HEALTH TECHNOLOGISTS AND TECHNICIANS.	989 347	462 175	527 172	53.6	543 163	295 710	247 453	45.4
CLINICAL LAB. TECHNOLOGISTS & TECHNICIANS.	243 982	62 175	181 807	74.5	125 748	34 873	90 875	72.3
DENTAL HYGIENISTS.	46 192	1 708	45 484	98.5	16 944	1 010	15 934	94.0
HEALTH RECORD TECHNOLOGISTS AND TECHNICIANS.	15 147	1 314	13 833	91.3	11 903	925	10 978	92.2
RADIOLOGIC TECHNICIANS.	96 311	27 356	68 955	71.6	55 103	17 673	37 430	67.9
LICENSED PRACTICAL NURSES.	435 176	14 764	420 412	96.6	266 532	10 416	256 116	96.1
HEALTH TECHNOLOGISTS AND TECHNICIANS, N.E.C.. . . .	152 539	55 858	96 681	63.4	66 933	30 813	36 120	54.0
ENGR. AND RELATED TECHNOLOGISTS AND TECHNICIANS.	947 015	788 943	158 072	16.7	759 625	692 064	67 561	8.9
ELECTRICAL AND ELECTRONIC TECHNICIANS.	266 184	235 581	30 603	11.5	158 231	148 644	9 587	6.1
INDUSTRIAL ENGINEERING TECHNICIANS.	10 644	8 404	2 240	21.0	14 454	10 838	3 616	25.0
MECHANICAL ENGINEERING TECHNICIANS.	15 592	14 538	1 054	6.4	13 922	13 374	548	3.9
ENGINEERING TECHNICIANS, N.E.C.. . . .	272 034	207 139	64 895	23.9	217 500	190 627	26 873	12.4
DRAFTING OCCUPATIONS.	329 467	274 659	54 808	16.6	308 006	283 078	24 928	8.1
SURVEYING AND MAPPING TECHNICIANS.	53 094	48 572	4 522	8.5	47 512	45 503	2 009	4.2
SCIENCE TECHNICIANS.	192 860	132 393	60 467	31.4	135 879	105 479	30 400	22.4
BIOLOGICAL TECHNICIANS.	46 404	26 901	19 503	42.0	34 509	23 160	11 349	32.9
CHEMICAL TECHNICIANS.	73 423	56 768	16 655	22.7	66 644	56 716	9 928	14.9
SCIENCE TECHNICIANS, N.E.C.. . . .	73 033	48 724	24 309	33.3	34 726	25 603	9 123	26.3
TECHNICIANS; EXC. HEALTH, ENGINEERING, & SCIENCE.	933 390	638 020	295 370	31.6	382 051	300 685	81 366	21.3
AIRPLANE PILOTS AND NAVIGATORS.	76 188	75 149	1 039	1.4	59 471	58 521	950	1.6
AIR TRAFFIC CONTROLLERS.	41 043	34 879	6 164	15.0	26 813	25 319	1 494	5.6
BROADCAST EQUIPMENT OPERATORS.	72 722	40 707	32 015	44.0	36 154	28 179	7 975	22.1
COMPUTER PROGRAMMERS.	317 673	218 716	98 957	31.2	163 345	123 864	39 481	24.2
TOOL PROGRAMMERS, NUMERICAL CONTROL.	8 575	6 313	2 262	26.4	3 310	2 745	565	17.1
LEGAL ASSISTANTS.	79 187	24 566	54 621	69.0	17 887	6 990	10 897	60.9
TECHNICIANS, N.E.C.. . . .	338 002	237 690	100 312	29.7	75 071	55 067	20 004	26.6
SALES OCCUPATIONS.	10 257 309	5 261 974	4 995 335	48.7	8 020 841	4 710 802	3 310 039	41.3
SUPERVISORS & PROPR., SALES OCCUPATIONS, SALARIED.	1 131 181	812 207	318 974	28.2	727 180	627 849	99 331	13.7
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS.								
SELF-EMPLOYED.	451 356	324 838	126 518	28.0	532 137	416 820	115 317	21.7
SALES REPRESENTATIVES, FINANCE & BUSINESS SERVICES.	1 846 382	1 192 820	653 562	35.4	1 111 573	918 150	193 423	17.4
INSURANCE SALES OCCUPATIONS.	567 864	423 736	144 128	25.4	475 866	414 482	61 384	12.9
REAL ESTATE SALES OCCUPATIONS.	658 375	360 675	297 700	45.2	304 290	209 286	95 004	31.2
SECURITIES AND FINANCIAL SERVICES SALES.								
OCCUPATIONS.	132 388	107 750	24 638	18.6	107 092	97 188	9 904	9.2
ADVERTISING AND RELATED SALES OCCUPATIONS.	114 209	66 677	47 532	41.6	68 366	54 360	14 006	20.5
SALES OCCUPATIONS, OTHER BUSINESS SERVICES.	373 546	233 982	139 564	37.4	155 959	142 834	13 125	8.4
SALES REPRESENTATIVES, COMMODITIES EXCEPT RETAIL.	1 301 246	1 112 852	188 394	14.5	1 093 256	1 020 742	72 514	6.6
SALES ENGINEERS.	44 069	42 646	1 423	3.2	57 339	56 912	427	.7
SALES REPRESENTATIVES, MINING, MANUFACTURING, AND WHOLESALE.	1 257 177	1 070 206	186 971	14.9	1 035 917	963 830	72 087	7.0
SALES WORKERS, RETAIL AND PERSONAL SERVICES.	5 499 267	1 806 647	3 692 620	67.1	4 533 806	1 719 452	2 814 354	62.1
SALES WORKERS, MOTOR VEHICLES AND BOATS.	283 108	260 889	22 219	7.8	243 810	238 150	5 660	2.3
SALES WORKERS, APPAREL.	442 772	80 796	361 976	81.8	560 885	110 930	449 955	80.2
SALES WORKERS, SHOES.	115 942	50 331	65 611	56.6	131 414	72 960	58 454	44.5
SALES WORKERS, FURNITURE AND HOME FURNISHINGS.	150 042	86 818	63 224	42.1	148 726	87 482	61 244	41.2
SALES WORKERS; RADIO, TV, HI-FI, AND APPLIANCES.	115 326	82 233	33 093	28.7	115 577	87 204	28 373	24.5
SALES WORKERS, HARDWARE AND BUILDING SUPPLIES.	194 264	145 769	48 495	25.0	226 778	191 869	34 909	15.4
SALES WORKERS, PARTS.	198 174	181 487	16 687	8.4	183 490	175 421	8 069	4.4
SALES WORKERS, OTHER COMMODITIES.	1 698 385	463 456	1 234 929	72.7	1 553 557	460 430	1 093 127	70.4
SALES COUNTER CLERKS.	95 905	25 398	70 507	73.5	122 887	36 501	86 386	70.3
CASHIERS.	1 875 840	310 338	1 565 502	83.5	961 807	152 437	809 370	84.2
STREET AND DOOR-TO-DOOR SALES WORKERS.	222 709	47 848	174 861	78.5	211 261	45 046	166 215	78.7
NEWS VENDORS.	106 800	71 284	35 516	33.3	73 614	61 022	12 592	17.1
SALES RELATED OCCUPATIONS.	27 877	12 610	15 267	54.8	22 889	7 789	15 100	66.0
DEMONSTRATORS, PROMOTERS AND MODELS, SALES.	12 730	2 665	10 065	79.1	12 317	2 974	9 343	75.9
AUCTIONEERS.	6 942	5 932	1 010	14.5	5 135	4 815	320	6.2
SALES SUPPORT OCCUPATIONS, N.E.C.. . . .	8 205	4 013	4 192	51.1	5 437	0	5 437	100.0
ADMINISTRATIVE SUPPORT OCCUPATIONS.								
INCLUDING CLERICAL.	17 563 657	4 018 231	13 545 426	77.1	13 206 576	3 545 491	9 661 085	73.2
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS.	1 078 173	569 626	508 547	47.2	408 753	180 631	228 122	55.2
SUPERVISORS, GENERAL OFFICE.	645 329	282 671	362 658	56.2	259 673	95 244	164 429	63.3
SUPERVISORS, COMPUTER EQUIPMENT OPERATORS.	42 627	30 028	12 599	29.6	13 346	10 663	2 683	20.1
SUPERVISORS, FINANCIAL RECORDS PROCESSING.	159 902	81 455	78 447	49.1	40 937	22 929	18 008	44.0
CHIEF COMMUNICATIONS OPERATORS.	67 205	44 101	23 104	34.4	45 557	8 299	37 258	81.8
SUPERVISORS; DISTRIBUTION, SCHEDULING, AND ADJUSTING CLERKS.	163 110	131 371	31 739	19.5	49 240	43 496	5 744	11.7
COMPUTER EQUIPMENT OPERATORS.	420 581	171 529	249 052	59.2	169 239	99 089	70 150	41.5
COMPUTER OPERATORS.	395 547	161 936	233 611	59.1	122 478	80 904	41 574	33.9
PERIPHERAL EQUIPMENT OPERATORS.	25 034	9 593	15 441	61.7	46 761	18 185	28 576	61.1

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UNITED STATES REGIONS	1980				1970			
	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
UNITED STATES								
TECH., SALES, & ADMIN. SUPPORT OCCUPATIONS--CON.								
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL--CON.								
SECRETARIES, STENOGRAPHERS AND TYPISTS	4 826 900	80 845	4 746 055	98.3	4 017 178	124 445	3 892 733	96.9
SECRETARIES	3 999 222	49 249	3 949 973	98.8	2 867 703	62 763	2 804 940	97.8
STENOGRAPHERS	87 629	7 996	79 633	90.9	138 338	8 664	129 674	93.7
TYPISTS	740 049	23 600	716 449	96.8	1 011 137	53 018	958 119	94.8
INFORMATION CLERKS	954 328	139 851	814 477	85.3	629 378	122 140	507 238	80.6
INTERVIEWERS	148 898	33 654	115 244	77.4	124 681	23 198	101 483	81.4
HOTEL CLERKS	66 382	21 113	45 269	68.2	47 544	23 095	24 449	51.4
TRANSPORTATION TICKET AND RESERVATION AGENTS	102 949	43 617	59 332	57.6	82 187	45 859	36 328	44.2
RECEPTIONISTS	548 160	22 870	525 290	95.8	323 584	15 348	308 236	95.3
INFORMATION CLERKS, N.E.C.	87 939	18 597	69 342	78.9	51 382	14 640	36 742	71.5
RECORDS PROCESSING OCCUPATIONS, EXCEPT FINANCIAL	1 017 645	231 056	786 589	77.3	713 187	153 195	559 992	78.5
CLASSIFIED-AD CLERKS	14 351	3 125	11 226	78.2	8 956	2 234	6 722	75.1
CORRESPONDENCE CLERKS	19 744	3 701	16 043	81.3	12 691	4 305	8 386	66.1
ORDER CLERKS	325 915	106 311	219 604	67.4	107 175	24 207	82 968	77.4
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	77 639	9 794	67 845	87.4	8 616	863	7 753	90.0
LIBRARY CLERKS	146 761	27 535	119 226	81.2	132 478	28 234	104 244	78.7
FILE CLERKS	301 282	60 379	240 903	80.0	377 108	69 974	307 134	81.4
RECORDS CLERKS	131 953	20 211	111 742	84.7	66 163	23 378	42 785	64.7
FINANCIAL RECORDS PROCESSING OCCUPATIONS	2 339 398	272 307	2 067 091	88.4	2 137 889	422 929	1 714 960	80.2
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	1 895 473	194 630	1 700 843	89.7	1 704 744	326 313	1 378 431	80.9
PAYROLL AND TIMEKEEPING CLERKS	165 849	28 067	137 782	83.1	157 025	46 815	110 210	70.2
BILLING CLERKS	135 067	14 882	120 185	89.0	124 582	21 389	103 193	82.8
COST AND RATE CLERKS	88 998	27 725	61 273	68.8	43 197	17 707	25 490	59.0
BILLING, POSTING, & CALCULATING MACH. OPERATORS	54 011	7 003	47 008	87.0	108 341	10 705	97 636	90.1
DUPPLICATING, MAIL & OTHER OFFICE MACHINE OPERATORS	62 214	21 424	40 790	65.6	63 439	22 434	41 005	64.6
DUPPLICATING MACHINE OPERATORS	19 780	7 758	12 022	60.8	23 621	9 643	13 978	59.2
MAIL PREPARING & PAPER HANDLING MACH. OPERATORS	7 499	2 809	4 690	62.5	14 666	3 196	11 470	78.2
OFFICE MACHINE OPERATORS, N.E.C.	34 935	10 857	24 078	68.9	25 152	9 595	15 557	61.9
COMMUNICATIONS EQUIPMENT OPERATORS	323 915	134 115	289 800	89.5	421 822	33 719	388 103	92.0
TELEPHONE OPERATORS	306 360	27 553	278 807	91.0	408 560	24 371	384 189	94.0
TELEGRAPHERS	7 989	5 083	2 906	36.4	13 262	9 348	3 914	29.5
COMMUNICATIONS EQUIPMENT OPERATORS, N.E.C.	9 566	1 479	8 087	84.5	0	0	0	0
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	802 342	562 281	240 061	29.9	781 455	588 233	193 222	24.7
POSTAL CLERKS, EXC. MAIL CARRIERS	273 152	175 047	98 105	35.9	314 512	215 149	99 363	31.6
MAIL CARRIERS, POSTAL SERVICE	260 574	226 463	34 111	13.1	269 060	247 459	21 601	8.0
MAIL CLERKS, EXC. POSTAL SERVICE	179 200	94 076	85 124	47.5	134 826	75 072	59 754	44.3
MESSENGERS	89 416	66 695	22 721	25.4	63 057	50 553	12 504	19.8
MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING CLERKS	1 761 685	1 154 459	607 226	34.5	1 434 396	1 129 116	305 280	21.3
DISPATCHERS	98 992	67 779	31 213	31.5	75 872	64 813	11 059	14.6
PRODUCTION COORDINATORS	265 337	147 496	117 841	44.4	160 196	127 834	32 362	20.2
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	513 400	392 387	121 013	23.6	446 191	368 588	77 603	17.4
STOCK AND INVENTORY CLERKS	609 882	398 002	211 880	34.7	499 523	377 973	121 550	24.3
METER READERS	42 634	38 175	4 459	10.5	35 375	34 462	913	2.6
WEIGHERS, MEASURERS, AND CHECKERS	78 057	48 581	29 476	37.8	98 043	69 627	28 416	29.0
SAMPLERS	2 668	1 472	1 196	44.8	8 061	6 416	1 645	20.4
EXPEDITORS	110 341	50 597	59 744	54.1	80 386	51 931	28 455	35.4
MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING CLERKS, N.E.C.	40 374	9 970	30 404	75.3	30 749	9 472	21 277	69.2
ADJUSTERS AND INVESTIGATORS	531 497	199 792	331 705	62.4	353 851	214 829	139 022	39.3
INSURANCE ADJUSTERS, EXAMINERS, & INVESTIGATORS	167 058	66 505	100 553	60.2	101 520	71 450	30 070	29.6
INVESTIGATORS AND ADJUSTERS, EXCEPT INSURANCE	251 197	94 059	157 138	62.6	188 562	106 410	82 152	43.6
ELIGIBILITY CLERKS, SOCIAL WELFARE	24 718	4 511	20 207	81.8	1 322	294	1 028	77.8
BILL AND ACCOUNT COLLECTORS	88 524	34 717	53 807	60.8	62 447	36 675	25 772	41.3
MISCELLANEOUS ADMINISTRATIVE SUPPORT OCCUPATIONS	3 444 979	580 946	2 864 033	83.1	2 075 989	454 731	1 621 258	78.1
GENERAL OFFICE CLERKS	1 736 613	311 530	1 425 083	82.1	829 949	204 990	624 959	75.3
BANK TELLERS	509 449	45 310	464 139	91.1	284 413	37 373	247 040	86.9
PROOFREADERS	28 945	6 143	22 802	78.8	31 036	7 749	23 287	75.0
DATA-ENTRY KEYERS	394 815	29 973	364 842	92.4	306 056	19 193	286 863	93.7
STATISTICAL CLERKS	143 552	36 003	107 549	74.9	182 921	64 229	118 692	64.9
TEACHERS' AIDES	215 709	16 163	199 546	92.5	142 674	14 830	127 844	89.6
ADMINISTRATIVE SUPPORT OCCUPATIONS, N.E.C.	415 896	135 824	280 072	67.3	298 940	106 367	192 573	64.4
SERVICE OCCUPATIONS	13 606 074	5 585 380	8 020 694	58.9	10 185 624	4 101 688	6 083 936	59.7
PRIVATE HOUSEHOLD OCCUPATIONS	626 945	29 494	597 451	95.3	1 210 809	44 863	1 165 946	96.3
LAUNDERERS AND IRONERS	2 301	548	1 753	76.2	13 697	634	13 063	95.4
COOKS, PRIVATE HOUSEHOLD	11 821	1 590	10 231	86.5	36 548	2 084	34 464	94.3
HOUSEKEEPERS AND BUTLERS	69 020	2 489	66 531	96.4	62 772	2 150	60 622	96.6
CHILD CARE WORKERS, PRIVATE HOUSEHOLD	159 915	4 130	155 785	97.4	239 365	4 865	234 500	98.0
PRIVATE HOUSEHOLD CLEANERS AND SERVANTS	383 888	20 737	363 151	94.6	858 427	35 130	823 297	95.9

Detailed Occupation of the Experienced Civilian Labor Force by Sex: 1980 and 1970—Con.

(DATA BASED ON SAMPLE; SEE TEXT, FOR DEFINITIONS OF TERMS AND MEANING OF SYMBOLS, SEE TEXT)

UNITED STATES REGIONS	1980				1970			
	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
UNITED STATES								
SERVICE OCCUPATIONS--CON.								
PROTECTIVE SERVICE OCCUPATIONS	1 541 901	1 359 969	181 932	11.8	1 057 673	968 101	69 572	6.6
SUPERVISORS, PROTECTIVE SERVICE OCCUPATIONS	96 181	92 010	4 171	4.3	88 561	86 540	2 021	2.3
SUPERVISORS, FIREFIGHTING AND FIRE PREVENTION OCCUPATIONS	20 859	20 750	109	.5	28 090	28 090	0	.0
SUPERVISORS, POLICE AND DETECTIVES	51 306	49 561	1 745	3.4	48 941	47 804	1 137	2.3
SUPERVISORS, GUARDS	24 016	21 699	2 317	9.6	11 530	10 646	884	7.7
FIREFIGHTING AND FIRE PREVENTION OCCUPATIONS	215 726	211 483	4 243	2.0	165 731	163 495	2 236	1.3
FIRE INSPECTION AND FIRE PREVENTION OCCUPATIONS	22 634	20 489	2 145	9.5	12 992	12 992	0	.0
FIREFIGHTING OCCUPATIONS	193 092	190 994	2 098	1.1	152 739	150 503	2 236	1.5
POLICE AND DETECTIVES	567 679	522 165	45 514	8.0	427 607	405 729	21 878	5.1
POLICE AND DETECTIVES, PUBLIC SERVICE	415 769	390 921	24 848	6.0	335 591	323 066	12 525	3.7
SHERIFFS, BAILIFFS, AND OTHER LAW ENFORCEMENT OFFICERS	62 615	54 714	7 901	12.6	44 300	41 726	2 574	5.8
CORRECTIONAL INSTITUTION OFFICERS	89 295	76 530	12 765	14.3	47 716	40 937	6 779	14.2
GUARDS	662 315	534 311	128 004	19.3	375 774	332 337	43 437	11.6
CROSSING GUARDS	46 582	12 805	33 777	72.5	41 041	14 278	26 763	65.2
GUARDS AND POLICE, EXC. PUBLIC SERVICE	576 994	499 152	77 842	13.5	316 037	303 510	12 527	4.0
PROTECTIVE SERVICE OCCUPATIONS, N.E.C.	38 739	22 354	16 385	42.3	18 696	14 549	4 147	22.2
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD								
FOOD PREPARATION AND SERVICE OCCUPATIONS	1 437 228	1 195 917	241 311	63.3	7 917 142	3 068 724	4 848 418	61.2
SUPERVISORS, FOOD PREP. & SERVICE OCCUPATIONS	4 830 104	1 644 891	3 185 213	65.9	3 314 285	1 042 463	2 271 822	68.5
BARTENDERS	247 781	105 501	142 280	57.4	161 851	82 818	79 033	48.8
WAITERS AND WAITRESSES	318 425	177 283	141 142	44.3	215 788	170 126	45 662	21.2
COOKS, EXCEPT SHORT ORDER	1 506 093	180 165	1 325 928	88.0	1 176 850	108 716	1 068 134	90.8
SHORT-ORDER COOKS	1 350 198	578 320	771 878	57.2	689 392	226 359	463 033	67.2
FOOD COUNTER, FOUNTAIN AND RELATED OCCUPATIONS	80 742	49 916	30 826	38.2	114 960	69 820	45 160	39.3
KITCHEN WORKERS, FOOD PREPARATION	211 965	40 098	171 867	81.1	147 526	63 722	83 804	56.8
WAITERS/WAITRESSES' ASSISTANTS	106 609	23 215	83 394	78.2	75 989	6 197	69 792	91.8
MISCELLANEOUS FOOD PREPARATION OCCUPATIONS	293 209	171 282	121 927	41.6	152 629	103 583	49 046	32.1
HEALTH SERVICE OCCUPATIONS	715 082	319 111	395 971	55.4	579 280	211 122	368 158	63.6
DENTAL ASSISTANTS	1 828 284	217 030	1 611 254	88.1	1 184 820	147 180	1 037 640	87.6
HEALTH AIDES, EXCEPT NURSING	158 117	3 294	154 823	97.9	99 795	2 102	97 693	97.9
NURSING AIDES, ORDERLIES, AND ATTENDANTS	292 049	45 375	246 674	84.5	134 075	21 502	112 573	84.0
CLEANING AND BUILDING SERVICE OCCUPATIONS, EXCEPT HOUSEHOLD	1 378 118	168 361	1 209 757	87.8	950 950	123 576	827 374	87.0
SUPERVISORS, CLEANING AND BLDG. SERVICE WORKERS	2 980 104	1 930 692	1 049 412	35.2	2 196 587	1 492 924	703 663	32.0
MAIDS AND HOUSEMEN	116 819	83 593	33 226	28.4	59 966	41 182	18 784	31.3
JANITORS AND CLEANERS	673 558	163 281	510 277	75.8	496 271	28 218	468 053	94.3
ELEVATOR OPERATORS	2 130 157	1 631 534	498 623	23.4	1 573 705	1 368 140	205 565	13.1
PEST CONTROL OCCUPATIONS	21 982	16 869	5 113	23.3	40 393	29 132	11 261	27.9
PERSONAL SERVICE OCCUPATIONS	37 588	35 415	2 173	5.8	26 252	26 252	0	.0
SUPERVISORS, PERSONAL SERVICE OCCUPATIONS	1 798 736	403 304	1 395 432	77.6	1 221 450	386 157	835 293	68.4
BARBERS	29 000	16 293	12 707	43.8	16 217	9 337	6 880	42.4
HAIRDRESSERS AND COSMETOLOGISTS	105 460	90 939	14 521	13.8	178 997	170 237	8 760	4.9
ATTENDANTS, AMUSEMENT AND RECREATION FACILITIES	559 254	68 469	490 785	87.8	527 384	52 845	474 539	90.0
GUIDES	104 923	64 768	40 155	38.3	59 238	43 318	15 920	26.9
USHERS	28 011	11 998	16 013	57.2	7 113	4 776	2 337	32.9
PUBLIC TRANSPORTATION ATTENDANTS	24 034	16 318	7 716	32.1	23 980	16 882	7 098	29.6
BAGGAGE PORTERS AND BELLHOPS	69 921	15 280	54 641	78.1	43 554	8 131	35 423	81.3
WELFARE SERVICE AIDES	21 490	19 980	1 510	7.0	19 797	19 244	553	2.6
CHILD CARE WORKERS, EXCEPT PRIVATE HOUSEHOLD	60 805	7 075	53 730	88.4	21 029	4 076	16 953	80.6
PERSONAL SERVICE OCCUPATIONS, N.E.C.	612 666	41 872	570 794	93.2	178 845	13 335	165 510	92.5
FARMING, FORESTRY, AND FISHING OCCUPATIONS	183 172	50 312	132 860	72.5	145 296	43 976	101 320	69.7
FARM OPERATORS AND MANAGERS	3 032 264	2 581 013	451 251	14.9	3 033 760	2 756 843	276 917	9.1
FARMERS, EXCEPT HORTICULTURAL	1 314 773	1 184 637	130 136	9.9	1 432 688	1 361 063	71 625	5.0
HORTICULTURAL SPECIALTY FARMERS	1 144 703	1 032 759	111 944	9.8	1 351 706	1 288 357	63 349	4.7
MANAGERS, FARMS, EXCEPT HORTICULTURAL	13 845	11 589	2 256	16.3	12 194	7 063	5 131	42.1
MANAGERS, HORTICULTURAL SPECIALTY FARMS	140 579	127 216	13 363	9.5	68 091	64 946	3 145	4.6
FARM OCCUPATIONS, EXCEPT MANAGERIAL	15 646	13 073	2 573	16.4	697	697	0	.0
SUPERVISORS, FARM WORKERS	975 957	758 060	217 897	22.3	1 002 201	841 041	161 160	16.1
FARM WORKERS	53 790	44 769	9 021	16.8	38 928	35 629	3 299	8.5
MARINE LIFE CULTIVATION WORKERS	887 098	694 666	192 432	21.7	914 454	778 555	135 899	14.9
NURSERY WORKERS	1 333	613	720	54.0	0	0	0	.0
RELATED AGRICULTURAL OCCUPATIONS	33 736	18 012	15 724	46.6	48 819	26 857	21 962	45.0
SUPERVISORS, RELATED AGRICULTURAL OCCUPATIONS	527 081	436 316	90 765	17.2	445 661	406 694	38 967	8.7
GROUNDKEEPERS AND GARDENERS, EXCEPT FARM	20 952	19 335	1 617	7.7	37 711	37 115	596	1.6
ANIMAL CARETAKERS, EXCEPT FARM	412 615	382 258	30 357	7.4	332 528	322 725	9 803	2.9
GRADERS AND SORTERS, AGRICULTURAL PRODUCTS	71 472	29 300	42 172	59.0	50 099	34 708	15 391	30.7
INSPECTORS, AGRICULTURAL PRODUCTS	20 899	4 476	16 423	78.6	25 323	12 146	13 177	52.0
	1 143	947	196	17.1	0	0	0	.0

Detailed Occupation of the Experienced Civilian Labor Force by Sex: 1980 and 1970 - Con.

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UNITED STATES REGIONS	1980				1970			
	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
UNITED STATES								
FARMING, FORESTRY, AND FISHING OCCUPATIONS--CON.								
FORESTRY AND LOGGING OCCUPATIONS	150 435	142 054	8 381	5.6	113 349	110 034	3 315	2.9
SUPERVISORS, FORESTRY AND LOGGING WORKERS	8 662	8 385	277	3.2	3 348	3 348	0	.0
FORESTRY WORKERS, EXCEPT LOGGING	28 053	22 837	5 216	18.6	8 535	8 535	0	.0
TIMBER CUTTING AND LOGGING OCCUPATIONS	113 720	110 832	2 888	2.5	101 466	98 151	3 315	3.3
FISHERS, HUNTERS, AND TRAPPERS	64 018	59 946	4 072	6.4	39 861	38 011	1 850	4.6
CAPTAINS AND OTHER OFFICERS, FISHING VESSELS	7 134	6 875	259	3.6	5 924	5 435	489	8.3
FISHERS	54 700	51 137	3 563	6.5	32 965	31 604	1 361	4.1
HUNTERS AND TRAPPERS	2 184	1 934	250	11.4	972	972	0	.0
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	13 554 527	12 498 566	1 055 961	7.8	11 269 163	10 445 086	824 077	7.3
MECHANICS AND REPAIRERS	3 982 515	3 847 955	134 560	3.4	3 275 410	3 194 978	80 432	2.5
SUPERVISORS, MECHANICS AND REPAIRERS	161 930	157 181	4 749	2.9	130 679	125 918	4 761	3.6
MECHANICS AND REPAIRERS, EXCEPT SUPERVISORS	3 820 585	3 690 774	129 811	3.4	3 144 731	3 069 060	75 671	2.4
VEHICLE AND MOBILE EQUIPMENT MECHS. & REPAIRERS	1 680 029	1 658 236	21 793	1.3	1 399 866	1 374 041	25 825	1.8
AUTOMOBILE MECHANICS	964 513	952 389	12 124	1.3	815 029	804 020	11 009	1.4
BUS, TRUCK, AND STATIONARY ENGINE MECHANICS	153 990	152 862	1 128	.7	82 247	80 299	1 948	2.4
AIRCRAFT MECHANICS	112 864	109 124	3 740	3.3	131 491	123 392	8 099	6.2
SMALL ENGINE REPAIRERS	36 344	35 713	631	1.7	33 445	32 803	642	1.9
AUTOMOBILE BODY AND RELATED REPAIRERS	207 822	205 450	2 372	1.1	116 412	114 971	1 441	1.2
HEAVY EQUIPMENT MECHANICS	158 588	157 266	1 322	.8	181 821	179 583	2 238	1.2
FARM EQUIPMENT MECHANICS	45 908	45 432	476	1.0	39 421	38 973	448	1.1
INDUSTRIAL MACHINERY REPAIRERS	487 183	472 288	14 895	3.1	339 904	334 361	5 543	1.6
MACHINERY MAINTENANCE OCCUPATIONS	47 112	45 307	1 805	3.8	65 452	63 641	1 811	2.8
ELECTRICAL AND ELECTRONIC EQUIPMENT REPAIRERS	647 130	596 461	50 669	7.8	602 202	586 260	15 942	2.6
ELECTRONIC REPAIRERS, COMMUNICATIONS AND INDUSTRIAL EQUIPMENT	165 321	156 944	8 377	5.1	166 735	161 007	5 728	3.4
DATA PROCESSING EQUIPMENT REPAIRERS	47 261	43 329	3 932	8.3	29 677	28 718	959	3.2
HOUSEHOLD APPLIANCE AND POWER TOOL REPAIRERS	82 774	80 291	2 483	3.0	77 199	76 486	713	.9
TELEPHONE LINE INSTALLERS AND REPAIRERS	62 606	59 363	3 243	5.2	55 530	53 670	1 860	3.3
TELEPHONE INSTALLERS AND REPAIRERS	256 579	226 960	29 619	11.5	239 686	233 004	6 682	2.8
MISCELLANEOUS ELECTRICAL AND ELECTRONIC EQUIPMENT REPAIRERS	32 589	29 574	3 015	9.3	33 375	33 375	0	.0
HEATING, AIR CONDITIONING, & REFRIG. MECHS	151 695	150 170	1 525	1.0	122 087	120 927	1 160	1.0
MISCELLANEOUS MECHANICS AND REPAIRERS	807 436	768 312	39 124	4.8	615 220	589 830	25 390	4.1
CAMERA, WATCH, & MUSICAL INSTR. REPAIRERS	40 566	35 745	4 821	11.9	34 309	32 065	2 244	6.5
LOCKSMITHS AND SAFE REPAIRERS	19 327	17 981	1 346	7.0	18 135	17 493	642	3.5
OFFICE MACHINE REPAIRERS	38 996	36 950	2 046	5.2	48 869	48 119	750	1.5
MECHANICAL CONTROLS AND VALVE REPAIRERS	28 322	27 240	1 082	3.8	37 470	35 403	2 067	5.5
ELEVATOR INSTALLERS AND REPAIRERS	20 772	20 377	395	1.9	23 515	23 515	0	.0
MILLWRIGHTS	134 076	129 660	4 416	3.3	111 661	110 663	998	.9
SPECIFIED MECHANICS AND REPAIRERS, N.E.C.	309 699	293 591	16 108	5.2	214 446	200 479	13 967	6.5
NOT SPECIFIED MECHANICS AND REPAIRERS	215 678	206 768	8 910	4.1	126 815	122 093	4 722	3.7
CONSTRUCTION TRADES	4 814 117	4 712 023	102 094	2.1	3 614 917	3 554 336	60 581	1.7
SUPERVISORS, CONSTRUCTION OCCUPATIONS	790 832	777 628	13 204	1.7	504 662	498 743	5 919	1.2
SUPERVISORS; BRICKMASTONS, STONEMASTONS, AND TILE SETTERS	5 048	5 005	43	.9	7 714	7 714	0	.0
SUPERVISORS, CARPENTERS AND RELATED WORKERS	35 805	35 553	252	.7	57 977	56 575	1 402	2.4
SUPERVISORS, ELECTRICIANS AND POWER TRANSMISSION INSTALLERS	37 006	36 547	459	1.2	32 192	32 192	0	.0
SUPERVISORS; PAINTERS, PAPERHANGERS, AND PLASTERERS	10 816	10 655	161	1.5	12 001	11 758	243	2.0
SUPERVISORS; PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	17 485	17 391	94	.5	28 169	28 169	0	.0
SUPERVISORS, N.E.C.	684 672	672 477	12 195	1.8	366 609	362 335	4 274	1.2
CONSTRUCTION TRADES, EXCEPT SUPERVISORS	4 023 285	3 934 395	88 890	2.2	3 110 255	3 055 593	54 662	1.8
BRICKMASTONS & STONEMASTONS	208 522	206 106	2 416	1.2	180 657	178 293	2 364	1.3
TILE SETTERS, HARD AND SOFT	32 538	31 897	641	2.0	35 158	34 737	421	1.2
CARPET INSTALLERS	87 827	86 334	1 493	1.7	56 566	55 805	761	1.3
CARPENTERS	1 305 868	1 284 947	20 921	1.6	925 927	915 393	10 534	1.1
DRYWALL INSTALLERS	97 300	95 170	2 130	2.2	51 454	50 786	668	1.3
ELECTRICIANS	625 813	612 614	13 199	2.1	486 095	475 887	10 208	2.1
ELECTRICAL POWER INSTALLERS AND REPAIRERS	104 863	103 062	1 801	1.7	99 537	97 966	1 571	1.6
PAINTERS, CONSTRUCTION AND MAINTENANCE	422 470	398 079	24 391	5.8	354 895	343 775	11 120	3.1
PAPERHANGERS	17 235	14 106	3 129	18.2	11 475	10 269	1 206	10.5
PLASTERERS	28 900	28 360	540	1.9	31 705	31 462	243	.8
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	502 004	495 423	6 581	1.3	397 588	393 032	4 556	1.1
CONCRETE AND TERRAZZO FINISHERS	75 354	74 498	856	1.1	79 942	78 855	1 087	1.4
GLAZIERS	33 540	32 024	1 516	4.5	23 209	22 292	917	4.0
INSULATION WORKERS	57 064	54 678	2 386	4.2	26 295	26 295	0	.0
PAVING, SURFACING, AND TAMPING EQUIPMENT OPERATORS	7 560	7 325	235	3.1	7 488	7 488	0	.0
ROOFERS	127 408	126 025	1 383	1.1	67 940	67 093	847	1.2

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	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
UNITED STATES								
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS--CON.								
CONSTRUCTION TRADES, EXCEPT SUPERVISORS--CON.								
SHEETMETAL DUCT INSTALLERS	29 022	28 602	420	1.4	18 661	18 661	0	.0
STRUCTURAL METAL WORKERS	89 231	88 164	1 067	1.2	80 982	79 965	1 017	1.3
DRILLERS, EARTH.	24 010	23 503	507	2.1	31 959	27 767	4 192	13.1
CONSTRUCTION TRADES, N.E.C..	146 756	143 478	3 278	2.2	142 632	139 772	2 860	2.0
EXTRACTIVE OCCUPATIONS	313 587	306 405	7 182	2.3	177 462	173 151	4 311	2.4
SUPERVISORS, EXTRACTIVE OCCUPATIONS.	82 625	80 870	1 755	2.1	49 599	49 599	0	.0
DRILLERS, OIL WELL	74 264	73 328	936	1.3	39 372	39 372	0	.0
EXPLOSIVES WORKERS	11 002	10 661	341	3.1	17 488	17 090	398	2.3
MINING MACHINE OPERATORS	93 214	90 463	2 751	3.0	34 812	34 812	0	.0
MINING OCCUPATIONS, N.E.C..	52 482	51 083	1 399	2.7	36 191	32 278	3 913	10.8
PRECISION PRODUCTION OCCUPATIONS	4 444 308	3 632 183	812 125	18.3	4 201 374	3 522 621	678 753	16.2
SUPERVISORS, PRODUCTION OCCUPATIONS.	1 888 059	1 605 489	282 570	15.0	1 548 472	1 394 732	153 740	9.9
PRECISION METALWORKING OCCUPATIONS	1 040 027	973 998	66 029	6.3	1 029 311	983 919	45 392	4.4
TOOL AND DIE MAKERS.	193 890	190 386	3 504	1.8	202 333	199 485	2 848	1.4
PRECISION ASSEMBLERS, METAL.	23 661	17 724	5 937	25.1	63 778	47 921	15 857	24.9
MACHINISTS	534 373	508 069	26 304	4.9	470 971	456 822	14 149	3.0
BOILERMAKERS	37 209	36 622	587	1.6	30 495	30 101	394	1.3
PRECISION GRINDERS, FILERS, & TOOL SHARPENERS.	19 769	18 607	1 162	5.9	27 643	27 029	614	2.2
PATTERNMAKERS AND MODEL MAKERS, METAL.	20 419	18 409	2 010	9.8	33 627	31 558	2 069	6.2
LAY-OUT WORKERS.	22 903	20 522	2 381	10.4	13 553	13 419	134	1.0
PRECIOUS STONES AND METALS WORKERS (JEWELERS).	37 972	25 603	12 369	32.6	20 609	15 990	4 619	22.4
ENGRAVERS, METAL	15 347	9 503	5 844	38.1	11 297	9 527	1 770	15.7
SHEET METAL WORKERS	132 090	126 766	5 324	4.0	154 370	151 432	2 938	1.9
MISCELLANEOUS PRECISION METAL WORKERS.	2 394	1 787	607	25.4	635	635	0	.0
PRECISION WOODWORKING OCCUPATIONS.	118 431	101 601	16 770	14.2	109 783	101 568	8 215	7.5
PATTERNMAKERS AND MODEL MAKERS, WOOD	4 590	4 462	128	2.8	8 310	8 310	0	.0
CABINET MAKERS AND BENCH CARPENTERS.	76 836	70 926	5 910	7.7	74 279	70 265	4 014	5.4
FURNITURE AND WOOD FINISHERS	31 958	22 423	9 535	29.8	27 194	22 993	4 201	15.4
MISCELLANEOUS PRECISION WOODWORKERS.	5 047	3 850	1 197	23.7	0	0	0	.0
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	279 666	125 971	153 695	55.0	301 357	155 382	145 975	48.4
DRESSMAKERS.	103 959	6 805	97 154	93.5	111 229	7 303	103 926	93.4
TAILORS.	62 025	37 567	24 458	39.4	72 991	50 544	22 447	30.8
UPHOLSTERERS	68 895	54 455	14 440	21.0	64 136	53 620	10 516	16.4
SHOE REPAIRERS	31 594	21 903	9 691	30.7	42 451	37 538	4 913	11.6
APPAREL AND FABRIC PATTERNMAKERS	4 197	2 000	2 197	52.3	1 758	1 758	0	.0
MISC. PRECISION APPAREL AND FABRIC WORKERS	8 996	3 241	5 755	64.0	8 792	4 619	4 173	47.5
PRECISION WORKERS, ASSORTED MATERIALS.	327 342	174 611	152 731	46.7	359 178	169 910	189 268	52.7
HAND MOLDERS AND SHAPERS, EXCEPT JEWELERS.	37 123	31 679	5 444	14.7	51 617	46 247	5 370	10.4
PATTERNMAKERS, LAY-OUT WORKERS, AND CUTTERS.	9 390	7 182	2 208	23.5	3 273	2 514	759	23.2
OPTICAL GOODS WORKERS.	46 872	27 861	19 011	40.6	30 623	23 038	7 585	24.8
DENTAL LAB. & MEDICAL APPLIANCE TECHNICIANS.	48 746	33 006	15 740	32.3	28 340	21 756	6 584	23.2
BOOKBINDERS.	30 828	13 164	17 664	57.3	34 239	15 080	19 159	56.0
ELECTRICAL AND ELECTRONIC EQUIPMENT ASSEMBLERS	112 538	27 256	85 282	75.8	191 100	42 643	148 457	77.7
MISCELLANEOUS PRECISION WORKERS, N.E.C..	41 845	34 463	7 382	17.6	19 986	18 632	1 354	6.8
PRECISION FOOD PRODUCTION OCCUPATIONS.	438 520	337 587	100 933	23.0	415 087	347 743	67 344	16.2
BUTCHERS AND MEAT CUTTERS.	294 446	251 489	42 957	14.6	295 632	262 042	33 590	11.4
BAKERS	116 970	69 321	47 649	40.7	94 977	70 828	24 149	25.4
FOOD BATCHMAKERS	27 104	16 777	10 327	38.1	24 478	14 873	9 605	39.2
PRECISION INSPECTORS, TESTERS, & RELATED WORKERS	105 063	75 107	29 956	28.5	215 817	148 968	66 849	31.0
INSPECTORS, TESTERS, AND GRADERS	101 389	74 030	27 359	27.0	208 843	148 968	59 875	28.7
ADJUSTERS AND CALIBRATORS.	3 674	1 077	2 597	70.7	6 974	0	6 974	100.0
PLANT AND SYSTEM OPERATORS	247 200	237 759	9 441	3.8	222 369	220 399	1 970	.9
WATER AND SEWAGE TREATMENT PLANT OPERATORS	33 295	32 233	1 062	3.2	17 514	17 514	0	.0
POWER PLANT OPERATORS.	27 750	26 393	1 357	4.9	20 968	20 374	594	2.8
STATIONARY ENGINEERS	133 390	129 221	4 169	3.1	149 973	148 597	1 376	.9
MISCELLANEOUS PLANT AND SYSTEM OPERATORS	52 765	49 912	2 853	5.4	33 914	33 914	0	.0
OPERATORS, FABRICATORS, AND LABORERS	19 987 975	14 501 489	5 486 486	27.4	17 384 605	12 886 653	4 497 952	25.9
MACHINE OPERATORS, ASSEMBLERS, & INSPECTORS.	10 081 569	5 979 555	4 102 014	40.7	8 937 975	5 390 792	3 547 183	39.7
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION.	6 544 045	3 862 464	2 681 581	41.0	6 494 995	3 878 889	2 616 106	40.3
METALWORKING & PLASTIC WORKING MACH. OPERATORS	793 338	648 729	144 609	18.2	835 105	688 224	146 881	17.6
LATHE AND TURNING MACHINE SET-UP OPERATORS	55 932	52 354	3 578	6.4	70 026	67 583	2 443	3.5
LATHE AND TURNING MACHINE OPERATORS.	119 598	109 024	10 574	8.8	124 395	109 771	14 624	11.8
MILLING AND PLANING MACHINE OPERATORS.	21 699	19 743	1 956	9.0	7 265	7 265	0	.0
PUNCHING AND STAMPING PRESS MACHINE OPERATORS.	177 326	120 535	56 791	32.0	201 844	137 749	64 095	31.8
ROLLING MACHINE OPERATORS.	19 721	17 502	2 219	11.3	25 256	23 827	1 429	5.7
DRILLING AND BORING MACHINE OPERATORS.	67 006	52 734	14 272	21.3	102 422	83 948	18 474	18.0
GRINDING, ABRADING, BUFFING, AND POLISHING MACHINE OPERATORS	279 847	230 924	48 923	17.5	250 476	212 091	38 385	15.3

Detailed Occupation of the Experienced Civilian Labor Force by Sex: 1980 and 1970 - Con.

(DATA BASED ON SAMPLE; SEE TEXT, FOR DEFINITIONS OF TERMS AND MEANING OF SYMBOLS, SEE TEXT)

UNITED STATES REGIONS	1980				1970			
	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
UNITED STATES								
OPERATORS, FABRICATORS, AND LABORERS--CON.								
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS--CON.		✓	✓			✓	✓	
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION--CON.								
FORGING MACHINE OPERATORS,	15 891	14 788	1 103	6.9	17 933	17 115	818	4.6
NUMERICAL CONTROL MACHINE OPERATORS,	2 801	2 572	229	8.2	667	667	0	.0
MISCELLANEOUS METAL, PLASTIC, STONE, AND GLASS WORKING MACHINE OPERATORS,	33 517	28 553	4 964	14.8	34 821	28 208	6 613	19.0
FABRICATING MACHINE OPERATORS, N.E.C.,	35 232	22 895	12 337	35.0	61 950	42 191	19 759	31.9
METAL AND PLASTIC PROCESSING MACHINE OPERATORS,	242 678	178 174	64 504	26.6	275 421	213 689	61 732	22.4
MOLDING AND CASTING MACHINE OPERATORS,	158 277	103 617	54 660	34.5	185 742	129 868	55 874	30.1
METAL PLATING MACHINE OPERATORS,	43 867	37 158	6 709	15.3	38 940	33 999	4 941	12.7
HEAT TREATING EQUIPMENT OPERATORS,	24 923	23 521	1 402	5.6	31 495	30 578	917	2.9
MISCELLANEOUS METAL AND PLASTIC PROCESSING MACHINE OPERATORS,	15 611	13 878	1 733	11.1	19 244	19 244	0	.0
WOODWORKING MACHINE OPERATORS,	161 972	138 382	23 590	14.6	161 239	144 931	16 308	10.1
WOOD LATHE, ROUTING, & PLANING MACH. OPERATORS,	8 178	7 337	841	10.3	4 753	4 753	0	.0
SAWING MACHINE OPERATORS,	108 367	95 914	12 453	11.5	121 840	110 897	10 943	9.0
SHAPING AND JOINING MACHINE OPERATORS,	9 382	5 705	3 677	39.2	3 815	2 497	1 318	34.5
NAILING AND TACKING MACHINE OPERATORS,	4 744	3 109	1 635	34.5	6 230	4 699	1 531	24.6
MISCELLANEOUS WOODWORKING MACHINE OPERATORS,	31 301	26 317	4 984	15.9	24 601	22 085	2 516	10.2
PRINTING MACHINE OPERATORS,	442 399	323 023	119 376	27.0	393 194	340 063	53 131	13.5
PRINTING MACHINE OPERATORS,	299 501	249 019	50 482	16.9	245 270	218 365	26 905	11.0
PHOTODUPLICATORS AND LITHOGRAPHERS,	26 017	20 958	5 059	19.4	33 495	28 422	5 073	15.1
TYPESETTERS AND COMPOSITORS,	70 515	31 205	39 310	55.7	86 571	72 040	14 531	16.8
MISCELLANEOUS PRINTING MACHINE OPERATORS,	46 366	21 841	24 525	52.9	27 858	21 236	6 622	23.8
TEXTILE, APPAREL, & FURNISHINGS MACH. OPERATORS,	1 632 042	303 462	1 328 580	81.4	1 986 105	417 686	1 568 419	79.0
WINDING AND TWISTING MACHINE OPERATORS,	111 412	27 637	83 775	75.2	150 491	40 229	110 262	73.3
KNITTING, LOOPING, TAPING, AND WEAVING MACHINE OPERATORS,	74 897	26 330	48 567	64.8	90 433	39 175	51 258	56.7
TEXTILE CUTTING MACHINE OPERATORS,	9 280	4 864	4 416	47.6	9 189	3 703	5 486	59.7
TEXTILE SEWING MACHINE OPERATORS,	914 472	53 624	860 848	94.1	968 597	48 965	919 632	94.9
SHOE MACHINE OPERATORS,	76 445	19 915	56 530	73.9	133 270	37 721	95 549	71.7
PRESSING MACHINE OPERATORS,	107 287	26 716	80 571	75.1	194 481	45 481	149 000	76.6
LAUNDERING AND DRY CLEANING MACHINE OPERATORS,	187 045	65 388	121 657	65.0	196 797	69 933	126 864	64.5
MISCELLANEOUS TEXTILE MACHINE OPERATORS,	151 204	78 988	72 216	47.8	242 847	132 479	110 368	45.4
MACHINE OPERATORS, ASSORTED MATERIALS,	3 236 384	2 247 799	988 585	30.5	2 781 981	2 032 105	749 876	27.0
CEMENTING AND GLUING MACHINE OPERATORS,	36 536	19 158	17 378	47.6	68 846	33 698	35 148	51.1
PACKAGING AND FILLING MACHINE OPERATORS,	121 142	56 113	65 029	53.7	161 446	91 883	69 563	43.1
EXTRUDING AND FORMING MACHINE OPERATORS,	25 096	21 559	3 537	14.1	29 112	23 007	6 105	21.0
MIXING AND BLENDING MACHINE OPERATORS,	111 596	99 328	12 268	11.0	135 345	126 469	8 876	6.6
SEPARATING, FILTERING, AND CLARIFYING MACHINE OPERATORS,	72 554	66 374	6 180	8.5	57 428	55 525	1 903	3.3
COMPRESSING & COMPACTING MACHINE OPERATORS,	22 618	15 857	6 761	29.9	33 022	22 441	10 581	32.0
PAINTING AND PAINT SPRAYING MACH. OPERATORS,	171 138	143 719	27 419	16.0	172 787	144 143	28 644	16.6
ROASTING & BAKING MACH. OPERATORS, FOOD,	7 222	6 178	1 044	14.5	6 864	6 864	0	.0
WASHING, CLEANING, & PICKLING MACHINE OPERATORS,	9 285	6 992	2 293	24.7	9 833	9 188	645	6.6
FOLDING MACHINE OPERATORS,	33 745	13 292	20 453	60.6	35 187	13 046	22 141	62.9
FURNACE, KILN, AND OVEN OPERATORS, EXC. FOOD,	153 795	146 322	7 473	4.9	185 064	172 095	12 969	7.0
CRUSHING AND GRINDING MACHINE OPERATORS,	52 578	48 112	4 466	8.5	62 898	60 903	1 995	3.2
SLICING AND CUTTING MACHINE OPERATORS,	210 693	149 231	61 462	29.2	218 497	161 873	56 624	25.9
MOTION PICTURE PROJECTIONISTS,	14 445	13 119	1 326	9.2	16 894	16 170	724	4.3
PHOTOGRAPHIC PROCESS MACHINE OPERATORS,	91 043	42 149	48 894	53.7	71 164	35 280	35 884	50.4
MISC. AND NOT SPECIFIED MACHINE OPERATORS,	2 102 898	1 400 296	702 602	33.4	1 517 594	1 059 520	458 074	30.2
OCCUPATION:								
MISCELLANEOUS MACHINE OPERATORS, N.E.C.,	698 686	467 095	231 591	33.1	1 130 152	810 160	319 992	28.3
MACHINE OPERATORS, NOT SPECIFIED,	1 404 212	933 201	471 011	33.5	387 442	249 360	138 082	35.6
INDUSTRY:								
MANUFACTURING,	1 817 021	1 194 211	622 810	34.3	1 386 498	961 265	425 233	30.7
NONDURABLE GOODS,	727 128	450 403	276 725	38.1	534 864	375 161	159 703	29.9
DURABLE GOODS,	1 089 893	743 808	346 085	31.8	851 634	586 104	265 530	31.2
NONMANUFACTURING INDUSTRIES,	285 877	206 085	79 792	27.9	131 096	98 255	32 841	25.1
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS,	2 632 135	1 679 608	952 527	36.2	1 666 452	1 131 353	535 099	32.1
WELDERS AND CUTTERS,	791 028	744 585	46 443	5.9	595 250	558 054	37 196	6.2
SOLDERERS AND BRAZERS,	33 926	7 469	26 457	78.0	49 939	9 139	40 800	81.7
ASSEMBLERS,	1 699 700	858 542	841 158	49.5	924 806	502 603	422 203	45.7
HAND CUTTING AND TRIMMING OCCUPATIONS,	17 984	11 028	6 956	38.7	19 082	13 286	5 796	30.4
HAND MOLDING, CASTING, AND FORMING OCCUPATIONS,	18 325	12 127	6 198	33.8	18 297	9 396	8 901	48.6
HAND PAINTING, COATING, & DECORATING OCCUPATIONS,	40 915	29 670	11 245	27.5	40 115	30 708	9 407	23.5
HAND ENGRAVING AND PRINTING OCCUPATIONS,	2 142	1 463	679	31.7	4 079	751	3 328	81.6
HAND GRINDING AND POLISHING OCCUPATIONS,	2 858	2 027	831	29.1	1 269	1 269	0	.0
MISCELLANEOUS HAND WORKING OCCUPATIONS,	25 257	12 697	12 560	49.7	13 615	6 147	7 468	54.9

Detailed Occupation of the Experienced Civilian Labor Force by Sex: 1980 and 1970-Con.

(DATA BASED ON SAMPLE; SEE TEXT, FOR DEFINITIONS OF TERMS AND MEANING OF SYMBOLS, SEE TEXT)

UNITED STATES REGIONS	1980				1970			
	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
UNITED STATES								
OPERATORS, FABRICATORS, AND LABORERS--CON.								
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS--CON.								
PRODUCTION INSPS., TESTERS, SAMPLERS, AND WEIGHERS	905 389	437 483	467 906	51.7	776 528	380 550	395 978	51.0
PRODUCTION INSPECTORS, CHECKERS, AND EXAMINERS	723 618	348 489	375 129	51.8	606 716	306 206	300 510	49.5
PRODUCTION TESTERS	58 992	39 631	19 361	32.8	63 148	38 857	24 291	38.5
PRODUCTION SAMPLERS AND WEIGHERS	9 561	5 548	4 013	42.0	6 602	3 886	2 716	41.1
GRADERS AND SORTERS, EXC. AGRICULTURAL	113 218	43 815	69 403	61.3	100 062	31 601	68 461	68.4
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS.								
MOTOR VEHICLE OPERATORS	4 820 322	4 445 158	375 164	7.8	3 932 068	3 768 924	163 144	4.1
SUPERVISORS, MOTOR VEHICLE OPERATORS	3 279 525	2 980 161	299 364	9.1	2 725 196	2 592 661	132 535	4.9
TRUCK DRIVERS, HEAVY	32 649	30 566	2 083	6.4	20 347	18 293	2 054	10.1
TRUCK DRIVERS, LIGHT	1 896 525	1 852 443	44 082	2.3	1 526 780	1 503 408	23 372	1.5
DRIVER-SALES WORKERS	550 160	512 671	37 489	6.8	422 515	402 861	19 654	4.7
BUS DRIVERS	184 808	170 934	13 874	7.5	290 775	287 503	3 272	1.1
TAXICAB DRIVERS AND CHAUFFEURS	386 334	209 379	176 955	45.8	258 119	185 004	73 115	28.3
PARKING LOT ATTENDANTS	188 593	166 990	21 603	11.5	170 242	160 466	9 776	5.7
MOTOR TRANSPORTATION OCCUPATIONS, N.E.C.	36 809	33 740	3 069	6.3	35 106	33 814	1 292	3.7
RAIL TRANSPORTATION OCCUPATIONS	3 647	3 438	209	5.7	1 312	1 312	0	.0
RAILROAD CONDUCTORS AND YARDMASTERS	212 540	209 072	3 468	1.6	248 547	245 554	2 993	1.2
LOCOMOTIVE OPERATING OCCUPATIONS	47 294	46 531	763	1.6	54 695	54 253	442	.8
RAILROAD BRAKE, SIGNAL, AND SWITCH OPERATORS	73 098	71 866	1 232	1.7	81 399	80 381	1 018	1.3
RAIL VEHICLE OPERATORS, N.E.C.	82 919	81 736	1 183	1.4	104 549	103 016	1 533	1.5
WATER TRANSPORTATION OCCUPATIONS	9 229	8 939	290	3.1	7 904	7 904	0	.0
SHIP CAPTAINS AND MATES, EXCEPT FISHING BOATS	76 587	74 532	2 055	2.7	64 524	63 599	925	1.4
SAILORS AND DECKHANDS	33 411	32 759	652	2.0	27 857	27 486	371	1.3
MARINE ENGINEERS	34 230	33 340	890	2.6	31 314	30 760	554	1.8
BRIDGE, LOCK, AND LIGHTHOUSE TENDERS	3 759	3 681	78	2.1	0	0	0	.0
MATERIAL MOVING EQUIPMENT OPERATORS	5 187	4 752	435	8.4	5 353	5 353	0	.0
SUPERVISORS, MATERIAL MOVING EQUIPMENT OPERATORS	1 251 670	1 181 393	70 277	5.6	893 821	867 110	26 711	3.0
OPERATING ENGINEERS	30 670	29 418	1 252	4.1	12 190	12 190	0	.0
LONGSHORE EQUIPMENT OPERATORS	238 826	235 587	3 239	1.4	124 673	123 202	1 471	1.2
HOIST AND WINCH OPERATORS	4 265	4 137	128	3.0	2 599	2 599	0	.0
CRANE AND TOWER OPERATORS	31 889	31 166	723	2.3	21 475	21 475	0	.0
EXCAVATING AND LOADING MACHINE OPERATORS	131 373	128 622	2 751	2.1	143 703	141 497	2 206	1.5
GRADER, DOZER, AND SCRAPER OPERATORS	82 918	81 413	1 505	1.8	71 244	71 244	0	.0
INDUSTRIAL TRUCK & TRACTOR EQUIPMENT OPERATORS	80 580	79 567	1 013	1.3	115 384	113 456	1 928	1.7
MISC. MATERIAL MOVING EQUIPMENT OPERATORS	435 412	415 004	20 408	4.7	295 356	289 958	5 398	1.8
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	215 737	176 479	39 258	18.2	107 197	91 489	15 708	14.7
SUPERVISORS, HANDLERS, EQUIPMENT CLEANERS, AND LABORERS, N.E.C.	5 086 084	4 076 776	1 009 308	19.8	4 514 542	3 726 937	787 605	17.4
HELPERS, MECHANICS AND REPAIRERS	10 220	8 642	1 578	15.4	1 798	1 798	0	.0
HELPERS, CONSTRUCTION AND EXTRACTIVE OCCUPATIONS	28 077	26 578	1 499	5.3	31 467	31 467	0	.0
HELPERS, CONSTRUCTION TRADES	158 920	152 101	6 819	4.3	115 323	115 103	220	.2
HELPERS, SURVEYOR	126 152	121 487	4 665	3.7	92 206	92 206	0	.0
HELPERS, EXTRACTIVE OCCUPATIONS	11 086	10 326	760	6.9	12 474	12 254	220	1.8
CONSTRUCTION LABORERS	21 682	20 288	1 394	6.4	10 643	10 643	0	.0
PRODUCTION HELPERS	861 223	833 937	27 286	3.2	592 798	581 323	11 475	1.9
FREIGHT, STOCK, AND MATERIAL HANDLERS	120 983	98 971	22 012	18.2	150 563	116 752	33 811	22.5
GARBAGE COLLECTORS	1 393 968	1 180 774	213 194	15.3	1 361 091	1 229 126	131 965	9.7
STEVEDORES	76 577	74 302	2 275	3.0	81 564	80 250	1 314	1.6
STOCK HANDLERS AND BAGGERS	22 002	21 634	368	1.4	47 605	46 772	833	1.7
MACHINE FEEDERS AND OFFBEARERS	709 348	560 360	148 988	21.0	556 626	486 983	69 643	12.5
FREIGHT, STOCK, AND MATERIAL HANDLERS, N.E.C.	112 641	77 403	35 238	31.3	116 655	89 459	27 196	23.3
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	473 400	447 025	26 375	5.6	558 641	525 662	32 979	5.9
VEHICLE WASHERS AND EQUIPMENT CLEANERS	341 675	314 550	27 125	7.9	484 478	470 488	14 010	2.9
HAND PACKERS AND PACKAGERS	147 901	125 600	22 301	15.1	144 458	129 819	14 639	10.1
LABORERS, EXCEPT CONSTRUCTION	622 759	206 834	415 925	66.8	618 187	203 942	414 245	67.0
MANUFACTURING	1 400 358	1 128 789	271 569	19.4	1 014 379	847 139	167 240	16.5
NONDURABLE GOODS	639 096	486 417	152 679	23.9	451 768	366 264	85 504	18.9
DURABLE GOODS	264 985	184 042	80 943	30.5	196 243	139 937	56 306	28.7
TRANS., COMMUNICATIONS, & OTHER PUB. UTILITIES	374 111	302 375	71 736	19.2	255 525	226 327	29 198	11.4
WHOLESALE AND RETAIL TRADE	167 593	155 580	12 013	7.2	125 104	119 771	5 333	4.3
ALL OTHER INDUSTRIES	341 925	280 285	61 640	18.0	257 321	206 908	50 413	19.6
EXPERIENCED UNEMPLOYED NOT CLASSIFIED BY OCCUPATION	251 744	206 507	45 237	18.0	180 186	154 196	25 990	14.4
	339 909	127 959	211 950	62.4	110 451	48 806	61 645	55.8

(to be excluded)

END

Detailed Occupation of the Experienced Civilian Labor Force by Sex: 1980 and 1970-Con.

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UNITED STATES REGIONS	1980				1970			
	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
NORTHEAST								
EXPERIENCED CIVILIAN LABOR FORCE, 16 YEARS AND OVER	22 822 108	12 992 230	9 829 878	43.1	19 993 615	12 297 777	7 695 838	38.5
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS.	5 359 923	3 237 920	2 122 003	39.6	3 925 743	2 656 598	1 269 145	32.3
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS.	2 349 336	1 688 417	660 919	28.1	1 558 025	1 303 744	254 281	16.3
LEGISLATORS, CHIEF EXECUTIVES AND GENERAL ADMINISTRATORS, PUBLIC ADMINISTRATION	10 395	7 769	2 626	25.3	2 203	2 203	0	.0
ADMINISTRATORS & OFFICIALS, PUBLIC ADMINISTRATION.	62 993	41 821	21 172	33.6	51 323	39 824	11 499	22.4
ADMINISTRATORS, PROTECTIVE SERVICES.	4 864	4 730	134	2.8	8 537	8 537	0	.0
FINANCIAL MANAGERS.	111 838	79 707	32 131	28.7	57 757	48 389	9 368	16.2
PERSONNEL AND LABOR RELATIONS MANAGERS.	51 089	33 365	17 724	34.7	16 863	13 263	3 600	21.3
PURCHASING MANAGERS.	16 830	13 831	2 999	17.8	12 156	11 166	990	8.1
MANAGERS, MARKETING, ADVERTISING, & PUB RELATIONS.	176 976	145 018	31 958	18.1	115 527	106 492	9 035	7.8
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	92 271	55 877	36 394	39.4	52 983	36 689	16 294	30.8
MANAGERS, MEDICINE AND HEALTH.	26 230	13 030	13 200	50.3	14 525	5 695	8 830	60.8
MANAGERS, PROPERTIES AND REAL ESTATE	38 072	29 354	8 718	22.9	25 062	21 182	3 880	15.5
POSTMASTERS AND MAIL SUPERINTENDENTS	6 045	3 754	2 291	37.9	7 653	5 782	1 871	24.4
FUNERAL DIRECTORS.	10 323	9 528	795	7.7	9 604	8 933	671	7.0
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED.	1 031 161	768 242	262 919	25.5	628 879	545 292	83 587	13.3
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	96 716	74 302	22 414	23.2	96 008	84 468	11 540	12.0
MANAGEMENT RELATED OCCUPATIONS	613 533	408 089	205 444	33.5	458 945	365 829	93 116	20.3
ACCOUNTANTS AND AUDITORS	244 720	174 034	70 686	28.9	179 606	146 298	33 308	18.5
UNDERWRITERS	7 444	3 400	4 044	54.3	673	673	0	.0
OTHER FINANCIAL OFFICERS	88 884	54 100	34 784	39.1	50 294	39 457	10 837	21.5
MANAGEMENT ANALYSTS.	29 463	23 027	6 436	21.8	9 274	8 462	812	8.8
PERSONNEL, TNG., AND LABOR RELATIONS SPECIALISTS	94 383	50 260	44 123	46.7	65 884	43 575	22 309	33.9
PURCHASING AGENTS AND BUYERS, FARM PRODUCTS.	1 959	1 841	118	6.0	2 336	2 297	41	1.8
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS.	44 219	24 920	19 299	43.6	55 027	39 592	15 435	28.0
PURCHASING AGENTS AND BUYERS, N.E.C.	44 429	30 375	14 054	31.6	40 074	33 877	6 197	15.5
BUSINESS AND PROMOTION AGENTS.	5 287	3 374	1 913	36.2	3 163	2 629	534	16.9
CONSTRUCTION INSPECTORS.	10 817	10 445	372	3.4	11 820	11 728	92	.8
INSPECTORS & COMPLIANCE OFFICERS, EXCEPT CONSTR.	35 186	29 086	6 100	17.3	34 945	32 443	2 502	7.2
MANAGEMENT RELATED OCCUPATIONS, N.E.C.	6 742	3 227	3 515	52.1	5 847	4 798	1 049	17.9
PROFESSIONAL SPECIALTY OCCUPATIONS	3 010 587	1 549 503	1 461 084	48.5	2 367 718	1 352 854	1 014 864	42.9
ENGINEERS, ARCHITECTS, AND SURVEYORS	355 015	340 719	14 296	4.0	355 945	350 124	5 821	1.6
ARCHITECTS	22 993	20 852	2 141	9.3	14 901	14 157	744	5.0
ENGINEERS.	327 244	315 276	11 968	3.7	338 651	333 574	5 077	1.5
AEROSPACE	11 809	11 469	340	2.9	13 653	13 510	143	1.0
METALLURGICAL AND MATERIALS.	6 885	6 694	191	2.8	9 172	9 133	39	.4
MINING	1 060	1 017	43	4.1	511	501	10	2.0
PETROLEUM	637	587	50	7.8	419	410	9	2.1
CHEMICAL	14 503	13 830	673	4.6	15 445	15 240	205	1.3
NUCLEAR.	2 556	2 468	88	3.4	705	705	0	.0
CIVIL.	41 315	40 259	1 056	2.6	44 539	43 959	580	1.3
AGRICULTURAL	579	516	63	10.9	0	0	0	.0
ELECTRICAL AND ELECTRONIC.	81 845	79 064	2 781	3.4	89 691	88 251	1 440	1.6
INDUSTRIAL	49 582	45 762	3 820	7.7	56 037	54 808	1 229	2.2
MECHANICAL	49 195	48 407	788	1.6	50 917	50 421	496	1.0
MARINE AND NAVAL ARCHITECTS.	4 161	4 084	77	1.9	3 151	3 151	0	.0
ENGINEERS, N.E.C.	63 117	61 119	1 998	3.2	54 411	53 485	926	1.7
SURVEYORS AND MAPPING SCIENTISTS	4 778	4 591	187	3.9	2 393	2 393	0	.0
MATHEMATICAL AND COMPUTER SCIENTISTS	93 662	69 538	24 124	25.8	62 729	52 406	10 323	16.5
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	56 270	43 957	12 313	21.9	31 628	27 513	4 115	13.0
OPERATIONS AND SYSTEMS RESEARCHERS AND ANALYSTS.	23 748	17 303	6 445	27.1	19 927	17 857	2 070	10.4
ACTUARIES.	4 967	3 596	1 371	27.6	2 427	1 883	544	22.4
STATISTICIANS.	7 596	3 764	3 832	50.4	6 854	3 754	3 100	45.2
MATHEMATICAL SCIENTISTS, N.E.C.	1 081	918	163	15.1	1 893	1 399	494	26.1
NATURAL SCIENTISTS	64 747	49 717	15 030	23.2	55 477	46 243	9 234	16.6
PHYSICISTS AND ASTRONOMERS	5 751	5 455	296	5.1	6 218	5 937	281	4.5
CHEMISTS, EXCEPT BIOCHEMISTS	29 342	23 722	5 620	19.2	31 961	28 112	3 849	12.0
ATMOSPHERIC AND SPACE SCIENTISTS	1 250	980	270	21.6	853	767	86	10.1
GEOLOGISTS AND GEODESISTS.	2 655	2 329	326	12.3	1 521	1 444	77	5.1
PHYSICAL SCIENTISTS, N.E.C.	1 747	1 377	370	21.2	344	263	81	23.5
AGRICULTURAL AND FOOD SCIENTISTS	3 754	2 653	1 101	29.3	3 431	2 806	625	18.2
BIOLOGICAL AND LIFE SCIENTISTS	11 118	6 724	4 394	39.5	7 577	4 262	3 315	43.8
FORESTRY AND CONSERVATION SCIENTISTS	3 879	3 419	460	11.9	2 554	2 314	240	9.4
MEDICAL SCIENTISTS	5 251	3 058	2 193	41.8	1 018	338	680	66.8
HEALTH DIAGNOSING OCCUPATIONS.	167 835	146 206	21 629	12.9	135 729	123 139	12 590	9.3
PHYSICIANS	116 896	98 498	18 398	15.7	92 685	82 065	10 620	11.5
DENTISTS	33 347	31 695	1 652	5.0	29 528	28 539	989	3.3
VETERINARIANS.	5 338	4 573	765	14.3	3 358	3 100	258	7.7
OPTOMETRISTS	5 545	5 201	344	6.2	4 420	4 263	157	3.6
PODIATRISTS.	2 804	2 628	176	6.3	2 560	2 350	210	8.2
HEALTH DIAGNOSING PRACTITIONERS, N.E.C.	3 905	3 611	294	7.5	3 178	2 822	356	11.2

Detailed Occupation of the Experienced Civilian Labor Force by Sex: 1980 and 1970-Con.

(DATA BASED ON SAMPLE; SEE TEXT. FOR DEFINITIONS OF TERMS AND MEANING OF SYMBOLS, SEE TEXT.)

UNITED STATES REGIONS	1980				1970			
	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
NORTHEAST								
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS--CON.								
PROFESSIONAL SPECIALTY OCCUPATIONS--CON.								
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	452 189	54 590	397 599	87.9	285 671	42 007	243 664	85.3
REGISTERED NURSES	349 993	11 698	338 295	96.7	223 466	6 271	217 195	97.2
PHARMACISTS	31 996	25 468	6 528	20.4	30 484	27 445	3 039	10.0
DIETITIANS	15 921	1 797	14 124	88.7	10 625	807	9 818	92.4
THERAPISTS	49 078	12 860	36 218	73.8	21 096	7 484	13 612	64.5
INHALATION THERAPISTS	8 810	4 261	4 549	51.6	2 514	1 824	690	27.4
OCCUPATIONAL THERAPISTS	5 193	516	4 677	90.1	2 796	730	2 068	73.9
PHYSICAL THERAPISTS	11 277	2 770	8 507	75.4	4 908	1 461	3 447	70.2
SPEECH THERAPISTS	11 355	1 232	10 123	89.2	4 671	365	4 306	92.2
THERAPISTS, N.E.C.	12 443	4 081	8 362	67.2	6 205	3 104	3 101	50.0
PHYSICIANS' ASSISTANTS	5 201	2 767	2 434	46.8	0	0	0	.0
TEACHERS, POSTSECONDARY	146 495	94 141	52 354	35.7	121 884	87 402	34 482	28.3
BIOLOGICAL SCIENCE TEACHERS	2 308	1 509	799	34.6	4 144	2 948	1 196	28.9
CHEMISTRY TEACHERS	1 897	1 416	481	25.4	4 175	3 622	553	13.2
PHYSICS TEACHERS	1 363	1 179	184	13.5	3 762	3 602	160	4.3
OTHER NATURAL SCIENCE TEACHERS	563	454	109	19.4	1 230	1 166	64	5.2
PSYCHOLOGY TEACHERS	1 605	963	642	40.0	3 040	1 774	1 266	41.6
ECONOMICS TEACHERS	1 305	1 057	248	19.0	2 684	2 463	221	8.2
HISTORY TEACHERS	1 456	1 093	363	24.9	4 349	3 569	780	17.9
OTHER SOCIAL SCIENCE TEACHERS	1 905	1 281	624	32.8	4 768	4 132	636	13.3
ENGINEERING TEACHERS	2 252	1 982	270	12.0	4 341	4 152	189	4.4
MATHEMATICAL AND COMPUTER SCIENCE TEACHERS	4 668	3 168	1 500	32.1	6 349	5 099	1 250	19.7
MEDICAL SCIENCE TEACHERS	1 972	1 478	494	25.1	1 900	1 900	0	.0
HEALTH SPECIALTIES TEACHERS	3 817	415	3 402	89.1	4 730	1 248	3 482	73.6
BUSINESS, COMMERCE, AND MARKETING TEACHERS	1 215	719	496	40.8	2 178	1 524	654	30.0
ART, DRAMA, AND MUSIC TEACHERS	6 134	3 265	2 869	46.8	9 287	5 689	3 598	38.7
ENGLISH TEACHERS	5 319	2 690	2 629	49.4	10 267	6 274	3 993	38.9
FOREIGN LANGUAGE TEACHERS	2 522	999	1 523	60.4	5 407	3 607	1 800	33.3
OTHER SPECIFIED TEACHERS	5 809	3 956	1 853	31.9	12 323	8 661	3 662	29.7
POSTSECONDARY TEACHERS, SUBJECT NOT SPECIFIED	100 385	66 517	33 868	33.7	36 950	25 972	10 978	29.7
TEACHERS, EXCEPT POSTSECONDARY	858 149	283 220	574 929	67.0	748 735	246 898	501 837	67.0
TEACHERS, PREKINDERGARTEN AND KINDERGARTEN	37 481	1 600	35 881	95.7	31 448	767	30 681	97.6
TEACHERS, ELEMENTARY SCHOOL	520 914	150 202	370 712	71.2	368 585	67 938	300 647	81.6
TEACHERS, SECONDARY SCHOOL	216 674	99 421	117 253	54.1	289 691	155 031	134 660	46.5
TEACHERS, SPECIAL EDUCATION	7 583	1 778	5 805	76.6	362	0	362	100.0
TEACHER, N.E.C.	75 497	30 219	45 278	60.0	58 649	23 162	35 487	60.5
COUNSELORS, EDUCATIONAL AND VOCATIONAL	49 218	23 381	25 837	52.5	28 933	16 594	12 339	42.6
LIBRARIANS, ARCHIVISTS, AND CURATORS	50 841	11 484	39 357	77.4	36 000	8 658	27 342	75.9
LIBRARIANS	46 310	9 177	37 133	80.2	33 828	7 196	26 632	78.7
ARCHIVISTS AND CURATORS	4 531	2 307	2 224	49.1	2 172	1 462	710	32.7
SOCIAL SCIENTISTS AND URBAN PLANNERS	62 349	37 285	25 064	40.2	33 801	26 077	7 724	22.9
ECONOMISTS	27 717	19 100	8 617	31.1	20 571	17 520	3 051	14.8
PSYCHOLOGISTS	28 589	14 413	14 176	49.6	9 382	5 494	3 888	41.4
SOCIOLOGISTS	581	315	266	45.8	417	252	165	39.6
SOCIAL SCIENTISTS, N.E.C.	2 580	1 369	1 211	46.9	1 001	809	192	19.2
URBAN PLANNERS	2 882	2 088	794	27.6	2 430	2 002	428	17.6
SOCIAL, RECREATION, AND RELIGIOUS WORKERS	196 918	99 403	97 515	49.5	134 587	79 066	55 521	41.3
SOCIAL WORKERS	128 972	46 910	82 062	63.6	71 582	27 388	44 194	61.7
RECREATION WORKERS	9 155	3 255	5 900	64.4	9 711	5 158	4 553	46.9
CLERGY	48 726	45 505	3 221	6.6	44 818	43 238	1 580	3.5
RELIGIOUS WORKERS, N.E.C.	10 065	3 733	6 332	62.9	8 476	3 282	5 194	61.3
LAWYERS AND JUDGES	138 766	119 849	18 917	13.6	87 640	83 317	4 323	4.9
LAWYERS	133 209	115 141	18 068	13.6	84 406	80 225	4 181	5.0
JUDGES	5 557	4 708	849	15.3	3 234	3 092	142	4.4
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	374 403	219 970	154 433	41.2	280 587	190 923	89 664	32.0
AUTHORS	15 087	8 326	6 761	44.8	9 865	6 715	3 150	31.9
TECHNICAL WRITERS	14 346	8 983	5 363	37.4	3 873	2 910	963	24.9
DESIGNERS	93 144	53 261	39 883	42.8	75 766	52 588	23 178	30.6
MUSICIANS AND COMPOSERS	34 931	24 754	10 177	29.1	24 963	16 437	8 526	34.2
ACTORS AND DIRECTORS	21 124	13 304	7 820	37.0	12 637	8 167	4 470	35.4
PAINTERS, SCULPTORS, CRAFT-ARTISTS, AND ARTIST PRINTMAKERS	43 271	23 926	19 345	44.7	29 448	18 799	10 649	36.2
PHOTOGRAPHERS	23 042	18 150	4 892	21.2	18 650	16 536	2 114	11.3
DANCERS	3 781	1 176	2 605	68.9	1 791	533	1 258	70.2
ARTISTS, PERFORMERS, AND RELATED WORKERS, N.E.C.	11 483	6 807	4 676	40.7	15 717	10 906	4 811	30.6
EDITORS AND REPORTERS	67 231	33 288	33 943	50.5	52 355	29 827	22 528	43.0
PUBLIC RELATIONS SPECIALISTS	29 996	14 795	15 201	50.7	22 333	15 613	6 720	30.1
ANNOUNCERS	7 175	5 812	1 363	19.0	4 986	4 682	304	6.1
ATHLETES	9 792	7 388	2 404	24.6	8 203	7 210	993	12.1

Detailed Occupation of the Experienced Civilian Labor Force by Sex: 1980 and 1970—Con.

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UNITED STATES REGIONS	1980				1970			
	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
NORTHEAST								
TECH., SALES, & ADMIN. SUPPORT OCCUPATIONS. . . .	7 087 582	2 579 830	4 507 752	63.6	6 174 450	2 574 615	3 599 835	58.3
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS. . . .	677 404	383 923	293 481	43.3	477 866	315 236	162 630	34.0
HEALTH TECHNOLOGISTS AND TECHNICIANS.	217 454	34 810	182 644	84.0	138 868	23 842	115 026	82.8
CLINICAL LAB. TECHNOLOGISTS & TECHNICIANS.	54 150	13 241	40 909	75.5	31 081	8 193	22 888	73.6
DENTAL HYGIENISTS.	12 019	158	11 861	96.7	6 002	273	5 729	95.5
HEALTH RECORD TECHNOLOGISTS AND TECHNICIANS.	2 645	219	2 426	91.7	2 816	266	2 550	90.6
RADIOLOGIC TECHNICIANS.	21 726	6 004	15 722	72.4	13 829	4 517	9 312	67.3
LICENSED PRACTICAL NURSES.	94 102	3 092	91 010	96.7	68 896	3 248	65 648	95.3
HEALTH TECHNOLOGISTS AND TECHNICIANS, N.E.C.. . . .	32 812	12 096	20 716	63.1	16 244	7 345	8 899	54.8
ENGR. AND RELATED TECHNOLOGISTS AND TECHNICIANS.	207 428	177 015	30 413	14.7	206 546	189 849	16 697	8.1
ELECTRICAL AND ELECTRONIC TECHNICIANS.	59 803	53 821	5 982	10.0	43 888	41 352	2 536	5.8
INDUSTRIAL ENGINEERING TECHNICIANS.	2 040	1 659	381	18.7	4 183	3 160	1 023	24.5
MECHANICAL ENGINEERING TECHNICIANS.	3 111	2 905	206	6.6	3 754	3 634	120	3.2
ENGINEERING TECHNICIANS, N.E.C.. . . .	60 921	47 108	13 813	22.7	58 040	50 988	7 052	12.2
DRAFTING OCCUPATIONS.	73 922	64 531	9 391	12.7	88 008	82 475	5 533	6.3
SURVEYING AND MAPPING TECHNICIANS.	7 631	6 991	640	8.4	8 673	8 240	433	5.0
SCIENCE TECHNICIANS.	45 157	31 315	13 842	30.7	35 900	27 735	8 165	22.7
BIOLOGICAL TECHNICIANS.	9 770	5 664	4 106	42.0	7 801	5 017	2 784	35.7
CHEMICAL TECHNICIANS.	19 689	15 319	4 370	22.2	18 657	15 736	2 921	15.7
SCIENCE TECHNICIANS, N.E.C.. . . .	15 698	10 332	5 366	34.2	9 442	6 982	2 460	26.1
TECHNICIANS; EXC. HEALTH, ENGINEERING, & SCIENCE.	207 365	140 783	66 582	32.1	96 552	73 810	22 742	23.6
AIRPLANE PILOTS AND NAVIGATORS.	10 166	10 049	117	1.2	10 716	10 530	186	1.7
AIR TRAFFIC CONTROLLERS.	5 975	5 088	887	14.8	3 603	3 452	151	4.2
BROADCAST EQUIPMENT OPERATORS.	13 608	9 796	3 812	28.0	6 898	6 042	856	12.4
COMPUTER PROGRAMMERS.	85 433	58 633	26 800	31.4	51 290	38 235	13 055	25.5
TOOL PROGRAMMERS, NUMERICAL CONTROL.	2 507	1 946	561	22.4	942	746	196	20.8
LEGAL ASSISTANTS.	18 479	6 088	12 391	67.1	4 716	2 001	2 715	57.6
TECHNICIANS, N.E.C.. . . .	71 197	49 183	22 014	30.9	18 387	12 804	5 583	30.4
SALES OCCUPATIONS.	2 146 362	1 125 536	1 020 826	47.6	1 979 624	1 186 255	793 369	40.1
SUPERVISORS & PROPRs. SALES OCCUPATIONS, SALARIED.	245 131	179 014	66 117	27.0	172 732	150 007	22 725	13.2
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS, SELF-EMPLOYED.	87 979	64 852	23 127	26.3	100 715	79 793	20 922	20.8
SALES REPRESENTATIVES, FINANCE & BUSINESS SERVICES.	379 065	247 212	131 853	34.8	280 516	235 026	45 490	16.2
INSURANCE SALES OCCUPATIONS.	118 135	88 076	30 059	25.4	115 695	100 850	14 845	12.8
REAL ESTATE SALES OCCUPATIONS.	96 110	49 576	46 534	48.4	59 832	40 457	19 375	32.4
SECURITIES AND FINANCIAL SERVICES SALES OCCUPATIONS.	46 635	37 573	9 062	19.4	42 918	38 994	3 924	9.1
ADVERTISING AND RELATED SALES OCCUPATIONS.	29 346	17 364	11 982	40.8	19 678	15 898	3 780	19.2
SALES OCCUPATIONS, OTHER BUSINESS SERVICES.	88 839	54 623	34 216	38.5	42 393	38 827	3 566	8.4
SALES REPRESENTATIVES, COMMODITIES EXCEPT RETAIL.	293 388	252 484	40 904	13.9	296 815	276 772	20 043	6.8
SALES ENGINEERS.	12 665	12 390	275	2.2	17 059	16 949	110	.6
SALES REPRESENTATIVES, MINING, MANUFACTURING, AND WHOLESALE.	280 723	240 094	40 629	14.5	279 756	259 823	19 933	7.1
SALES WORKERS, RETAIL AND PERSONAL SERVICES.	1 135 620	379 804	755 816	66.6	1 124 475	443 133	681 342	60.6
SALES WORKERS, MOTOR VEHICLES AND BOATS.	44 823	41 573	3 250	7.3	56 381	55 000	1 381	2.4
SALES WORKERS, APPAREL.	100 587	20 823	79 764	79.3	147 011	31 258	115 753	78.7
SALES WORKERS, SHOES.	25 976	12 516	13 460	51.8	35 596	20 558	15 038	42.2
SALES WORKERS, FURNITURE AND HOME FURNISHINGS.	30 171	18 586	11 585	38.4	34 805	20 130	14 675	42.2
SALES WORKERS; RADIO, TV, HI-FI, AND APPLIANCES.	22 490	17 053	5 437	24.2	27 352	20 804	6 548	23.9
SALES WORKERS, HARDWARE AND BUILDING SUPPLIES.	31 967	24 801	7 166	22.4	58 156	49 527	8 629	14.8
SALES WORKERS, PARTS.	33 020	30 905	2 115	6.4	44 752	42 727	2 025	4.5
SALES WORKERS, OTHER COMMODITIES.	378 250	108 829	269 421	71.2	408 532	127 940	280 592	68.7
SALES COUNTER CLERKS.	19 058	5 138	13 920	73.0	28 435	9 514	18 921	66.5
CASHIERS.	386 071	69 762	316 309	81.9	232 366	41 554	190 812	82.1
STREET AND DOOR-TO-DOOR SALES WORKERS.	38 305	11 263	27 042	70.6	35 351	10 389	24 962	70.6
NEWS VENDORS.	24 902	18 555	6 347	25.5	15 738	13 732	2 006	12.7
SALES RELATED OCCUPATIONS.	5 179	2 170	3 009	58.1	4 371	1 524	2 847	65.1
DEMONSTRATORS, PROMOTERS AND MODELS, SALES.	2 585	426	2 159	83.5	1 985	596	1 389	70.0
AUCTIONEERS.	1 121	990	131	11.7	988	928	60	6.1
SALES SUPPORT OCCUPATIONS, N.E.C.. . . .	1 473	754	719	48.8	1 398	0	1 398	100.0
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL.	4 263 816	1 070 371	3 193 445	74.9	3 716 960	1 073 124	2 643 836	71.1
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS.	299 807	163 300	136 507	45.5	113 222	50 603	62 619	55.3
SUPERVISORS, GENERAL OFFICE.	177 719	79 403	98 316	55.3	70 993	25 821	45 172	63.6
SUPERVISORS, COMPUTER EQUIPMENT OPERATORS.	13 566	9 582	3 984	29.4	3 963	3 213	750	18.9
SUPERVISORS, FINANCIAL RECORDS PROCESSING.	45 525	24 232	21 293	46.8	11 917	6 744	5 173	43.4
CHIEF COMMUNICATIONS OPERATORS.	17 813	11 941	5 872	33.0	12 205	2 059	10 146	83.1
SUPERVISORS; DISTRIBUTION, SCHEDULING, AND ADJUSTING CLERKS.	45 184	38 142	7 042	15.6	14 144	12 766	1 378	9.7
COMPUTER EQUIPMENT OPERATORS.	98 086	43 379	54 707	55.8	51 191	32 181	19 010	37.1
COMPUTER OPERATORS.	89 331	39 990	49 341	55.2	36 517	25 811	10 706	29.3
PERIPHERAL EQUIPMENT OPERATORS.	8 755	3 389	5 366	61.3	14 674	6 370	8 304	56.6

Detailed Occupation of the Experienced Civilian Labor Force by Sex: 1980 and 1970 - Con.

(DATA BASED ON SAMPLE; SEE TEXT, FOR DEFINITIONS OF TERMS AND MEANING OF SYMBOLS, SEE TEXT)

UNITED STATES REGIONS	1980				1970			
	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
NORTHEAST								
TECH., SALES, & ADMIN. SUPPORT OCCUPATIONS--CON.								
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL--CON.								
SECRETARIES, STENOGRAPHERS AND TYPISTS	1 193 078	20 522	1 172 556	98.3	1 161 597	42 421	1 119 176	96.3
SECRETARIES	958 907	11 640	947 267	98.8	813 067	21 038	792 029	97.4
STENOGRAPHERS	25 261	2 228	23 033	91.2	36 850	2 941	33 909	92.0
TYPISTS	208 910	6 654	202 256	96.8	311 680	18 442	293 238	94.1
INFORMATION CLERKS	209 828	33 625	176 203	84.0	148 766	32 394	116 372	78.2
INTERVIEWERS	35 701	9 165	26 536	74.3	28 317	6 322	21 995	77.7
HOTEL CLERKS	9 783	3 950	5 833	59.6	11 331	6 019	5 312	46.9
TRANSPORTATION TICKET AND RESERVATION AGENTS	22 852	9 577	13 275	58.1	20 411	10 818	9 593	47.0
RECEPTIONISTS	118 944	6 434	112 510	94.6	75 349	4 971	70 378	93.4
INFORMATION CLERKS, N.E.C.	22 548	4 499	18 049	80.0	13 358	4 264	9 094	68.1
RECORDS PROCESSING OCCUPATIONS, EXCEPT FINANCIAL	263 958	65 944	198 014	75.0	216 713	51 101	165 612	76.4
CLASSIFIED-AD CLERKS	3 289	583	2 706	82.3	2 043	583	1 460	71.5
CORRESPONDENCE CLERKS	7 120	1 396	5 724	80.4	3 340	1 253	2 087	62.5
ORDER CLERKS	83 069	28 852	54 217	65.3	25 446	6 396	19 050	74.9
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	18 222	2 534	15 688	86.1	2 386	251	2 135	89.5
LIBRARY CLERKS	40 304	8 197	32 107	79.7	35 290	7 817	27 473	77.8
FILE CLERKS	83 418	18 022	65 396	78.4	128 884	27 235	101 649	78.9
RECORDS CLERKS	28 536	6 360	22 176	77.7	19 324	7 566	11 758	60.8
FINANCIAL RECORDS PROCESSING OCCUPATIONS	531 488	71 069	460 419	86.6	583 051	132 935	450 116	77.2
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	412 939	48 813	364 126	88.2	452 828	102 734	350 094	77.3
PAYROLL AND TIMEKEEPING CLERKS	44 270	8 646	35 624	80.5	48 535	14 862	33 673	69.4
BILLING CLERKS	40 657	5 011	35 646	87.7	38 864	6 462	32 402	83.4
COST AND RATE CLERKS	21 535	6 656	14 879	69.1	12 065	5 391	6 674	55.3
BILLING, POSTING, & CALCULATING MACH. OPERATORS	12 087	1 943	10 144	83.9	30 759	3 486	27 273	88.7
DUPLICATING, MAIL & OTHER OFFICE MACHINE OPERATORS	16 641	6 266	10 375	62.3	18 530	7 534	10 996	59.3
DUPLICATING MACHINE OPERATORS	5 590	2 688	2 902	51.9	7 041	3 494	3 547	50.4
MAIL PREPARING & PAPER HANDLING MACH. OPERATORS	1 936	730	1 206	62.3	4 179	1 010	3 169	75.8
OFFICE MACHINE OPERATORS, N.E.C.	9 115	2 848	6 267	68.8	7 310	3 030	4 280	58.5
COMMUNICATIONS EQUIPMENT OPERATORS	74 337	6 285	68 052	91.5	113 767	7 927	105 840	93.0
TELEPHONE OPERATORS	70 995	5 357	65 638	92.5	111 278	6 313	104 965	94.3
TELEGRAPHERS	1 180	686	494	41.9	2 489	1 614	875	35.2
COMMUNICATIONS EQUIPMENT OPERATORS, N.E.C.	2 162	242	1 920	88.8	0	0	0	.0
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	222 228	170 936	51 292	23.1	237 960	192 073	45 887	19.3
POSTAL CLERKS, EXC. MAIL CARRIERS	75 358	54 425	20 933	27.8	95 747	73 725	22 022	23.0
MAIL CARRIERS, POSTAL SERVICE	64 143	59 693	4 450	6.9	72 356	69 193	3 163	4.4
MAIL CLERKS, EXC. POSTAL SERVICE	50 098	28 971	21 127	42.2	43 274	25 889	17 385	40.2
MESSENGERS	32 629	27 847	4 782	14.7	26 583	23 266	3 317	12.5
MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING CLERKS	416 555	287 797	128 758	30.9	396 649	323 265	73 384	18.5
DISPATCHERS	21 903	17 143	4 760	21.7	22 401	20 317	2 084	9.3
PRODUCTION COORDINATORS	66 041	36 820	29 221	44.2	46 204	37 768	8 436	18.3
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	133 112	109 532	23 580	17.7	134 907	119 642	15 265	11.3
STOCK AND INVENTORY CLERKS	132 327	90 433	41 894	31.7	126 743	99 064	27 679	21.8
METER READERS	7 973	7 476	497	6.2	7 580	7 385	195	2.6
WEIGHERS, MEASURERS, AND CHECKERS	15 961	10 013	5 948	37.3	25 084	18 710	6 374	25.4
SAMPLERS	467	226	241	51.6	2 387	1 953	434	16.2
EXPEDITERS	29 788	14 350	15 438	51.8	23 287	15 667	7 620	32.7
MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING CLERKS, N.E.C.	8 983	1 804	7 179	79.9	8 056	2 759	5 297	65.8
ADJUSTERS AND INVESTIGATORS	116 258	47 097	69 161	59.5	91 345	57 480	33 865	37.1
INSURANCE ADJUSTERS, EXAMINERS, & INVESTIGATORS	42 492	17 973	24 519	57.7	30 272	21 994	8 278	27.3
INVESTIGATORS AND ADJUSTERS, EXCEPT INSURANCE	53 040	20 695	32 345	61.0	48 031	27 792	20 239	42.1
ELIGIBILITY CLERKS, SOCIAL WELFARE	2 223	602	1 621	72.9	223	66	157	70.4
BILL AND ACCOUNT COLLECTORS	18 503	7 827	10 676	57.7	12 819	7 628	5 191	40.5
MISCELLANEOUS ADMINISTRATIVE SUPPORT OCCUPATIONS	821 552	154 151	667 401	81.2	584 169	143 210	440 959	75.5
GENERAL OFFICE CLERKS	393 987	79 254	314 733	79.9	227 301	62 260	165 041	72.6
BANK TELLERS	119 384	13 735	105 649	88.5	79 558	15 030	64 528	81.1
PROOFREADERS	9 088	2 602	6 486	71.4	10 275	2 966	7 309	71.1
DATA-ENTRY KEYERS	99 303	7 837	91 466	92.1	91 173	6 648	84 525	92.7
STATISTICAL CLERKS	37 408	10 419	26 989	72.1	56 155	21 782	34 373	61.2
TEACHERS' AIDES	56 280	4 015	52 265	92.9	38 994	3 255	35 739	91.7
ADMINISTRATIVE SUPPORT OCCUPATIONS, N.E.C.	106 102	36 289	69 813	65.8	80 713	31 269	49 444	61.3
SERVICE OCCUPATIONS	2 966 665	1 373 788	1 592 877	53.7	2 416 565	1 159 552	1 257 013	52.0
PRIVATE HOUSEHOLD OCCUPATIONS	116 840	6 431	110 409	94.5	205 112	9 424	195 688	95.4
LAUNDERERS AND IRONERS	619	160	459	74.2	1 909	157	1 752	91.8
COOKS, PRIVATE HOUSEHOLD	2 809	378	2 431	86.5	7 694	443	7 251	94.2
HOUSEKEEPERS AND BUTLERS	18 398	637	17 761	96.5	13 813	621	13 192	95.5
CHILD CARE WORKERS, PRIVATE HOUSEHOLD	29 342	917	28 425	96.9	31 119	785	30 334	97.5
PRIVATE HOUSEHOLD CLEANERS AND SERVANTS	65 672	4 339	61 333	93.4	150 577	7 418	143 159	95.1

Detailed Occupation of the Experienced Civilian Labor Force by Sex: 1980 and 1970-Con.

(DATA BASED ON SAMPLE; SEE TEXT. FOR DEFINITIONS OF TERMS AND MEANING OF SYMBOLS, SEE TEXT)

UNITED STATES REGIONS	1980				1970			
	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
NORTHEAST								
SERVICE OCCUPATIONS--CON.								
PROTECTIVE SERVICE OCCUPATIONS	416 097	368 022	48 075	11.6	332 915	307 318	25 597	7.7
SUPERVISORS, PROTECTIVE SERVICE OCCUPATIONS	27 147	26 366	781	2.9	28 757	28 204	553	1.9
SUPERVISORS, FIREFIGHTING AND FIRE PREVENTION OCCUPATIONS	5 167	5 146	21	.4	8 365	8 365	0	.0
SUPERVISORS, POLICE AND DETECTIVES	15 333	15 031	302	2.0	16 960	16 612	348	2.1
SUPERVISORS, GUARDS	6 647	6 189	458	6.9	3 432	3 227	205	6.0
FIREFIGHTING AND FIRE PREVENTION OCCUPATIONS	51 517	51 167	350	.7	47 697	47 138	559	1.2
FIRE INSPECTION AND FIRE PREVENTION OCCUPATIONS	3 133	2 975	158	5.0	2 509	2 509	0	.0
FIREFIGHTING OCCUPATIONS	48 384	48 192	192	.4	45 188	44 629	559	1.2
POLICE AND DETECTIVES	150 944	142 644	8 300	5.5	137 429	130 735	6 694	4.9
POLICE AND DETECTIVES, PUBLIC SERVICE	117 898	113 501	4 397	3.7	116 088	112 259	3 829	3.3
SHERIFFS, BAILIFFS, AND OTHER LAW ENFORCEMENT OFFICERS	8 466	6 911	1 555	18.4	6 549	5 962	587	9.0
CORRECTIONAL INSTITUTION OFFICERS	24 580	22 232	2 348	9.6	14 792	12 514	2 278	15.4
GUARDS	186 489	147 845	38 644	20.7	119 032	101 241	17 791	14.9
CROSSING GUARDS	20 355	4 605	15 750	77.4	18 014	5 201	12 813	71.1
GUARDS AND POLICE, EXC. PUBLIC SERVICE	156 164	138 109	18 055	11.6	97 085	92 868	4 217	4.3
PROTECTIVE SERVICE OCCUPATIONS, N.E.C.	9 970	5 131	4 839	48.5	3 933	3 172	761	19.3
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD								
FOOD PREPARATION AND SERVICE OCCUPATIONS	2 433 728	999 335	1 434 393	58.9	1 878 538	842 810	1 035 728	55.1
SUPERVISORS, FOOD PREP. & SERVICE OCCUPATIONS	1 003 103	396 326	606 777	60.5	766 441	306 817	459 624	60.0
BARTENDERS	64 538	35 436	29 102	45.1	37 978	23 594	14 384	37.9
WAITERS AND WAITRESSES	71 971	51 295	20 676	28.7	64 119	58 170	5 949	9.3
COOKS, EXCEPT SHORT ORDER	322 524	45 885	276 639	85.8	268 990	35 356	233 634	86.9
SHORT-ORDER COOKS	219 157	118 858	100 299	45.8	129 320	63 916	65 404	50.6
FOOD COUNTER, FOUNTAIN AND RELATED OCCUPATIONS	21 035	14 238	6 797	32.3	26 061	19 716	6 345	24.3
KITCHEN WORKERS, FOOD PREPARATION	44 241	10 852	33 389	75.5	45 682	22 594	23 088	50.5
WAITERS/WAITRESSES' ASSISTANTS	22 958	6 843	16 115	70.2	18 160	1 962	16 198	89.2
MISCELLANEOUS FOOD PREPARATION OCCUPATIONS	53 845	29 233	24 612	45.7	32 972	21 214	11 758	35.7
HEALTH SERVICE OCCUPATIONS	182 834	83 686	99 148	54.2	143 159	60 295	82 864	57.9
DENTAL ASSISTANTS	438 586	58 108	380 478	86.8	287 516	40 146	247 370	86.0
HEALTH AIDES, EXCEPT NURSING	34 274	659	33 615	98.1	23 972	570	23 402	97.6
NURSING AIDES, ORDERLIES, AND ATTENDANTS	75 951	13 385	62 566	82.4	31 513	5 478	26 035	82.6
CLEANING AND BUILDING SERVICE OCCUPATIONS, EXCEPT HOUSEHOLD	328 361	44 064	284 297	86.6	232 031	34 098	197 933	85.3
SUPERVISORS, CLEANING AND BLDG. SERVICE WORKERS	628 124	446 117	182 007	29.0	544 425	389 407	155 018	28.5
MAIDS AND HOUSEMEN	27 715	21 791	5 924	21.4	14 334	10 101	4 233	29.5
JANITORS AND CLEANERS	151 474	61 760	89 714	59.2	113 504	8 934	104 570	92.1
ELEVATOR OPERATORS	432 217	347 391	84 826	19.6	392 150	348 930	43 220	11.0
PEST CONTROL OCCUPATIONS	11 177	9 849	1 328	11.9	19 382	16 387	2 995	15.5
PERSONAL SERVICE OCCUPATIONS	5 541	5 326	215	3.9	5 055	5 055	0	.0
SUPERVISORS, PERSONAL SERVICE OCCUPATIONS	363 915	98 784	265 131	72.9	280 156	106 440	173 716	62.0
BARBERS	5 910	3 480	2 430	41.1	3 500	2 070	1 430	40.9
HAIRDRESSERS AND COSMETOLOGISTS	21 713	19 963	1 750	8.1	42 158	40 766	1 392	3.3
ATTENDANTS, AMUSEMENT AND RECREATION FACILITIES	113 346	21 113	92 233	81.4	114 552	20 616	93 936	82.0
GUIDES	19 004	12 050	6 954	36.6	12 316	9 311	3 005	24.4
USHERS	6 752	2 562	4 190	62.1	2 468	1 658	810	32.8
PUBLIC TRANSPORTATION ATTENDANTS	6 003	4 259	1 744	29.1	6 272	4 568	1 704	27.2
BAGGAGE PORTERS AND BELLHOPS	15 678	5 540	10 138	64.7	14 345	5 756	8 589	59.9
WELFARE SERVICE AIDES	3 670	3 378	292	8.0	4 246	4 107	139	3.3
CHILD CARE WORKERS, EXCEPT PRIVATE HOUSEHOLD	28 362	2 136	26 226	92.5	6 499	1 024	5 475	84.2
PERSONAL SERVICE OCCUPATIONS, N.E.C.	93 763	9 022	84 741	90.4	33 865	3 437	30 428	89.9
FARMING, FORESTRY, AND FISHING OCCUPATIONS	49 714	15 281	34 433	69.3	39 935	13 127	26 808	67.1
FARM OPERATORS AND MANAGERS	307 981	259 296	48 685	15.8	303 427	271 600	31 827	10.5
FARMERS, EXCEPT HORTICULTURAL	97 042	84 820	12 222	12.6	106 834	97 652	9 182	8.6
HORTICULTURAL SPECIALTY FARMERS	80 466	70 077	10 389	12.9	96 538	88 507	8 031	8.3
MANAGERS, FARMS, EXCEPT HORTICULTURAL	2 708	2 468	240	8.9	1 319	668	651	49.4
MANAGERS, HORTICULTURAL SPECIALTY FARMS	11 168	9 790	1 378	12.3	8 840	8 340	500	5.7
FARM OCCUPATIONS, EXCEPT MANAGERIAL	2 700	2 485	215	8.0	137	137	0	.0
SUPERVISORS, FARM WORKERS	85 360	63 858	21 502	25.2	90 077	74 212	15 865	17.6
FARM WORKERS	3 737	3 050	687	18.4	3 006	2 676	330	11.0
MARINE LIFE CULTIVATION WORKERS	72 926	55 644	17 282	23.7	82 722	69 165	13 557	16.4
NURSERY WORKERS	54	38	16	29.6	0	0	0	.0
RELATED AGRICULTURAL OCCUPATIONS	8 643	5 126	3 517	40.7	4 349	2 371	1 978	45.5
SUPERVISORS, RELATED AGRICULTURAL OCCUPATIONS	94 673	80 862	13 811	14.6	86 890	80 871	6 019	6.9
GROUNDSCAPEKEEPERS AND GARDENERS, EXCEPT FARM	5 289	5 064	225	4.3	8 161	8 039	122	1.5
ANIMAL CARETAKERS, EXCEPT FARM	72 692	68 856	3 836	5.3	66 950	65 417	1 533	2.3
GRADERS AND SORTERS, AGRICULTURAL PRODUCTS	15 103	6 464	8 639	57.2	9 541	6 364	3 177	33.3
INSPECTORS, AGRICULTURAL PRODUCTS	1 495	411	1 084	72.5	2 238	1 051	1 187	53.0
	94	67	27	28.7	0	0	0	.0

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	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
NORTHEAST								
FARMING, FORESTRY, AND FISHING OCCUPATIONS--CON.								
FORESTRY AND LOGGING OCCUPATIONS	17 689	17 072	617	3.5	11 365	10 891	474	4.2
SUPERVISORS, FORESTRY AND LOGGING WORKERS.	432	421	11	2.5	543	543	0	.0
FORESTRY WORKERS, EXCEPT LOGGING	2 063	1 782	281	13.6	1 353	1 353	0	.0
TIMBER CUTTING AND LOGGING OCCUPATIONS	15 194	14 869	325	2.1	9 469	8 995	474	5.0
FISHERS, HUNTERS, AND TRAPPERS	13 217	12 684	533	4.0	8 261	7 974	287	3.5
CAPTAINS AND OTHER OFFICERS, FISHING VESSELS	1 245	1 196	49	3.9	1 206	1 104	102	8.5
FISHERS.	11 601	11 146	455	3.9	6 850	6 665	185	2.7
HUNTERS AND TRAPPERS	371	342	29	7.8	205	205	0	.0
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	2 731 257	2 521 432	209 825	7.7	2 729 090	2 524 160	204 930	7.5
MECHANICS AND REPAIRERS.	812 713	790 590	22 123	2.7	768 845	751 115	17 730	2.3
SUPERVISORS, MECHANICS AND REPAIRERS	35 087	34 268	819	2.3	31 387	30 343	1 044	3.3
MECHANICS AND REPAIRERS, EXCEPT SUPERVISORS.	777 626	756 322	21 304	2.7	737 458	720 772	16 686	2.3
VEHICLE AND MOBILE EQUIPMENT MECHS. & REPAIRERS.	324 563	321 532	3 031	.9	311 596	306 425	5 171	1.7
AUTOMOBILE MECHANICS	196 823	195 051	1 772	.9	189 962	187 833	2 129	1.1
BUS, TRUCK, AND STATIONARY ENGINE MECHANICS.	27 827	27 638	189	.7	19 329	18 913	416	2.2
AIRCRAFT MECHANICS	16 753	16 286	467	2.8	20 983	19 283	1 700	8.1
SMALL ENGINE REPAIRERS	6 573	6 497	76	1.2	7 598	7 491	107	1.4
AUTOMOBILE BODY AND RELATED REPAIRERS.	43 649	43 315	334	.8	25 514	25 238	276	1.1
HEAVY EQUIPMENT MECHANICS.	28 893	28 758	135	.5	42 975	42 482	493	1.1
FARM EQUIPMENT MECHANICS	4 045	3 987	58	1.4	5 235	5 185	50	1.0
INDUSTRIAL MACHINERY REPAIRERS	116 418	113 385	3 033	2.6	78 843	77 564	1 279	1.6
MACHINERY MAINTENANCE OCCUPATIONS.	8 073	7 826	247	3.1	13 618	13 126	492	3.6
ELECTRICAL AND ELECTRONIC EQUIPMENT REPAIRERS.	134 759	127 928	6 831	5.1	148 859	145 433	3 426	2.3
ELECTRONIC REPAIRERS, COMMUNICATIONS AND INDUSTRIAL EQUIPMENT.	33 485	31 906	1 579	4.7	36 061	34 939	1 122	3.1
DATA PROCESSING EQUIPMENT REPAIRERS.	13 355	12 296	1 059	7.9	8 709	8 444	265	3.0
HOUSEHOLD APPLIANCE AND POWER TOOL REPAIRERS	15 992	15 612	380	2.4	17 195	17 055	140	.8
TELEPHONE LINE INSTALLERS AND REPAIRERS.	12 318	12 062	256	2.1	13 447	13 021	426	3.2
TELEPHONE INSTALLERS AND REPAIRERS	53 852	50 651	3 201	5.9	65 693	64 220	1 473	2.2
MISCELLANEOUS ELECTRICAL AND ELECTRONIC EQUIPMENT REPAIRERS	5 757	5 401	356	6.2	7 754	7 754	0	.0
HEATING, AIR CONDITIONING, & REFRIG. MECHS.	36 036	35 790	246	.7	34 090	33 835	255	.7
MISCELLANEOUS MECHANICS AND REPAIRERS.	157 777	149 861	7 916	5.0	150 452	144 389	6 063	4.0
CAMERA, WATCH, & MUSICAL INSTR. REPAIRERS.	9 523	8 251	1 272	13.4	11 066	10 228	838	7.6
LOCKSMITHS AND SAFE REPAIRERS.	4 509	4 325	184	4.1	4 101	3 994	107	2.6
OFFICE MACHINE REPAIRERS	9 460	9 022	438	4.6	12 877	12 646	231	1.8
MECHANICAL CONTROLS AND VALVE REPAIRERS.	6 467	6 268	199	3.1	8 390	8 002	388	4.6
ELEVATOR INSTALLERS AND REPAIRERS.	6 483	6 417	66	1.0	5 585	5 585	0	.0
MILLWRIGHTS.	27 779	26 717	1 062	3.8	25 068	24 828	240	1.0
SPECIFIED MECHANICS AND REPAIRERS, N.E.C.	62 600	59 316	3 284	5.2	51 574	48 521	3 053	5.9
NOT SPECIFIED MECHANICS AND REPAIRERS.	30 956	29 545	1 411	4.6	31 791	30 585	1 206	3.8
CONSTRUCTION TRADES.	862 103	849 736	12 367	1.4	833 713	822 124	11 589	1.4
SUPERVISORS, CONSTRUCTION OCCUPATIONS.	134 358	132 667	1 691	1.3	114 021	112 963	1 058	.9
SUPERVISORS; BRICKMASTONS, STONEMASTONS, AND TILE SETTERS.	912	912	0	.0	2 023	2 023	0	.0
SUPERVISORS, CARPENTERS AND RELATED WORKERS.	7 471	7 414	57	.8	12 998	12 758	240	1.8
SUPERVISORS, ELECTRICIANS AND POWER TRANSMISSION INSTALLERS	7 519	7 475	44	.6	7 507	7 507	0	.0
SUPERVISORS; PAINTERS, PAPERHANGERS, AND PLASTERERS.	2 148	2 142	6	.3	2 780	2 743	37	1.3
SUPERVISORS; PLUMBERS, PIPEFITTERS, AND STEAMFITTERS.	3 652	3 644	8	.2	7 177	7 177	0	.0
SUPERVISORS, N.E.C.	112 656	111 080	1 576	1.4	81 536	80 755	781	1.0
CONSTRUCTION TRADES, EXCEPT SUPERVISORS.	727 745	717 069	10 676	1.5	719 692	709 161	10 531	1.5
BRICKMASTONS & STONEMASTONS.	43 292	42 884	408	.9	47 911	47 431	480	1.0
TILE SETTERS, HARD AND SOFT	4 825	4 741	84	1.7	7 174	7 101	73	1.0
CARPET INSTALLERS.	13 931	13 790	141	1.0	12 264	12 141	123	1.0
CARPENTERS	232 849	230 172	2 677	1.1	208 214	206 416	1 798	.9
DRYWALL INSTALLERS	9 618	9 450	168	1.7	9 012	8 891	121	1.3
ELECTRICIANS	122 072	120 365	1 707	1.4	116 991	114 964	2 027	1.7
ELECTRICAL POWER INSTALLERS AND REPAIRERS.	20 782	20 568	214	1.0	20 911	20 642	269	1.3
PAINTERS, CONSTRUCTION AND MAINTENANCE	76 452	73 774	2 678	3.5	82 825	80 573	2 252	2.7
PAPERHANGERS	3 994	3 722	272	6.8	3 798	3 604	194	5.1
PLASTERERS	4 427	4 364	63	1.4	7 181	7 144	37	.5
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS.	102 951	101 903	1 048	1.0	101 379	100 390	989	1.0
CONCRETE AND TERRAZZO FINISHERS.	5 855	5 794	61	1.0	13 503	13 355	148	1.1
GLAZIERS	6 363	6 139	224	3.5	5 197	5 003	194	3.7
INSULATION WORKERS	8 957	8 571	386	4.3	4 938	4 938	0	.0
PAVING, SURFACING, AND TAMPING EQUIPMENT OPERATORS	1 489	1 455	34	2.3	1 444	1 444	0	.0
ROOFERS.	22 812	22 729	83	.4	16 151	15 990	161	1.0

Detailed Occupation of the Experienced Civilian Labor Force by Sex: 1980 and 1970-Con.

(DATA BASED ON SAMPLE; SEE TEXT. FOR DEFINITIONS OF TERMS AND MEANING OF SYMBOLS, SEE TEXT.)

UNITED STATES REGIONS	1980				1970			
	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
NORTHEAST								
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS--CON.								
CONSTRUCTION TRADES, EXCEPT SUPERVISORS--CON.								
SHEETMETAL DUCT INSTALLERS	4 338	4 288	50	1.2	4 123	4 123	0	.0
STRUCTURAL METAL WORKERS	14 951	14 868	83	.6	19 948	19 728	220	1.1
DRILLERS, EARTH.	3 676	3 622	54	1.5	4 748	3 818	930	19.6
CONSTRUCTION TRADES, N.E.C.	24 111	23 870	241	1.0	31 980	31 465	515	1.6
EXTRACTIVE OCCUPATIONS	24 157	23 608	549	2.3	26 954	26 221	733	2.7
SUPERVISORS, EXTRACTIVE OCCUPATIONS.	5 077	4 981	96	1.9	11 516	11 516	0	.0
DRILLERS, OIL WELL	1 445	1 416	29	2.0	4 633	4 633	0	.0
EXPLOSIVES WORKERS	1 544	1 479	65	4.2	3 389	3 349	40	1.2
MINING MACHINE OPERATORS	11 589	11 330	259	2.2	3 489	3 489	0	.0
MINING OCCUPATIONS, N.E.C.	4 502	4 402	100	2.2	3 927	3 234	693	17.6
PRECISION PRODUCTION OCCUPATIONS	1 032 284	857 498	174 786	16.9	1 099 578	924 700	174 878	15.9
SUPERVISORS, PRODUCTION OCCUPATIONS.	437 691	369 659	68 032	15.5	405 976	360 101	45 875	11.3
PRECISION METALWORKING OCCUPATIONS	260 269	241 777	18 492	7.1	275 529	263 010	12 519	4.5
TOOL AND DIE MAKERS.	48 673	47 998	675	1.4	57 801	57 006	795	1.4
PRECISION ASSEMBLERS, METAL.	4 391	3 438	953	21.7	14 357	10 112	4 245	29.6
MACHINISTS	137 850	131 157	6 693	4.9	129 764	126 053	3 711	2.9
BOILERMAKERS	7 423	7 340	83	1.1	7 678	7 583	95	1.2
PRECISION GRINDERS, FILERS, & TOOL SHARPENERS.	4 064	3 836	228	5.6	7 525	7 342	183	2.4
PATTERNMAKERS AND MODEL MAKERS, METAL.	6 077	5 134	943	15.5	9 120	8 495	625	6.9
LAY-OUT WORKERS.	5 022	4 489	533	10.6	3 555	3 520	35	1.0
PRECIOUS STONES AND METALS WORKERS (JEWELERS).	17 145	10 675	6 470	37.7	7 979	6 093	1 886	23.6
ENGRAVERS, METAL	4 191	2 911	1 280	30.5	4 016	3 454	562	14.0
SHEET METAL WORKERS.	24 914	24 437	477	1.9	33 551	33 169	382	1.1
MISCELLANEOUS PRECISION METAL WORKERS.	519	362	157	30.3	183	183	0	.0
PRECISION WOODWORKING OCCUPATIONS.	21 883	19 989	1 894	8.7	25 798	24 468	1 330	5.2
PATTERNMAKERS AND MODEL MAKERS, WOOD	993	955	38	3.8	2 143	2 143	0	.0
CABINET MAKERS AND BENCH CARPENTERS.	13 788	13 205	583	4.2	16 797	16 225	572	3.4
FURNITURE AND WOOD FINISHERS	5 781	4 749	1 032	17.9	6 858	6 100	758	11.1
MISCELLANEOUS PRECISION WOODWORKERS.	1 321	1 080	241	18.2	0	0	0	.0
PRECISION TEXTILE, APPAREL, AND FURNISHINGS								
MACHINE WORKERS	65 229	36 069	29 160	44.7	86 899	53 097	33 802	38.9
DRESSMAKERS.	19 169	1 407	17 762	92.7	26 976	2 647	24 329	90.2
TAILORS.	22 257	16 968	5 289	23.8	30 891	25 287	5 604	18.1
UPHOLSTERERS	10 123	8 830	1 293	12.8	11 418	10 403	1 015	8.9
SHOE REPAIRERS	9 190	6 535	2 655	28.9	13 163	11 694	1 469	11.2
APPAREL AND FABRIC PATTERNMAKERS	1 728	938	790	45.7	412	412	0	.0
MISC. PRECISION APPAREL AND FABRIC WORKERS	2 762	1 391	1 371	49.6	4 039	2 654	1 385	34.3
PRECISION WORKERS, ASSORTED MATERIALS.	76 680	46 038	30 642	40.0	98 008	46 911	51 097	52.1
HAND MOLDS AND SHAPERS, EXCEPT JEWELERS.	10 186	8 756	1 430	14.0	14 256	12 602	1 654	11.6
PATTERNMAKERS, LAY-OUT WORKERS, AND CUTTERS.	1 876	1 434	442	23.6	1 040	711	329	31.6
OPTICAL GOODS WORKERS.	12 262	8 012	4 250	34.7	10 022	7 594	2 428	24.2
DENTAL LAB. & MEDICAL APPLIANCE TECHNICIANS.	11 569	8 476	3 093	26.7	8 377	6 928	1 449	17.3
BOOKBINDERS.	8 095	4 200	3 895	48.1	9 965	5 004	4 961	49.8
ELECTRICAL AND ELECTRONIC EQUIPMENT ASSEMBLERS	22 403	6 554	15 849	70.7	48 865	9 086	39 779	81.4
MISCELLANEOUS PRECISION WORKERS, N.E.C.	10 289	8 606	1 683	16.4	5 483	4 986	497	9.1
PRECISION FOOD PRODUCTION OCCUPATIONS.	96 963	80 076	16 887	17.4	103 972	93 234	10 738	10.3
BUTCHERS AND MEAT CUTTERS.	57 667	52 735	4 932	8.6	69 146	65 148	3 998	5.8
BAKERS	33 588	23 651	9 937	29.6	30 099	25 187	4 912	16.3
FOOD BATCHMAKERS	5 708	3 690	2 018	35.4	4 727	2 899	1 828	38.7
PRECISION INSPECTORS, TESTERS, & RELATED WORKERS	25 834	17 625	8 209	31.8	56 788	37 700	19 088	33.6
INSPECTORS, TESTERS, AND GRADERS	24 742	17 313	7 429	30.0	54 920	37 700	17 220	31.4
ADJUSTERS AND CALIBRATORS.	1 092	312	780	71.4	1 868	0	1 868	100.0
PLANT AND SYSTEM OPERATORS	47 735	46 265	1 470	3.1	46 608	46 179	429	.9
WATER AND SEWAGE TREATMENT PLANT OPERATORS	7 396	7 235	161	2.2	4 012	4 012	0	.0
POWER PLANT OPERATORS.	4 561	4 322	239	5.2	4 728	4 593	135	2.9
STATIONARY ENGINEERS	28 589	28 022	567	2.0	32 111	31 817	294	.9
MISCELLANEOUS PLANT AND SYSTEM OPERATORS	7 189	6 686	503	7.0	5 757	5 757	0	.0
OPERATORS, FABRICATORS, AND LABORERS	4 272 075	2 983 731	1 288 344	30.2	4 416 461	3 100 319	1 316 142	29.8
MACHINE OPERATORS, ASSEMBLERS, & INSPECTORS.	2 319 131	1 322 892	996 239	43.0	2 463 130	1 396 531	1 066 599	43.3
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION.	1 602 238	929 025	673 213	42.0	1 876 770	1 062 668	814 102	43.4
METALWORKING & PLASTIC WORKING MACH. OPERATORS	185 065	156 596	28 469	15.4	219 134	181 029	38 105	17.4
LATHE AND TURNING MACHINE SET-UP OPERATORS	14 249	13 446	803	5.6	18 784	18 096	688	3.7
LATHE AND TURNING MACHINE OPERATORS.	31 569	28 711	2 858	9.1	36 814	32 456	4 358	11.8
MILLING AND PLANING MACHINE OPERATORS.	6 982	6 389	593	8.5	2 165	2 165	0	.0
PUNCHING AND STAMPING PRESS MACHINE OPERATORS	29 518	20 065	9 453	32.0	42 757	27 058	15 699	36.7
ROLLING MACHINE OPERATORS.	6 002	5 545	457	7.6	8 830	8 465	365	4.1
DRILLING AND BORING MACHINE OPERATORS.	16 088	13 396	2 692	16.7	28 052	22 793	5 259	18.7
GRINDING, ABRADING, BUFFING, AND POLISHING MACHINE OPERATORS	68 887	58 544	10 343	15.0	67 278	57 632	9 646	14.3

Detailed Occupation of the Experienced Civilian Labor Force by Sex: 1980 and 1970—Con.

(DATA BASED ON SAMPLE; SEE TEXT. FOR DEFINITIONS OF TERMS AND MEANING OF SYMBOLS, SEE TEXT)

UNITED STATES
REGIONS

NORTHEAST

OPERATORS, FABRICATORS, AND LABORERS--CON.

MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS--CON. MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION--CON.

	1980				1970			
	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
FORGING MACHINE OPERATORS.	4 117	3 870	247	6.0	4 981	4 727	254	5.1
NUMERICAL CONTROL MACHINE OPERATORS.	853	805	48	5.6	155	155	0	.0
MISCELLANEOUS METAL, PLASTIC, STONE, AND GLASS WORKING MACHINE OPERATORS.	6 800	5 825	975	14.3	9 318	7 482	1 836	19.7
FABRICATING MACHINE OPERATORS, N.E.C..	8 092	5 150	2 942	36.4	17 235	11 653	5 582	32.4
METAL AND PLASTIC PROCESSING MACHINE OPERATORS MOLDING AND CASTING MACHINE OPERATORS.	60 126	45 296	14 830	24.7	78 482	59 198	19 284	24.6
METAL PLATING MACHINE OPERATORS.	38 204	25 506	12 698	33.2	51 308	33 742	17 566	34.2
HEAT TREATING EQUIPMENT OPERATORS.	12 221	10 771	1 450	11.9	11 845	10 414	1 431	12.1
MISCELLANEOUS METAL AND PLASTIC PROCESSING MACHINE OPERATORS.	6 753	6 417	336	5.0	9 734	9 447	287	2.9
WOODWORKING MACHINE OPERATORS.	2 948	2 602	346	11.7	5 595	5 595	0	.0
WOOD LATHE, ROUTING, & PLANING MACH. OPERATORS.	22 990	19 677	3 313	14.4	23 745	20 996	2 749	11.6
SAWING MACHINE OPERATORS.	1 255	1 146	109	8.7	1 271	1 271	0	.0
SHAPING AND JOINING MACHINE OPERATORS.	13 727	12 213	1 514	11.0	15 981	14 332	1 649	10.3
NAILING AND TACKING MACHINE OPERATORS.	1 451	910	541	37.3	882	567	315	35.7
MISCELLANEOUS WOODWORKING MACHINE OPERATORS.	833	451	382	45.9	1 613	1 189	424	26.3
PRINTING MACHINE OPERATORS.	5 724	4 957	767	13.4	3 998	3 637	361	9.0
PRINTING MACHINE OPERATORS.	119 932	94 494	25 438	21.2	122 094	109 174	12 920	10.6
PHOTOENGRAVERS AND LITHOGRAPHERS.	82 692	72 112	10 580	12.8	76 816	70 174	6 642	8.6
TYPESETTERS AND COMPOSITORS.	6 432	5 514	918	14.3	10 420	9 292	1 128	10.8
MISCELLANEOUS PRINTING MACHINE OPERATORS.	19 703	11 210	8 493	43.1	27 036	23 615	3 421	12.7
TEXTILE, APPAREL, & FURNISHINGS MACH. OPERATORS.	11 105	5 658	5 447	49.0	7 822	6 093	1 729	22.1
WINDING AND TWISTING MACHINE OPERATORS.	434 799	85 218	349 581	80.4	653 754	144 254	509 500	77.9
KNITTING, LOOPING, TAPING, AND WEAVING MACHINE OPERATORS.	11 648	3 009	8 639	74.2	22 322	4 792	17 530	78.5
TEXTILE CUTTING MACHINE OPERATORS.	13 712	6 969	6 743	49.2	23 400	13 157	10 243	43.8
TEXTILE SEWING MACHINE OPERATORS.	3 322	1 910	1 412	42.5	3 203	1 086	2 117	66.1
SHOE MACHINE OPERATORS.	271 769	17 279	254 490	93.6	375 790	24 731	351 059	93.4
PRESSING MACHINE OPERATORS.	33 249	9 356	23 893	71.9	61 444	20 195	41 249	67.1
LAUNDERING AND DRY CLEANING MACHINE OPERATORS.	32 964	14 332	18 632	56.5	58 551	23 987	34 564	59.0
MISCELLANEOUS TEXTILE MACHINE OPERATORS.	41 295	16 833	24 462	59.2	48 773	21 701	27 072	55.5
MACHINE OPERATORS, ASSORTED MATERIALS.	26 840	15 530	11 310	42.1	60 271	34 605	25 666	42.6
CEMENTING AND GLUING MACHINE OPERATORS.	771 234	522 594	248 640	32.2	762 326	536 364	225 962	29.6
PACKAGING AND FILLING MACHINE OPERATORS.	8 393	3 489	4 904	58.4	19 318	8 095	11 223	58.1
EXTRUDING AND FORMING MACHINE OPERATORS.	23 904	10 790	13 114	54.9	39 315	22 098	17 217	43.8
MIXING AND BLENDING MACHINE OPERATORS.	6 397	5 622	775	12.1	7 768	6 182	1 586	20.4
SEPARATING, FILTERING, AND CLARIFYING MACHINE OPERATORS.	26 456	24 151	2 305	8.7	37 537	35 326	2 211	5.9
COMPRESSING & COMPACTING MACHINE OPERATORS.	19 146	17 861	1 285	6.7	14 194	13 617	577	4.1
PAINTING AND PAINT SPRAYING MACH. OPERATORS.	5 228	3 564	1 664	31.8	8 963	5 995	2 968	33.1
ROASTING & BAKING MACH. OPERATORS, FOOD.	33 945	28 335	5 610	16.5	40 705	33 853	6 852	16.8
WASHING, CLEANING, & PICKLING MACHINE OPERATORS.	1 445	1 207	238	16.5	2 120	2 120	0	.0
FOLDING MACHINE OPERATORS.	1 798	1 371	427	23.7	2 511	2 400	111	4.4
FURNACE, KILN, AND OVEN OPERATORS, EXC. FOOD.	9 294	3 515	5 779	62.2	10 705	3 234	7 471	69.8
CRUSHING AND GRINDING MACHINE OPERATORS.	36 603	35 130	1 473	4.0	52 178	48 053	4 125	7.9
SLICING AND CUTTING MACHINE OPERATORS.	10 423	9 558	865	8.3	13 256	12 823	433	3.3
MOTION PICTURE PROJECTIONISTS.	53 748	37 951	15 797	29.4	67 602	48 023	19 579	29.0
PHOTOGRAPHIC PROCESS MACHINE OPERATORS.	3 736	3 378	358	9.6	3 984	3 765	219	5.5
MISC. AND NOT SPECIFIED MACHINE OPERATORS.	21 693	11 692	10 001	46.1	20 186	11 779	8 407	41.6
OCCUPATION: MISCELLANEOUS MACHINE OPERATORS, N.E.C..	509 025	324 980	184 045	36.2	421 984	279 001	142 983	33.9
MACHINE OPERATORS, NOT SPECIFIED.	136 449	89 748	46 701	34.2	312 151	213 193	98 958	31.7
INDUSTRY: MANUFACTURING.	372 576	235 232	137 344	36.9	109 833	65 808	44 025	40.1
NONDURABLE GOODS.	459 945	292 090	167 855	36.5	393 779	258 466	135 313	34.4
DURABLE GOODS.	179 967	106 409	73 558	40.9	148 877	99 205	49 672	33.4
NONMANUFACTURING INDUSTRIES.	279 978	185 681	94 297	33.7	244 902	159 261	85 641	35.0
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS.	49 080	32 890	16 190	33.0	28 205	20 535	7 670	27.2
WELDERS AND CUTTERS.	513 244	295 026	218 218	42.5	380 294	232 261	148 033	38.9
SOLDERERS AND BRAZERS.	124 967	116 857	8 110	6.5	114 079	104 849	9 230	8.1
ASSEMBLERS.	12 348	2 454	9 894	80.1	19 458	3 838	15 620	80.3
HAND CUTTING AND TRIMMING OCCUPATIONS.	352 952	161 930	191 022	54.1	225 891	110 856	115 035	50.9
HAND MOLDING, CASTING, AND FORMING OCCUPATIONS.	3 057	1 652	1 405	46.0	4 713	3 302	1 411	29.9
HAND PAINTING, COATING, & DECORATING OCCUPATIONS.	4 500	2 828	1 672	37.2	3 903	1 875	2 028	52.0
HAND ENGRAVING AND PRINTING OCCUPATIONS.	8 442	5 747	2 695	31.9	7 492	5 253	2 239	29.9
HAND GRINDING AND POLISHING OCCUPATIONS.	608	440	168	27.6	1 152	229	923	80.1
MISCELLANEOUS HAND WORKING OCCUPATIONS.	813	630	183	22.5	345	345	0	.0
	5 557	2 488	3 069	55.2	3 261	1 714	1 547	47.4

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UNITED STATES REGIONS	1980				1970			
	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
NORTHEAST								
OPERATORS, FABRICATORS, AND LABORERS--CON.								
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS--CON.								
PRODUCTION INSPS., TESTERS, SAMPLERS, AND WEIGHERS	203 649	98 841	104 808	51.5	206 066	101 602	104 464	50.7
PRODUCTION INSPECTORS, CHECKERS, AND EXAMINERS	168 645	79 929	88 716	52.6	169 436	83 435	86 001	50.8
PRODUCTION TESTERS	17 115	11 555	5 560	32.5	17 746	10 709	7 037	39.7
PRODUCTION SAMPLERS AND WEIGHERS	2 680	1 137	1 543	57.6	1 710	812	898	52.5
GRADERS AND SORTERS, EXC. AGRICULTURAL	15 209	6 220	8 989	59.1	17 174	6 646	10 528	61.3
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS. . .								
MOTOR VEHICLE OPERATORS.	944 619	871 079	73 540	7.8	906 091	870 846	35 245	3.9
SUPERVISORS, MOTOR VEHICLE OPERATORS	671 841	616 813	55 028	8.2	660 783	632 422	28 361	4.3
TRUCK DRIVERS, HEAVY	6 276	5 929	347	5.5	5 107	4 522	585	11.5
TRUCK DRIVERS, LIGHT	327 581	322 521	5 060	1.5	328 904	324 816	4 088	1.2
DRIVER-SALES WORKERS	129 181	124 837	4 344	3.4	106 830	103 552	3 278	3.1
BUS DRIVERS.	38 967	36 940	2 027	5.2	75 003	74 458	545	.7
TAXICAB DRIVERS AND CHAUFFEURS	97 864	59 230	38 634	39.5	71 382	54 185	17 197	24.1
PARKING LOT ATTENDANTS	62 160	58 065	4 095	6.6	64 956	62 545	2 411	3.7
MOTOR TRANSPORTATION OCCUPATIONS, N.E.C.	9 112	8 627	485	5.3	8 317	8 060	257	3.1
	700	664	36	5.1	284	284	0	.0
RAIL TRANSPORTATION OCCUPATIONS.								
RAILROAD CONDUCTORS AND YARDMASTERS.	35 335	34 823	512	1.4	51 436	50 834	602	1.2
LOCOMOTIVE OPERATING OCCUPATIONS	9 879	9 749	130	1.3	14 436	14 283	153	1.1
RAILROAD BRAKE, SIGNAL, AND SWITCH OPERATORS	15 809	15 571	238	1.5	17 870	17 631	239	1.3
RAIL VEHICLE OPERATORS, N.E.C.	7 001	6 932	69	1.0	18 266	18 056	210	1.1
	2 646	2 571	75	2.8	864	864	0	.0
WATER TRANSPORTATION OCCUPATIONS								
SHIP CAPTAINS AND MATES, EXCEPT FISHING BOATS.	13 011	12 674	337	2.6	14 595	14 415	180	1.2
SAILORS AND DECKHANDS.	4 778	4 694	84	1.8	5 473	5 411	62	1.1
MARINE ENGINEERS	6 345	6 147	198	3.1	7 172	7 054	118	1.6
BRIDGE, LOCK, AND LIGHTHOUSE TENDERS	658	650	8	1.2	0	0	0	.0
	1 230	1 183	47	3.8	1 950	1 950	0	.0
MATERIAL MOVING EQUIPMENT OPERATORS.								
SUPERVISORS, MATERIAL MOVING EQUIPMENT OPERATORS	224 432	206 769	17 663	7.9	179 277	173 175	6 102	3.4
OPERATING ENGINEERS.	5 537	5 353	184	3.3	3 141	3 141	0	.0
LONGSHORE EQUIPMENT OPERATORS.	39 658	39 341	317	.8	23 570	23 358	212	.9
HOIST AND WINCH OPERATORS.	873	855	18	2.1	4 783	4 783	0	.0
CRANE AND TOWER OPERATORS.	1 832	1 751	81	4.4	4 018	4 018	0	.0
EXCAVATING AND LOADING MACHINE OPERATORS	28 939	28 483	456	1.6	35 222	34 759	463	1.3
GRADER, DOZER, AND SCRAPER OPERATORS	13 701	13 465	236	1.7	13 277	13 277	0	.0
INDUSTRIAL TRUCK & TRACTOR EQUIPMENT OPERATORS	9 077	9 002	75	.8	18 947	18 690	257	1.4
MISC. MATERIAL MOVING EQUIPMENT OPERATORS.	72 819	70 482	2 337	3.2	57 684	56 899	785	1.4
	51 996	38 037	13 959	26.8	22 635	18 250	4 385	19.4
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS.								
SUPERVISORS, HANDLERS, EQUIPMENT CLEANERS, AND LABORERS, N.E.C.	1 008 325	789 760	218 565	21.7	1 047 240	832 942	214 298	20.5
HELPERS, MECHANICS AND REPAIRERS	745	708	37	5.0	425	425	0	.0
HELPERS, CONSTRUCTION AND EXTRACTIVE OCCUPATIONS	5 325	5 124	201	3.8	6 575	6 575	0	.0
HELPERS, CONSTRUCTION TRADES	25 525	24 736	789	3.1	24 245	24 207	38	.2
HELPERS, SURVEYOR.	21 160	20 566	594	2.8	20 996	20 996	0	.0
HELPERS, EXTRACTIVE OCCUPATIONS.	1 334	1 240	94	7.0	1 981	1 943	38	1.9
CONSTRUCTION LABORERS.	3 031	2 930	101	3.3	1 268	1 268	0	.0
PRODUCTION HELPERS	137 590	135 307	2 283	1.7	130 784	128 770	2 014	1.5
	29 088	24 288	4 800	16.5	37 551	29 465	8 086	21.5
FREIGHT, STOCK, AND MATERIAL HANDLERS.								
GARBAGE COLLECTORS	289 056	251 523	37 533	13.0	321 987	293 893	28 094	8.7
STEVEDORES	20 499	20 128	371	1.8	23 632	23 345	287	1.2
STOCK HANDLERS AND BAGGERS	6 505	6 434	71	1.1	14 352	14 088	264	1.8
MACHINE FEEDERS AND OFFBEARERS	141 640	116 194	25 446	18.0	124 192	110 536	13 656	11.0
FREIGHT, STOCK, AND MATERIAL HANDLERS, N.E.C.	18 661	11 665	6 996	37.5	26 330	19 845	6 485	24.6
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	101 751	97 102	4 649	4.6	133 481	126 079	7 402	5.5
VEHICLE WASHERS AND EQUIPMENT CLEANERS	59 990	56 599	3 391	5.7	75 223	73 315	1 908	2.5
HAND PACKERS AND PACKAGERS	26 404	22 657	3 747	14.2	31 319	28 946	2 373	7.6
	177 619	58 226	119 393	67.2	196 027	60 327	135 700	69.2
LABORERS, EXCEPT CONSTRUCTION.								
MANUFACTURING.	256 983	210 592	46 391	18.1	223 104	187 019	36 085	16.2
NONDURABLE GOODS	128 977	99 885	29 092	22.6	108 574	89 011	19 563	18.0
DURABLE GOODS.	51 516	36 091	15 425	29.9	44 648	31 630	13 018	29.2
TRANS., COMMUNICATIONS, & OTHER PUB. UTILITIES.	77 461	63 794	13 667	17.6	63 926	57 381	6 545	10.2
WHOLESALE AND RETAIL TRADE	30 143	28 448	1 695	5.6	25 231	24 389	842	3.3
ALL OTHER INDUSTRIES	59 182	49 580	9 602	16.2	52 267	42 138	10 129	19.4
	38 681	32 679	6 002	15.5	37 032	31 481	5 551	15.0
EXPERIENCED UNEMPLOYED NOT CLASSIFIED BY OCCUPATION.								
	96 625	36 233	60 392	62.5	27 879	10 933	16 946	60.8

Detailed Occupation of the Experienced Civilian Labor Force by Sex: 1980 and 1970-Con.

(DATA BASED ON SAMPLE; SEE TEXT, FOR DEFINITIONS OF TERMS AND MEANING OF SYMBOLS, SEE TEXT)

UNITED STATES REGIONS	1980				1970			
	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
NORTH CENTRAL								
EXPERIENCED CIVILIAN LABOR FORCE, 16 YEARS AND OVER	27 451 994	15 916 277	11 535 717	42.0	22 535 875	14 164 371	8 371 504	37.1
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS.	5 537 138	3 294 711	2 242 427	40.5	3 881 185	2 561 057	1 320 128	34.0
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS.	2 509 340	1 784 110	725 230	28.9	1 566 997	1 291 382	275 615	17.6
LEGISLATORS, CHIEF EXECUTIVES AND GENERAL ADMINISTRATORS, PUBLIC ADMINISTRATION	10 596	7 928	2 668	25.2	2 536	2 536	0	.0
ADMINISTRATORS & OFFICIALS, PUBLIC ADMINISTRATION.	63 213	40 113	23 100	36.5	56 662	42 879	13 783	24.3
ADMINISTRATORS, PROTECTIVE SERVICES.	7 090	6 381	709	10.0	6 126	6 126	0	.0
FINANCIAL MANAGERS	95 900	67 325	28 575	29.8	57 713	47 034	10 679	18.5
PERSONNEL AND LABOR RELATIONS MANAGERS	52 086	34 039	18 047	34.6	16 728	13 600	3 128	18.7
PURCHASING MANAGERS.	17 502	14 242	3 260	18.6	12 225	11 179	1 046	8.6
MANAGERS, MARKETING, ADVERTISING, & PUB RELATIONS.	181 188	152 654	28 534	15.7	124 710	115 045	9 665	7.7
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	96 361	63 253	33 108	34.4	60 286	45 349	14 937	24.8
MANAGERS, MEDICINE AND HEALTH.	28 761	14 517	14 244	49.5	16 630	6 173	10 457	62.9
MANAGERS, PROPERTIES AND REAL ESTATE	34 053	19 298	14 755	43.3	22 118	16 350	5 768	26.1
POSTMASTERS AND MAIL SUPERINTENDENTS	9 393	5 725	3 668	39.1	11 049	8 146	2 903	26.3
FUNERAL DIRECTORS.	11 193	10 193	1 000	8.9	11 415	10 610	805	7.1
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED.	1 147 999	856 621	291 378	25.4	597 379	509 513	87 866	14.7
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	136 390	98 701	37 689	27.6	123 536	106 643	16 893	13.7
MANAGEMENT RELATED OCCUPATIONS	617 615	393 120	224 495	36.3	447 884	350 199	97 685	21.8
ACCOUNTANTS AND AUDITORS	245 875	154 483	91 392	37.2	175 404	131 346	44 058	25.1
UNDERWRITERS	3 858	1 684	2 174	56.4	706	706	0	.0
OTHER FINANCIAL OFFICERS	93 770	55 021	38 749	41.3	49 678	37 189	12 489	25.1
MANAGEMENT ANALYSTS.	20 704	15 293	5 411	26.1	8 645	7 901	744	8.6
PERSONNEL, TNG., AND LABOR RELATIONS SPECIALISTS	102 567	58 016	44 551	43.4	64 041	44 799	19 242	30.0
PURCHASING AGENTS AND BUYERS, FARM PRODUCTS.	8 603	8 130	473	5.5	10 059	9 873	186	1.8
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS.	39 670	22 267	17 403	43.9	43 913	32 404	11 509	26.2
PURCHASING AGENTS AND BUYERS, N.E.C.	49 686	35 567	14 119	28.4	40 427	35 132	5 295	13.1
BUSINESS AND PROMOTION AGENTS.	3 998	2 701	1 297	32.4	3 346	2 798	548	16.4
CONSTRUCTION INSPECTORS.	10 667	10 235	432	4.0	11 801	11 722	79	.7
INSPECTORS & COMPLIANCE OFFICERS, EXCEPT CONSTR.	32 938	27 177	5 761	17.5	34 262	31 748	2 514	7.3
MANAGEMENT RELATED OCCUPATIONS, N.E.C.	5 279	2 546	2 733	51.8	5 602	4 581	1 021	18.2
PROFESSIONAL SPECIALTY OCCUPATIONS	3 027 798	1 510 601	1 517 197	50.1	2 314 188	1 269 675	1 044 513	45.1
ENGINEERS, ARCHITECTS, AND SURVEYORS	368 704	351 652	17 052	4.6	325 075	320 197	4 878	1.5
ARCHITECTS	21 940	20 554	1 386	6.3	12 223	11 832	391	3.2
ENGINEERS.	340 297	324 915	15 382	4.5	310 308	305 821	4 487	1.4
AEROSPACE.	11 482	11 180	302	2.6	10 100	9 951	149	1.5
METALLURGICAL AND MATERIALS.	8 894	8 348	546	6.1	9 081	9 024	57	.6
MINING	1 270	1 236	34	2.7	735	716	19	2.6
PETROLEUM.	1 253	1 219	34	2.7	809	785	24	3.0
CHEMICAL	13 341	12 570	771	5.8	12 608	12 483	125	1.0
NUCLEAR.	806	779	27	3.3	406	406	0	.0
CIVIL.	42 080	40 940	1 140	2.7	40 636	40 183	453	1.1
AGRICULTURAL	2 385	2 240	145	6.1	0	0	0	.0
ELECTRICAL AND ELECTRONIC.	65 296	62 165	3 131	4.8	61 954	61 005	949	1.5
INDUSTRIAL	59 033	53 623	5 410	9.2	57 482	56 346	1 136	2.0
MECHANICAL	75 283	73 702	1 581	2.1	59 414	58 882	532	.9
MARINE AND NAVAL ARCHITECTS.	1 398	1 354	44	3.1	3 465	3 465	0	.0
ENGINEERS, N.E.C.	57 776	55 559	2 217	3.8	53 618	52 575	1 043	1.9
SURVEYORS AND MAPPING SCIENTISTS	6 467	6 183	284	4.4	2 544	2 544	0	.0
MATHEMATICAL AND COMPUTER SCIENTISTS	69 753	51 926	17 827	25.6	49 608	42 324	7 284	14.7
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	44 725	34 738	9 987	22.3	26 142	22 731	3 411	13.0
OPERATIONS AND SYSTEMS RESEARCHERS AND ANALYSTS.	16 046	11 738	4 308	26.8	16 079	14 560	1 519	9.4
ACTUARIES.	2 484	1 872	612	24.6	1 322	1 052	270	20.4
STATISTICIANS.	5 901	3 052	2 849	48.3	5 068	3 225	1 843	36.4
MATHEMATICAL SCIENTISTS, N.E.C.	597	526	71	11.9	997	756	241	24.2
NATURAL SCIENTISTS	62 669	49 818	12 851	20.5	49 702	42 728	6 974	14.0
PHYSICISTS AND ASTRONOMERS	2 889	2 694	195	6.7	2 653	2 568	85	3.2
CHEMISTS, EXCEPT BIOCHEMISTS	26 272	21 726	4 546	17.3	26 373	23 517	2 856	10.8
ATMOSPHERIC AND SPACE SCIENTISTS	1 732	1 375	357	20.6	1 125	1 030	95	8.4
GEOLOGISTS AND GEODESISTS.	3 746	3 354	392	10.5	2 217	2 112	105	4.7
PHYSICAL SCIENTISTS, N.E.C.	1 468	1 107	361	24.6	2 235	1 191	1 044	46.9
AGRICULTURAL AND FOOD SCIENTISTS	6 105	4 765	1 340	21.9	5 159	4 545	614	11.9
BIOLOGICAL AND LIFE SCIENTISTS	9 423	6 419	3 004	31.9	6 315	3 865	2 450	38.8
FORESTRY AND CONSERVATION SCIENTISTS	6 032	5 323	709	11.8	4 799	4 578	221	4.6
MEDICAL SCIENTISTS	5 002	3 055	1 947	38.9	826	322	504	61.0
HEALTH DIAGNOSING OCCUPATIONS.	157 937	140 323	17 614	11.2	117 093	108 656	8 437	7.2
PHYSICIANS	100 954	87 802	13 152	13.0	72 899	66 376	6 523	8.9
DENTISTS	31 044	29 210	1 834	5.9	25 115	24 301	814	3.2
VETERINARIANS.	10 404	9 214	1 190	11.4	6 716	6 438	278	4.1
OPTOMETRISTS	7 463	6 875	588	7.9	5 600	5 381	219	3.9
PODIATRISTS	2 054	1 879	175	8.5	1 791	1 661	130	7.3
HEALTH DIAGNOSING PRACTITIONERS, N.E.C.	6 018	5 343	675	11.2	4 972	4 499	473	9.5

Detailed Occupation of the Experienced Civilian Labor Force by Sex: 1980 and 1970-Con.

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UNITED STATES REGIONS	1980				1970			
	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
NORTH CENTRAL								
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS--CON.								
PROFESSIONAL SPECIALTY OCCUPATIONS--CON.								
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	466 229	60 567	405 662	87.0	273 766	41 912	231 854	84.7
REGISTERED NURSES	348 384	12 324	336 060	96.5	204 486	4 898	199 588	97.6
PHARMACISTS	39 961	29 287	10 674	26.7	33 299	28 863	4 436	13.3
DIETITIANS	18 161	1 521	16 640	91.6	12 573	965	11 608	92.3
THERAPISTS	52 069	12 605	39 464	75.8	23 408	7 186	16 222	69.3
INHALATION THERAPISTS	13 877	5 258	8 619	62.1	2 574	1 752	822	31.9
OCCUPATIONAL THERAPISTS	5 633	387	5 246	93.1	3 166	701	2 465	77.9
PHYSICAL THERAPISTS	10 614	2 633	7 981	75.2	5 512	1 405	4 107	74.5
SPEECH THERAPISTS	10 893	1 207	9 686	88.9	5 481	349	5 132	93.6
THERAPISTS, N.E.C.	11 052	3 120	7 932	71.8	6 675	2 979	3 696	55.4
PHYSICIANS' ASSISTANTS	7 654	4 830	2 824	36.9	0	0	0	.0
TEACHERS, POSTSECONDARY	167 218	107 742	59 476	35.6	148 635	105 471	43 164	29.0
BIOLOGICAL SCIENCE TEACHERS	2 380	1 689	691	29.0	5 831	4 426	1 405	24.1
CHEMISTRY TEACHERS	2 425	1 985	440	18.1	4 977	4 395	582	11.7
PHYSICS TEACHERS	1 391	1 240	151	10.9	3 586	3 454	132	3.7
OTHER NATURAL SCIENCE TEACHERS	941	784	157	16.7	1 721	1 645	76	4.4
PSYCHOLOGY TEACHERS	1 430	891	539	37.7	3 607	2 184	1 423	39.5
ECONOMICS TEACHERS	1 365	1 124	241	17.7	3 210	2 957	253	7.9
HISTORY TEACHERS	1 315	995	320	24.3	4 685	3 855	830	17.7
OTHER SOCIAL SCIENCE TEACHERS	1 804	1 357	447	24.8	5 820	5 103	717	12.3
ENGINEERING TEACHERS	2 887	2 558	329	11.4	5 333	5 058	275	5.2
MATHEMATICAL AND COMPUTER SCIENCE TEACHERS	5 234	3 723	1 511	28.9	7 899	6 391	1 508	19.1
MEDICAL SCIENCE TEACHERS	2 566	1 988	578	22.5	2 641	2 641	0	.0
HEALTH SPECIALTIES TEACHERS	5 755	740	5 015	87.1	6 444	1 684	4 760	73.9
BUSINESS, COMMERCE, AND MARKETING TEACHERS	2 164	1 168	996	46.0	2 961	2 058	903	30.5
ART, DRAMA, AND MUSIC TEACHERS	7 791	4 028	3 763	48.3	12 645	7 674	4 971	39.3
ENGLISH TEACHERS	5 419	2 475	2 944	54.3	11 612	6 790	4 822	41.5
FOREIGN LANGUAGE TEACHERS	2 416	932	1 484	61.4	7 353	4 867	2 486	33.8
OTHER SPECIFIED TEACHERS	9 129	6 000	3 129	34.3	16 827	11 779	5 048	30.0
POSTSECONDARY TEACHERS, SUBJECT NOT SPECIFIED	110 806	74 065	36 741	33.2	41 483	28 510	12 973	31.3
TEACHERS, EXCEPT POSTSECONDARY	956 065	293 197	662 868	69.3	816 819	248 032	568 787	69.6
TEACHERS, PREKINDERGARTEN AND KINDERGARTEN	40 845	1 347	39 498	96.7	30 942	560	30 382	98.2
TEACHERS, ELEMENTARY SCHOOL	593 606	150 430	443 176	74.7	422 519	67 131	355 388	84.1
TEACHERS, SECONDARY SCHOOL	237 049	111 484	125 565	53.0	299 649	160 088	139 561	46.6
TEACHERS, SPECIAL EDUCATION	7 975	2 004	5 971	74.9	449	0	449	100.0
TEACHER, N.E.C.	76 590	27 932	48 658	63.5	63 260	20 253	43 007	68.0
COUNSELORS, EDUCATIONAL AND VOCATIONAL	47 920	22 814	25 106	52.4	33 122	19 782	13 340	40.3
LIBRARIANS, ARCHIVISTS, AND CURATORS	52 260	9 291	42 969	82.2	37 125	7 327	29 798	80.3
LIBRARIANS	49 085	7 778	41 307	84.2	35 503	6 175	29 328	82.6
ARCHIVISTS AND CURATORS	3 175	1 513	1 662	52.3	1 622	1 152	470	29.0
SOCIAL SCIENTISTS AND URBAN PLANNERS	47 264	29 964	17 300	36.6	26 091	20 597	5 494	21.1
ECONOMISTS	20 553	14 311	6 242	30.4	15 201	13 053	2 148	14.1
PSYCHOLOGISTS	21 114	11 808	9 306	44.1	7 717	4 918	2 799	36.3
SOCIOLOGISTS	567	304	263	46.4	224	133	91	40.6
SOCIAL SCIENTISTS, N.E.C.	2 010	1 299	711	35.4	836	620	216	25.8
URBAN PLANNERS	3 020	2 242	778	25.8	2 113	1 873	240	11.4
SOCIAL, RECREATION, AND RELIGIOUS WORKERS	218 087	120 258	97 829	44.9	144 051	95 910	48 141	33.4
SOCIAL WORKERS	115 508	38 621	76 887	66.6	56 568	20 661	35 907	63.5
RECREATION WORKERS	10 969	2 582	8 387	76.5	10 049	5 396	4 653	46.3
CLERGY	79 185	74 108	5 077	6.4	67 517	65 672	1 845	2.7
RELIGIOUS WORKERS, N.E.C.	12 425	4 947	7 478	60.2	9 917	4 181	5 736	57.8
LAWYERS AND JUDGES	117 866	102 750	15 116	12.8	70 297	67 160	3 137	4.5
LAWYERS	111 462	97 590	13 872	12.4	66 061	63 158	2 903	4.4
JUDGES	6 404	5 160	1 244	19.4	4 236	4 002	234	5.5
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	295 826	170 299	125 527	42.4	222 804	149 579	73 225	32.9
AUTHORS	6 189	3 011	3 178	51.3	4 523	3 269	1 254	27.7
TECHNICAL WRITERS	9 888	6 434	3 454	34.9	2 769	2 112	657	23.7
DESIGNERS	78 338	40 580	37 758	48.2	58 764	38 237	20 527	34.9
MUSICIANS AND COMPOSERS	28 829	18 273	10 556	36.6	24 562	14 216	10 346	42.1
ACTORS AND DIRECTORS	8 943	6 113	2 830	31.6	7 382	5 096	2 286	31.0
PAINTERS, SCULPTORS, CRAFT-ARTISTS, AND ARTIST PRINTMAKERS	32 005	16 582	15 423	48.2	21 900	13 412	8 488	38.8
PHOTOGRAPHERS	22 347	17 081	5 266	23.6	17 069	14 514	2 555	15.0
DANCERS	1 804	429	1 375	76.2	1 272	173	1 099	86.4
ARTISTS, PERFORMERS, AND RELATED WORKERS, N.E.C.	9 550	5 271	4 279	44.8	10 372	7 504	2 868	27.7
EDITORS AND REPORTERS	47 691	23 995	23 696	49.7	39 633	22 752	16 881	42.6
PUBLIC RELATIONS SPECIALISTS	26 730	13 970	12 760	47.7	19 095	14 422	4 673	24.5
ANNOUNCERS	12 102	9 992	2 110	17.4	6 570	6 134	436	6.6
ATHLETES	11 410	8 568	2 842	24.9	8 693	7 738	1 155	13.0

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UNITED STATES REGIONS	1980				1970			
	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
NORTH CENTRAL								
TECH., SALES, & ADMIN. SUPPORT OCCUPATIONS. . . .	7 787 302	2 674 574	5 112 728	65.7	6 263 376	2 491 236	3 772 140	-60.2
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS. . . .	750 942	401 483	349 459	46.5	477 436	306 517	170 919	35.8
HEALTH TECHNOLOGISTS AND TECHNICIANS.	270 202	37 722	232 480	86.0	151 357	23 981	127 376	84.2
CLINICAL LAB. TECHNOLOGISTS & TECHNICIANS.	68 718	15 273	53 445	77.8	35 676	8 433	27 243	76.4
DENTAL HYGIENISTS.	11 390	134	11 256	98.8	3 781	182	3 599	95.2
HEALTH RECORD TECHNOLOGISTS AND TECHNICIANS.	4 222	288	3 934	93.2	3 364	214	3 150	93.6
RADIOLOGIC TECHNICIANS.	27 073	6 247	20 826	76.9	16 102	4 836	11 266	70.0
LICENSED PRACTICAL NURSES.	119 770	2 965	116 805	97.5	73 929	2 608	71 321	96.5
HEALTH TECHNOLOGISTS AND TECHNICIANS, N.E.C.. . . .	39 029	12 815	26 214	67.2	18 505	7 708	10 797	58.3
ENGR. AND RELATED TECHNOLOGISTS AND TECHNICIANS.	226 359	192 648	33 711	14.9	201 644	185 691	15 953	7.9
ELECTRICAL AND ELECTRONIC TECHNICIANS.	51 840	46 214	5 626	10.9	29 971	28 169	1 802	6.0
INDUSTRIAL ENGINEERING TECHNICIANS.	2 693	2 139	554	20.6	4 214	3 279	935	22.2
MECHANICAL ENGINEERING TECHNICIANS.	5 201	4 925	276	5.3	5 690	5 467	223	3.9
ENGINEERING TECHNICIANS, N.E.C.. . . .	66 746	52 187	14 559	21.8	56 657	49 986	6 671	11.8
DRAFTING OCCUPATIONS.	90 807	79 082	11 725	12.9	95 915	90 034	5 881	6.1
SURVEYING AND MAPPING TECHNICIANS.	9 072	8 101	971	10.7	9 197	8 756	441	4.8
SCIENCE TECHNICIANS.	48 784	32 715	16 069	32.9	37 361	28 724	8 637	23.1
BIOLOGICAL TECHNICIANS.	14 943	8 783	6 160	41.2	12 740	8 639	4 101	32.2
CHEMICAL TECHNICIANS.	17 387	13 397	3 990	22.9	15 444	13 208	2 236	14.5
SCIENCE TECHNICIANS, N.E.C.. . . .	16 454	10 535	5 919	36.0	9 177	6 877	2 300	25.1
TECHNICIANS; EXC. HEALTH, ENGINEERING, & SCIENCE.	205 597	138 398	67 199	32.7	87 074	68 121	18 953	21.8
AIRPLANE PILOTS AND NAVIGATORS.	13 088	12 932	156	1.2	10 956	10 739	217	2.0
AIR TRAFFIC CONTROLLERS.	8 947	7 625	1 322	14.8	5 698	5 412	286	5.0
BROADCAST EQUIPMENT OPERATORS.	18 446	9 241	9 205	49.9	9 269	7 014	2 255	24.3
COMPUTER PROGRAMMERS.	76 061	52 406	23 655	31.1	39 060	30 471	8 589	22.0
TOOL PROGRAMMERS, NUMERICAL CONTROL.	2 305	1 771	534	23.2	991	867	124	12.5
LEGAL ASSISTANTS.	15 235	4 157	11 078	72.7	4 819	1 873	2 946	61.1
TECHNICIANS, N.E.C.. . . .	71 515	50 266	21 249	29.7	16 281	11 745	4 536	27.9
SALES OCCUPATIONS.	2 593 643	1 294 503	1 299 140	50.1	2 193 224	1 238 618	954 606	43.5
SUPERVISORS & PROPS., SALES OCCUPATIONS, SALARIED.	285 968	203 418	82 550	28.9	193 582	168 422	25 160	13.0
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS, SELF-EMPLOYED.	98 754	71 707	27 047	27.4	141 016	111 713	29 303	20.8
SALES REPRESENTATIVES, FINANCE & BUSINESS SERVICES.	436 098	289 510	146 588	33.6	284 063	237 596	46 467	16.4
INSURANCE SALES OCCUPATIONS.	153 077	117 511	35 566	23.2	129 551	114 279	15 272	11.8
REAL ESTATE SALES OCCUPATIONS.	134 746	72 701	62 045	46.0	70 518	48 477	22 041	31.3
SECURITIES AND FINANCIAL SERVICES SALES OCCUPATIONS.	26 868	22 118	4 750	17.7	21 096	19 225	1 871	8.9
ADVERTISING AND RELATED SALES OCCUPATIONS.	29 939	18 139	11 800	39.4	20 658	16 816	3 842	18.6
SALES OCCUPATIONS, OTHER BUSINESS SERVICES.	91 468	59 041	32 427	35.5	42 240	38 799	3 441	8.1
SALES REPRESENTATIVES, COMMODITIES EXCEPT RETAIL.	342 351	297 332	45 019	13.1	306 184	287 507	18 677	6.1
SALES ENGINEERS.	14 815	14 512	303	2.0	20 023	19 849	174	.9
SALES REPRESENTATIVES, MINING, MANUFACTURING, AND WHOLESALE.	327 536	282 820	44 716	13.7	286 161	267 658	18 503	6.5
SALES WORKERS, RETAIL AND PERSONAL SERVICES.	1 422 278	428 867	993 411	69.8	1 260 717	430 564	830 153	65.8
SALES WORKERS, MOTOR VEHICLES AND BOATS.	69 619	64 227	5 392	7.7	64 394	62 827	1 567	2.4
SALES WORKERS, APPAREL.	114 938	20 273	94 665	82.4	158 280	27 546	130 734	82.6
SALES WORKERS, SHOES.	31 519	13 080	18 439	58.5	35 102	18 117	16 985	48.4
SALES WORKERS, FURNITURE AND HOME FURNISHINGS.	38 183	20 897	17 286	45.3	41 135	23 038	18 097	44.0
SALES WORKERS; RADIO, TV, HI-FI, AND APPLIANCES.	31 970	22 047	9 923	31.0	31 168	22 779	8 389	26.9
SALES WORKERS, HARDWARE AND BUILDING SUPPLIES.	59 386	40 987	18 399	31.0	59 216	48 973	10 243	17.3
SALES WORKERS, PARTS.	53 637	49 471	4 166	8.3	48 718	46 513	2 205	4.5
SALES WORKERS, OTHER COMMODITIES.	427 057	100 136	326 921	76.6	431 108	115 407	315 701	73.2
SALES COUNTER CLERKS.	25 041	5 079	19 962	79.7	36 874	9 821	27 053	73.4
CASHIERS.	472 527	61 446	411 081	87.0	268 614	26 434	242 180	90.2
STREET AND DOOR-TO-DOOR SALES WORKERS.	69 228	12 044	57 184	82.6	65 531	11 780	53 751	82.0
NEWS VENDORS.	28 873	19 180	9 693	33.6	20 577	17 329	3 248	15.8
SALES RELATED OCCUPATIONS.	8 194	3 669	4 525	55.2	7 662	2 816	4 846	63.2
DEMONSTRATORS, PROMOTERS AND MODELS, SALES.	3 984	926	3 058	76.8	4 141	969	3 172	76.6
AUCTIONEERS.	2 248	1 985	263	11.7	1 941	1 847	94	4.8
SALES SUPPORT OCCUPATIONS, N.E.C.. . . .	1 962	758	1 204	61.4	1 580	0	1 580	100.0
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL.	4 442 717	978 588	3 464 129	78.0	3 592 716	946 101	2 646 615	73.7
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS.	252 249	132 730	119 519	47.4	103 355	44 046	59 309	57.4
SUPERVISORS, GENERAL OFFICE.	143 813	59 272	84 541	58.8	64 478	21 728	42 750	66.3
SUPERVISORS, COMPUTER EQUIPMENT OPERATORS.	10 315	7 435	2 880	27.9	3 226	2 565	661	20.5
SUPERVISORS, FINANCIAL RECORDS PROCESSING.	41 404	22 436	18 968	45.8	10 838	5 995	4 843	44.7
CHIEF COMMUNICATIONS OPERATORS.	13 458	9 056	4 402	32.7	11 592	2 194	9 398	81.1
SUPERVISORS, DISTRIBUTION, SCHEDULING, AND ADJUSTING CLERKS.	43 259	34 531	8 728	20.2	13 221	11 564	1 657	12.5
COMPUTER EQUIPMENT OPERATORS.	108 179	42 093	66 086	61.1	46 070	25 219	20 851	45.3
COMPUTER OPERATORS.	102 396	40 154	62 242	60.8	32 276	20 163	12 113	37.5
PERIPHERAL EQUIPMENT OPERATORS.	5 783	1 939	3 844	66.5	13 794	5 056	8 738	63.3

Detailed Occupation of the Experienced Civilian Labor Force by Sex: 1980 and 1970—Con.

(DATA BASED ON SAMPLE; SEE TEXT, FOR DEFINITIONS OF TERMS AND MEANING OF SYMBOLS, SEE TEXT)

UNITED STATES REGIONS	1980				1970			
	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
NORTH CENTRAL								
TECH., SALES, & ADMIN. SUPPORT OCCUPATIONS--CON.								
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL--CON.								
SECRETARIES, STENOGRAPHERS AND TYPISTS	1 221 384	16 722	1 204 662	98.6	1 067 641	30 539	1 037 102	97.1
SECRETARIES	1 014 644	10 643	1 004 001	99.0	752 800	16 417	736 383	97.8
STENOGRAPHERS	20 381	1 696	18 685	91.7	37 124	1 918	35 206	94.8
TYPISTS	186 359	4 383	181 976	97.6	277 717	12 204	265 513	95.6
INFORMATION CLERKS	240 739	30 910	209 829	87.2	177 103	30 922	146 181	82.5
INTERVIEWERS	36 620	7 770	28 850	78.8	33 178	5 373	27 805	83.8
HOTEL CLERKS	15 370	4 326	11 044	71.9	13 950	6 215	7 735	55.4
TRANSPORTATION TICKET AND RESERVATION AGENTS	20 139	7 940	12 199	60.6	20 022	11 198	8 824	44.1
RECEPTIONISTS	144 265	5 732	138 533	96.0	95 601	4 076	91 525	95.7
INFORMATION CLERKS, N.E.C.	24 345	5 142	19 203	78.9	14 352	4 060	10 292	71.7
RECORDS PROCESSING OCCUPATIONS, EXCEPT FINANCIAL	269 040	59 556	209 484	77.9	194 057	36 930	157 127	81.0
CLASSIFIED-AD CLERKS	3 905	906	2 999	76.8	2 727	600	2 127	78.0
CORRESPONDENCE CLERKS	5 524	943	4 581	82.9	3 531	1 194	2 337	66.2
ORDER CLERKS	90 972	29 515	61 457	67.6	31 467	6 520	24 947	79.3
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	18 788	2 333	16 455	87.6	2 353	238	2 115	89.9
LIBRARY CLERKS	41 061	6 600	34 461	83.9	37 427	6 733	30 694	82.0
FILE CLERKS	75 264	14 678	60 586	80.5	98 917	15 593	83 324	84.2
RECORDS CLERKS	33 526	4 581	28 945	86.3	17 635	6 052	11 583	65.7
FINANCIAL RECORDS PROCESSING OCCUPATIONS	616 642	67 382	549 260	89.1	595 533	112 860	482 673	81.0
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	491 586	46 133	445 453	90.6	465 845	84 458	381 387	81.9
PAYROLL AND TIMEKEEPING CLERKS	46 555	8 197	38 358	82.4	46 573	14 543	32 030	68.8
BILLING CLERKS	39 210	3 984	35 226	89.8	37 084	6 396	30 688	82.8
COST AND RATE CLERKS	24 875	7 628	17 247	69.3	11 796	4 791	7 005	59.4
BILLING, POSTING, & CALCULATING MACH. OPERATORS	14 416	1 440	12 976	90.0	34 235	2 672	31 563	92.2
DUPLICATING, MAIL & OTHER OFFICE MACHINE OPERATORS	16 000	4 517	11 483	71.8	18 862	5 723	13 139	69.7
DUPLICATING MACHINE OPERATORS	4 529	1 332	3 197	70.6	6 933	2 285	4 648	67.0
MAIL PREPARING & PAPER HANDLING MACH. OPERATORS	2 295	646	1 649	71.9	4 473	859	3 614	80.8
OFFICE MACHINE OPERATORS, N.E.C.	9 176	2 539	6 637	72.3	7 456	2 579	4 877	65.4
COMMUNICATIONS EQUIPMENT OPERATORS	74 970	7 536	67 434	89.9	107 290	9 837	97 453	90.8
TELEPHONE OPERATORS	70 988	5 791	65 197	91.8	103 285	6 800	96 485	93.4
TELEGRAPHERS	2 234	1 489	745	33.3	4 005	3 037	968	24.2
COMMUNICATIONS EQUIPMENT OPERATORS, N.E.C.	1 748	256	1 492	85.4	0	0	0	.0
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	208 608	134 232	74 376	35.7	215 075	150 406	64 669	30.1
POSTAL CLERKS, EXC. MAIL CARRIERS	72 084	40 796	31 288	43.4	85 714	52 975	32 739	38.2
MAIL CARRIERS, POSTAL SERVICE	70 032	59 019	11 013	15.7	77 090	69 102	7 988	10.4
MAIL CLERKS, EXC. POSTAL SERVICE	48 861	22 453	26 408	54.0	38 661	18 546	20 115	52.0
MESSENGERS	17 631	11 964	5 667	32.1	13 610	9 783	3 827	28.1
MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING CLERKS	470 109	308 260	161 849	34.4	412 464	326 422	86 042	20.9
DISPATCHERS	25 589	17 210	8 379	32.7	19 786	16 874	2 912	14.7
PRODUCTION COORDINATORS	72 665	41 742	30 923	42.6	49 192	39 718	9 474	19.3
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	137 221	103 583	33 638	24.5	124 475	107 215	17 260	13.9
STOCK AND INVENTORY CLERKS	161 166	106 117	55 049	34.2	145 260	112 307	32 953	22.7
METER READERS	11 158	9 742	1 416	12.7	9 510	9 264	246	2.6
WEIGHERS, MEASURERS, AND CHECKERS	22 048	13 400	8 648	39.2	29 428	20 732	8 696	29.6
SAMPLERS	539	254	285	52.9	2 097	1 640	457	21.8
EXPEDITORS	29 390	13 907	15 483	52.7	24 160	16 048	8 112	33.6
MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING CLERKS, N.E.C.	10 333	2 305	8 028	77.7	8 556	2 624	5 932	69.3
ADJUSTERS AND INVESTIGATORS	131 017	48 588	82 429	62.9	92 406	55 492	36 914	39.9
INSURANCE ADJUSTERS, EXAMINERS, & INVESTIGATORS	45 525	17 635	27 890	61.3	26 438	18 831	7 607	28.8
INVESTIGATORS AND ADJUSTERS, EXCEPT INSURANCE	62 378	23 163	39 215	62.9	49 958	27 826	22 132	44.3
ELIGIBILITY CLERKS, SOCIAL WELFARE	2 085	367	1 718	82.4	281	40	241	85.8
BILL AND ACCOUNT COLLECTORS	21 029	7 423	13 606	64.7	15 729	8 795	6 934	44.1
MISCELLANEOUS ADMINISTRATIVE SUPPORT OCCUPATIONS	833 780	126 062	707 718	84.9	562 860	117 705	445 155	79.1
GENERAL OFFICE CLERKS	408 720	65 790	342 930	83.9	225 570	52 361	173 209	76.8
BANK TELLERS	133 721	9 830	123 891	92.6	76 341	9 739	66 602	87.2
PROOFREADERS	7 851	1 137	6 714	85.5	9 036	1 893	7 143	79.1
DATA-ENTRY KEYERS	108 156	6 777	101 379	93.7	89 376	4 839	84 537	94.6
STATISTICAL CLERKS	34 889	8 115	26 774	76.7	47 833	16 252	31 581	66.0
TEACHERS' AIDES	42 188	3 485	38 703	91.7	32 129	3 443	28 686	89.3
ADMINISTRATIVE SUPPORT OCCUPATIONS, N.E.C.	98 255	30 928	67 327	68.5	82 575	29 178	53 397	64.7
SERVICE OCCUPATIONS	3 669 702	1 400 009	2 269 693	61.8	2 839 027	1 076 586	1 762 441	62.1
PRIVATE HOUSEHOLD OCCUPATIONS	119 946	4 973	114 973	95.9	242 912	7 884	235 028	96.8
LAUNDERS AND IRONERS	507	92	415	81.9	3 849	114	3 735	97.0
COOKS, PRIVATE HOUSEHOLD	1 513	200	1 313	86.8	5 028	210	4 818	95.8
HOUSEKEEPERS AND BUTLERS	11 165	300	10 865	97.3	12 272	239	12 033	98.1
CHILD CARE WORKERS, PRIVATE HOUSEHOLD	48 945	1 131	47 814	97.7	78 721	1 362	77 359	98.3
PRIVATE HOUSEHOLD CLEANERS AND SERVANTS	57 816	3 250	54 566	94.4	143 042	5 959	137 083	95.8

Detailed Occupation of the Experienced Civilian Labor Force by Sex: 1980 and 1970-Con.

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UNITED STATES REGIONS	1980				1970			
	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
NORTH CENTRAL								
SERVICE OCCUPATIONS--CON.								
PROTECTIVE SERVICE OCCUPATIONS	352 012	308 047	43 965	12.5	254 250	237 901	16 349	6.4
SUPERVISORS, PROTECTIVE SERVICE OCCUPATIONS.	21 939	20 966	973	4.4	20 923	20 435	488	2.3
SUPERVISORS, FIREFIGHTING AND FIRE PREVENTION OCCUPATIONS	3 879	3 858	21	.5	6 410	6 410	0	.0
SUPERVISORS, POLICE AND DETECTIVES	12 460	12 051	409	3.3	11 682	11 430	252	2.2
SUPERVISORS, GUARDS.	5 600	5 057	543	9.7	2 831	2 595	236	8.3
FIREFIGHTING AND FIRE PREVENTION OCCUPATIONS	45 758	45 124	634	1.4	37 684	37 058	626	1.7
FIRE INSPECTION AND FIRE PREVENTION OCCUPATIONS.	4 214	3 938	276	6.5	2 761	2 761	0	.0
FIREFIGHTING OCCUPATIONS	41 544	41 186	358	.9	34 923	34 297	626	1.8
POLICE AND DETECTIVES.	131 820	120 936	10 884	8.3	102 685	97 575	5 110	5.0
POLICE AND DETECTIVES, PUBLIC SERVICE.	98 187	92 423	5 764	5.9	79 944	77 154	2 790	3.5
SHERIFFS, BAILIFFS, AND OTHER LAW ENFORCEMENT OFFICERS.	14 904	12 973	1 931	13.0	10 897	10 231	666	6.1
CORRECTIONAL INSTITUTION OFFICERS.	18 729	15 540	3 189	17.0	11 844	10 190	1 654	14.0
GUARDS	152 495	121 021	31 474	20.6	92 958	82 833	10 125	10.9
CROSSING GUARDS.	10 888	3 356	7 532	69.2	10 092	4 054	6 038	59.8
GUARDS AND POLICE, EXC. PUBLIC SERVICE	131 695	112 456	19 239	14.6	78 676	75 614	3 062	3.9
PROTECTIVE SERVICE OCCUPATIONS, N.E.C.	9 912	5 209	4 703	47.4	4 190	3 165	1 025	24.5
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD								
FOOD PREPARATION AND SERVICE OCCUPATIONS	3 197 744	1 086 989	2 110 755	66.0	2 341 865	830 801	1 511 064	64.5
SUPERVISORS, FOOD PREP. & SERVICE OCCUPATIONS.	1 398 934	411 243	987 691	70.6	1 004 112	262 931	741 181	73.6
BARTENDERS	62 220	20 723	41 497	66.7	43 507	18 841	24 666	56.7
WAITERS AND WAITRESSES	103 730	51 957	51 773	49.9	73 578	53 979	19 599	26.6
COOKS, EXCEPT SHORT ORDER.	442 525	30 692	411 833	93.1	367 624	21 934	345 690	94.0
SHORT-ORDER COOKS.	391 122	146 491	244 631	62.5	206 893	52 570	154 323	74.6
FOOD COUNTER, FOUNTAIN AND RELATED OCCUPATIONS	25 523	15 901	9 622	37.7	31 256	16 213	15 043	48.1
KITCHEN WORKERS, FOOD PREPARATION.	56 561	9 450	47 111	83.3	35 602	13 863	21 739	61.1
WAITERS/WAITRESSES' ASSISTANTS.	29 568	4 587	24 981	84.5	24 201	1 480	22 721	93.9
MISCELLANEOUS FOOD PREPARATION OCCUPATIONS	84 183	47 585	36 598	43.5	43 881	30 025	13 856	31.6
HEALTH SERVICE OCCUPATIONS	203 502	83 857	119 645	58.8	177 570	54 026	123 544	69.6
DENTAL ASSISTANTS.	531 860	50 951	480 909	90.4	375 467	36 369	339 098	90.3
HEALTH AIDES, EXCEPT NURSING	41 256	819	40 437	98.0	25 959	475	25 484	98.2
NURSING AIDES, ORDERLIES, AND ATTENDANTS	86 255	10 850	75 405	87.4	42 398	5 604	36 794	86.6
CLEANING AND BUILDING SERVICE OCCUPATIONS, EXCEPT HOUSEHOLD	404 349	39 282	365 067	90.3	307 110	30 290	276 820	90.1
SUPERVISORS, CLEANING AND BLDG. SERVICE WORKERS.	831 474	539 775	291 699	35.1	646 457	440 698	205 759	31.8
MAIDS AND HOUSEMEN	28 952	20 214	8 738	30.2	17 394	11 996	5 398	31.0
JANITORS AND CLEANERS.	155 601	31 356	124 245	79.8	133 009	7 147	125 862	94.6
ELEVATOR OPERATORS	636 079	479 086	156 993	24.7	480 597	409 635	70 962	14.8
PEST CONTROL OCCUPATIONS	5 095	3 635	1 460	28.7	10 400	6 863	3 537	34.0
PERSONAL SERVICE OCCUPATIONS	5 747	5 484	263	4.6	5 057	5 057	0	.0
SUPERVISORS, PERSONAL SERVICE OCCUPATIONS.	435 476	85 020	350 456	80.5	315 829	90 803	225 026	71.2
BARBERS.	7 644	4 261	3 383	44.3	4 004	2 076	1 928	48.2
HAIRDRESSERS AND COSMETOLOGISTS.	27 409	23 690	3 719	13.6	47 222	45 567	1 655	3.5
ATTENDANTS, AMUSEMENT AND RECREATION FACILITIES.	146 834	12 111	134 723	91.8	146 730	10 671	136 059	92.7
GUIDES	17 459	11 110	6 349	36.4	13 261	9 152	4 109	31.0
USHERS	5 227	1 990	3 237	61.9	1 624	999	625	38.5
PUBLIC TRANSPORTATION ATTENDANTS	6 076	4 223	1 853	30.5	6 411	4 744	1 667	26.0
BAGGAGE PORTERS AND BELLHOPS	12 008	2 503	9 505	79.2	6 951	919	6 032	86.8
WELFARE SERVICE AIDES	3 739	3 493	246	6.6	3 527	3 527	0	.0
CHILD CARE WORKERS, EXCEPT PRIVATE HOUSEHOLD	9 963	1 430	8 533	85.6	5 534	869	4 665	84.3
PERSONAL SERVICE OCCUPATIONS, N.E.C.	158 857	10 368	148 489	93.5	43 880	3 291	40 589	92.5
FARMING, FORESTRY, AND FISHING OCCUPATIONS	40 260	9 841	30 419	75.6	36 584	8 988	27 596	75.4
FARM OPERATORS AND MANAGERS.	1 028 071	882 009	146 062	14.2	1 066 669	990 271	76 398	7.2
FARMERS, EXCEPT HORTICULTURAL.	645 168	585 537	59 631	9.2	723 980	695 438	28 542	3.9
HORTICULTURAL SPECIALTY FARMERS.	598 375	542 946	55 429	9.3	698 990	673 258	25 732	3.7
MANAGERS, FARMS, EXCEPT HORTICULTURAL.	2 132	1 688	444	20.8	5 323	3 238	2 085	39.2
MANAGERS, HORTICULTURAL SPECIALTY FARMS.	42 229	38 825	3 404	8.1	19 480	18 755	725	3.7
FARM OCCUPATIONS, EXCEPT MANAGERIAL.	2 432	2 078	354	14.6	187	187	0	.0
SUPERVISORS, FARM WORKERS.	259 340	192 872	66 468	25.6	234 509	195 236	39 273	16.7
FARM WORKERS	7 105	5 314	1 791	25.2	4 789	4 292	497	10.4
MARINE LIFE CULTIVATION WORKERS.	245 811	184 529	61 282	24.9	220 534	184 646	35 888	16.3
NURSERY WORKERS.	193	97	96	49.7	0	0	0	.0
RELATED AGRICULTURAL OCCUPATIONS	6 231	2 932	3 299	52.9	9 186	6 298	2 888	31.4
SUPERVISORS, RELATED AGRICULTURAL OCCUPATIONS.	100 844	82 183	18 661	18.5	88 953	81 313	7 640	8.6
GROUNDKEEPERS AND GARDENERS, EXCEPT FARM.	5 353	4 915	438	8.2	8 092	7 948	144	1.8
ANIMAL CARETAKERS, EXCEPT FARM	76 270	70 131	6 139	8.0	63 815	61 793	2 022	3.2
GRADERS AND SORTERS, AGRICULTURAL PRODUCTS	16 821	6 431	10 390	61.8	12 730	8 989	3 741	29.4
INSPECTORS, AGRICULTURAL PRODUCTS.	2 203	541	1 662	75.4	4 316	2 583	1 733	40.2
	197	145	52	26.4	0	0	0	.0

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	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
NORTH CENTRAL								
FARMING, FORESTRY, AND FISHING OCCUPATIONS--CON.								
FORESTRY AND LOGGING OCCUPATIONS	19 834	18 866	968	4.9	16 768	16 054	714	4.3
SUPERVISORS, FORESTRY AND LOGGING WORKERS	706	694	12	1.7	742	742	0	.0
FORESTRY WORKERS, EXCEPT LOGGING	3 973	3 427	546	13.7	1 681	1 681	0	.0
TIMBER CUTTING AND LOGGING OCCUPATIONS	15 155	14 745	410	2.7	14 345	13 631	714	5.0
FISHERS, HUNTERS, AND TRAPPERS	2 885	2 551	334	11.6	2 459	2 230	229	9.3
CAPTAINS AND OTHER OFFICERS, FISHING VESSELS	271	251	20	7.4	461	383	78	16.9
FISHERS	2 194	1 950	244	11.1	1 953	1 802	151	7.7
HUNTERS AND TRAPPERS	420	350	70	16.7	45	45	0	.0
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	3 514 734	3 256 432	258 302	7.3	3 242 287	2 993 339	248 948	7.7
MECHANICS AND REPAIRERS	1 062 346	1 028 664	33 682	3.2	908 983	884 752	24 231	2.7
SUPERVISORS, MECHANICS AND REPAIRERS	38 585	37 373	1 212	3.1	35 023	33 757	1 266	3.6
MECHANICS AND REPAIRERS, EXCEPT SUPERVISORS	1 023 761	991 291	32 470	3.2	873 960	850 995	22 965	2.6
VEHICLE AND MOBILE EQUIPMENT MECHS. & REPAIRERS	453 774	448 454	5 320	1.2	389 326	382 083	7 243	1.9
AUTOMOBILE MECHANICS	256 879	253 596	3 283	1.3	227 485	224 244	3 241	1.4
BUS, TRUCK, AND STATIONARY ENGINE MECHANICS	46 938	46 610	328	.7	24 258	23 673	585	2.4
AIRCRAFT MECHANICS	17 657	17 389	268	1.5	21 230	19 364	1 866	8.8
SMALL ENGINE REPAIRERS	9 935	9 754	181	1.8	8 768	8 543	225	2.6
AUTOMOBILE BODY AND RELATED REPAIRERS	59 365	58 708	657	1.1	34 908	34 484	424	1.2
HEAVY EQUIPMENT MECHANICS	43 192	42 790	402	.9	56 127	55 401	726	1.3
FARM EQUIPMENT MECHANICS	19 808	19 607	201	1.0	16 550	16 374	176	1.1
INDUSTRIAL MACHINERY REPAIRERS	143 769	139 824	3 945	2.7	95 828	94 266	1 562	1.6
MACHINERY MAINTENANCE OCCUPATIONS	14 142	13 611	531	3.8	19 481	18 910	571	2.9
ELECTRICAL AND ELECTRONIC EQUIPMENT REPAIRERS	154 433	142 410	12 023	7.8	152 790	147 997	4 793	3.1
ELECTRONIC REPAIRERS, COMMUNICATIONS AND INDUSTRIAL EQUIPMENT	39 851	37 517	2 334	5.9	41 451	39 690	1 761	4.2
DATA PROCESSING EQUIPMENT REPAIRERS	11 803	11 102	701	5.9	7 454	7 212	242	3.2
HOUSEHOLD APPLIANCE AND POWER TOOL REPAIRERS	20 698	20 037	661	3.2	20 847	20 623	224	1.1
TELEPHONE LINE INSTALLERS AND REPAIRERS	13 937	13 241	696	5.0	14 252	13 596	656	4.6
TELEPHONE INSTALLERS AND REPAIRERS	58 676	52 168	6 508	11.1	59 962	58 052	1 910	3.2
MISCELLANEOUS ELECTRICAL AND ELECTRONIC EQUIPMENT REPAIRERS	9 468	8 345	1 123	11.9	8 824	8 824	0	.0
HEATING, AIR CONDITIONING, & REFRIG. MECHS	32 911	32 586	325	1.0	29 085	28 776	309	1.1
MISCELLANEOUS MECHANICS AND REPAIRERS	224 732	214 406	10 326	4.6	187 450	178 963	8 487	4.5
CAMERA, WATCH, & MUSICAL INSTR. REPAIRERS	9 511	8 559	952	10.0	8 098	7 631	467	5.8
LOCKSMITHS AND SAFE REPAIRERS	3 674	3 340	334	9.1	4 781	4 556	225	4.7
OFFICE MACHINE REPAIRERS	10 071	9 647	424	4.2	12 964	12 778	206	1.6
MECHANICAL CONTROLS AND VALVE REPAIRERS	7 660	7 408	252	3.3	10 240	9 565	675	6.6
ELEVATOR INSTALLERS AND REPAIRERS	4 808	4 732	76	1.6	7 090	7 090	0	.0
MILLWRIGHTS	59 111	57 425	1 686	2.9	48 679	48 181	498	1.0
SPECIFIED MECHANICS AND REPAIRERS, N.E.C.	77 326	73 156	4 170	5.4	60 887	56 080	4 807	7.9
NOT SPECIFIED MECHANICS AND REPAIRERS	52 571	50 139	2 432	4.6	34 691	33 082	1 609	4.6
CONSTRUCTION TRADES	1 136 935	1 113 777	23 158	2.0	943 026	925 285	17 741	1.9
SUPERVISORS, CONSTRUCTION OCCUPATIONS	169 519	167 355	2 164	1.3	127 348	125 660	1 688	1.3
SUPERVISORS; BRICKMASTONS, STONEMASTONS, AND TILE SETTERS	1 344	1 337	7	.5	2 105	2 105	0	.0
SUPERVISORS, CARPENTERS AND RELATED WORKERS	7 670	7 655	15	.2	14 634	14 276	358	2.4
SUPERVISORS, ELECTRICIANS AND POWER TRANSMISSION INSTALLERS	8 665	8 586	79	.9	9 055	9 055	0	.0
SUPERVISORS; PAINTERS, PAPERHANGERS, AND PLASTERERS	1 895	1 854	41	2.2	2 771	2 712	59	2.1
SUPERVISORS; PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	3 835	3 807	28	.7	7 878	7 878	0	.0
SUPERVISORS, N.E.C.	146 110	144 116	1 994	1.4	90 905	89 634	1 271	1.4
CONSTRUCTION TRADES, EXCEPT SUPERVISORS	967 416	946 422	20 994	2.2	815 678	799 625	16 053	2.0
BRICKMASTONS & STONEMASTONS	52 465	51 859	606	1.2	49 804	49 259	545	1.1
TILE SETTERS, HARD AND SOFT	5 474	5 420	54	1.0	7 621	7 532	89	1.2
CARPET INSTALLERS	20 908	20 579	329	1.6	15 747	15 451	296	1.9
CARPENTERS	306 128	301 524	4 604	1.5	233 308	230 614	2 694	1.2
DRYWALL INSTALLERS	19 955	19 515	440	2.2	12 056	11 877	179	1.5
ELECTRICIANS	166 514	163 063	3 451	2.1	138 441	135 511	2 930	2.1
ELECTRICAL POWER INSTALLERS AND REPAIRERS	28 642	28 272	370	1.3	28 248	27 828	420	1.5
PAINTERS, CONSTRUCTION AND MAINTENANCE	90 499	83 896	6 603	7.3	83 669	80 064	3 605	4.3
PAPERHANGERS	3 733	2 819	914	24.5	3 239	2 535	704	21.7
PLASTERERS	4 863	4 741	122	2.5	6 831	6 772	59	.9
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	125 599	124 492	1 107	.9	111 093	110 046	1 047	.9
CONCRETE AND TERRAZZO FINISHERS	18 932	18 748	184	1.0	19 636	19 383	253	1.3
GLAZIERS	7 495	7 047	448	6.0	6 010	5 753	257	4.3
INSULATION WORKERS	13 368	12 967	401	3.0	6 591	6 591	0	.0
PAVING, SURFACING, AND TAMPING EQUIPMENT OPERATORS	1 774	1 729	45	2.5	1 957	1 957	0	.0
ROOFERS	28 749	28 584	165	.6	16 209	16 081	128	.8

Detailed Occupation of the Experienced Civilian Labor Force by Sex: 1980 and 1970-Con.

(DATA BASED ON SAMPLE; SEE TEXT. FOR DEFINITIONS OF TERMS AND MEANING OF SYMBOLS, SEE TEXT)

UNITED STATES REGIONS	1980				1970			
	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
NORTH CENTRAL								
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS--CON.								
CONSTRUCTION TRADES, EXCEPT SUPERVISORS--CON.								
SHEETMETAL DUCT INSTALLERS	7 897	7 813	84	1.1	5 504	5 504	0	.0
STRUCTURAL METAL WORKERS	25 174	24 938	236	.9	23 991	23 770	221	.9
DRILLERS, EARTH.	5 973	5 841	132	2.2	9 873	7 945	1 928	19.5
CONSTRUCTION TRADES, N.E.C..	33 274	32 575	699	2.1	35 850	35 152	698	1.9
EXTRACTIVE OCCUPATIONS	42 355	41 377	978	2.3	36 283	35 270	1 013	2.8
SUPERVISORS, EXTRACTIVE OCCUPATIONS.	10 551	10 387	164	1.6	11 930	11 930	0	.0
DRILLERS, OIL WELL	8 607	8 538	69	.8	8 491	8 491	0	.0
EXPLOSIVES WORKERS	2 404	2 330	74	3.1	5 047	4 891	156	3.1
MINING MACHINE OPERATORS	13 264	12 824	440	3.3	5 167	5 167	0	.0
MINING OCCUPATIONS, N.E.C..	7 529	7 298	231	3.1	5 648	4 791	857	15.2
PRECISION PRODUCTION OCCUPATIONS	1 273 098	1 072 614	200 484	15.7	1 353 995	1 148 032	205 963	15.2
SUPERVISORS, PRODUCTION OCCUPATIONS.	535 975	469 093	66 882	12.5	475 888	438 029	37 859	8.0
PRECISION METALWORKING OCCUPATIONS	345 439	327 371	18 068	5.2	377 753	361 839	15 914	4.2
TOOL AND DIE MAKERS.	103 870	102 439	1 431	1.4	105 718	104 406	1 312	1.2
PRECISION ASSEMBLERS, METAL.	5 608	4 346	1 262	22.5	28 387	22 286	6 101	21.5
MACHINISTS	158 079	149 806	8 273	5.2	151 746	146 965	4 781	3.2
BOILERMAKERS	8 853	8 745	108	1.2	7 648	7 745	103	1.3
PRECISION GRINDERS, FILERS, & TOOL SHARPENERS.	8 137	7 707	430	5.3	13 430	13 116	314	2.3
PATTERNMAKERS AND MODEL MAKERS, METAL.	9 223	8 960	263	2.9	15 278	14 652	626	4.1
LAY-OUT WORKERS.	4 250	3 558	692	16.3	1 991	1 985	6	.3
PRECIOUS STONES AND METALS WORKERS (JEWELERS).	4 728	3 493	1 235	26.1	4 596	3 661	935	20.3
ENGRAVERS, METAL	3 844	2 199	1 645	42.8	3 129	2 705	424	13.6
SHEET METAL WORKERS.	37 908	35 381	2 527	6.7	45 301	43 989	1 312	2.9
MISCELLANEOUS PRECISION METAL WORKERS.	939	737	202	21.5	329	329	0	.0
PRECISION WOODWORKING OCCUPATIONS.	24 403	21 369	3 034	12.4	26 991	24 675	2 316	8.6
PATTERNMAKERS AND MODEL MAKERS, WOOD	2 663	2 630	33	1.2	3 767	3 787	0	.0
CABINET MAKERS AND BENCH CARPENTERS.	14 568	13 255	1 313	9.0	17 104	15 774	1 330	7.8
FURNITURE AND WOOD FINISHERS	5 915	4 395	1 520	25.7	6 100	5 114	986	16.2
MISCELLANEOUS PRECISION WOODWORKERS.	1 257	1 089	168	13.4	0	0	0	.0
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	58 911	21 362	37 549	63.7	67 938	30 869	37 069	54.6
DRESSMAKERS.	24 608	1 252	23 356	94.9	28 674	1 552	27 122	94.6
TAILORS.	9 651	4 631	5 020	52.0	12 168	7 922	4 246	34.9
UPHOLSTERERS	14 909	10 255	4 654	31.2	14 560	11 401	3 159	21.7
SHOE REPAIRERS	7 263	4 453	2 810	38.7	10 745	9 065	1 680	15.6
APPAREL AND FABRIC PATTERNMAKERS	738	360	378	51.2	267	267	0	.0
MISC. PRECISION APPAREL AND FABRIC WORKERS	1 742	411	1 331	76.4	1 524	662	862	56.6
PRECISION WORKERS, ASSORTED MATERIALS.	62 206	47 840	34 366	41.8	136 291	65 433	70 858	52.0
HAND HOLDERS AND SHAPERS, EXCEPT JEWELERS.	12 947	11 091	1 856	14.3	20 905	18 577	2 328	11.1
PATTERNMAKERS, LAY-OUT WORKERS, AND CUTTERS.	3 561	3 108	453	12.7	1 410	1 276	134	9.5
OPTICAL GOODS WORKERS.	11 824	6 376	5 448	46.1	7 920	5 998	1 922	24.3
DENTAL LAB. & MEDICAL APPLIANCE TECHNICIANS.	11 429	7 207	4 222	36.9	7 032	5 140	1 892	26.9
BOOKBINDERS	10 964	4 456	6 508	59.4	12 014	4 959	7 055	58.7
ELECTRICAL AND ELECTRONIC EQUIPMENT ASSEMBLERS	18 246	4 745	13 501	74.0	77 261	20 179	57 082	73.9
MISCELLANEOUS PRECISION WORKERS, N.E.C..	13 235	10 857	2 378	18.0	9 749	9 304	445	4.6
PRECISION FOOD PRODUCTION OCCUPATIONS.	134 465	103 527	30 938	23.0	129 863	109 409	20 454	15.8
BUTCHERS AND MEAT CUTTERS.	92 791	80 239	12 552	13.5	94 549	85 080	9 469	10.0
BAKERS	31 913	16 639	15 274	47.9	27 388	18 981	8 407	30.7
FOOD BATCHMAKERS	9 761	6 649	3 112	31.9	7 926	5 348	2 578	32.5
PRECISION INSPECTORS, TESTERS, & RELATED WORKERS	28 525	21 036	7 489	26.3	76 071	55 213	20 858	27.4
INSPECTORS, TESTERS, AND GRADERS	27 820	20 729	7 091	25.5	73 388	55 213	18 175	24.8
ADJUSTERS AND CALIBRATORS.	705	307	398	56.5	2 683	0	2 683	100.0
PLANT AND SYSTEM OPERATORS	63 174	61 016	2 158	3.4	63 200	62 565	635	1.0
WATER AND SEWAGE TREATMENT PLANT OPERATORS	8 609	8 359	250	2.9	5 236	5 236	0	.0
POWER PLANT OPERATORS.	8 181	7 810	371	4.5	6 016	5 815	201	3.3
STATIONARY ENGINEERS	36 665	35 694	971	2.6	44 172	43 738	434	1.0
MISCELLANEOUS PLANT AND SYSTEM OPERATORS	9 719	9 153	566	5.8	7 776	7 776	0	.0
OPERATORS, FABRICATORS, AND LABORERS	5 827 545	4 376 628	1 450 917	24.9	5 216 073	4 041 417	1 174 656	22.5
MACHINE OPERATORS, ASSEMBLERS, & INSPECTORS.	3 099 787	2 039 857	1 059 930	34.2	2 786 605	1 896 734	889 871	31.9
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION.	1 840 479	1 249 667	590 812	32.1	1 885 774	1 305 501	580 273	30.8
METALWORKING & PLASTIC WORKING MACH. OPERATORS	391 796	318 135	73 661	18.8	418 947	345 216	73 731	17.6
LATHE AND TURNING MACHINE SET-UP OPERATORS	31 730	29 913	1 817	5.7	42 239	40 857	1 382	3.3
LATHE AND TURNING MACHINE OPERATORS.	54 008	49 655	4 353	8.1	56 532	50 009	6 523	11.5
MILLING AND PLANING MACHINE OPERATORS.	7 787	7 067	720	9.2	3 292	3 292	0	.0
PUNCHING AND STAMPING PRESS MACHINE OPERATORS.	107 700	70 902	36 798	34.2	118 886	80 542	38 344	32.3
ROLLING MACHINE OPERATORS.	8 042	7 139	903	11.2	10 457	9 803	654	6.3
DRILLING AND BORING MACHINE OPERATORS.	34 100	26 850	7 250	21.3	49 864	40 658	9 206	18.5
GRINDING, ABRADING, BUFFING, AND POLISHING MACHINE OPERATORS	121 908	102 424	19 484	16.0	111 879	97 249	14 630	13.1

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UNITED STATES REGIONS	1980				1970			
	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
NORTH CENTRAL								
OPERATORS, FABRICATORS, AND LABORERS--CON.								
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS--CON.								
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION--CON.								
FORGING MACHINE OPERATORS.	7 210	6 772	438	6.1	8 580	8 271	309	3.6
NUMERICAL CONTROL MACHINE OPERATORS.	932	835	97	10.4	144	144	0	.0
MISCELLANEOUS METAL, PLASTIC, STONE, AND GLASS WORKING MACHINE OPERATORS.	18 379	16 578	1 801	9.8	17 074	14 391	2 683	15.7
FABRICATING MACHINE OPERATORS, N.E.C..	12 099	7 372	4 727	39.1	23 166	15 365	7 801	33.7
METAL AND PLASTIC PROCESSING MACHINE OPERATORS.	99 741	71 323	28 418	28.5	105 550	81 124	24 426	23.1
MOLDING AND CASTING MACHINE OPERATORS.	68 316	43 355	24 961	36.5	68 667	46 658	22 009	32.1
METAL PLATING MACHINE OPERATORS.	14 709	12 441	2 268	15.4	14 412	12 436	1 976	13.7
HEAT TREATING EQUIPMENT OPERATORS.	12 053	11 473	580	4.8	15 650	15 209	441	2.8
MISCELLANEOUS METAL AND PLASTIC PROCESSING MACHINE OPERATORS.	4 663	4 054	609	13.1	6 821	6 821	0	.0
WOODWORKING MACHINE OPERATORS.	35 853	29 143	6 710	18.7	37 550	32 336	5 214	13.9
WOOD LATHE, ROUTING, & PLANING MACH. OPERATORS.	1 396	1 196	200	14.3	1 790	1 790	0	.0
SAWING MACHINE OPERATORS.	23 823	20 424	3 399	14.3	27 205	23 722	3 483	12.8
SHAPING AND JOINING MACHINE OPERATORS.	2 950	1 526	1 424	48.3	1 142	723	419	36.7
NAILING AND TACKING MACHINE OPERATORS.	1 683	1 131	552	32.8	2 074	1 451	623	30.0
MISCELLANEOUS WOODWORKING MACHINE OPERATORS.	6 001	4 866	1 135	18.9	5 339	4 650	689	12.9
PRINTING MACHINE OPERATORS.	133 789	96 125	37 664	28.2	124 636	106 640	17 996	14.4
PRINTING MACHINE OPERATORS.	87 456	72 119	15 337	17.5	78 079	68 918	9 161	11.7
PHOTOENGRAVERS AND LITHOGRAPHERS.	9 176	7 605	1 571	17.1	11 205	9 514	1 691	15.1
TYPESETTERS AND COMPOSITORS.	21 192	8 943	12 249	57.8	25 498	20 806	4 692	18.4
MISCELLANEOUS PRINTING MACHINE OPERATORS.	15 965	7 458	8 507	53.3	9 854	7 402	2 452	24.9
TEXTILE, APPAREL, & FURNISHINGS MACH. OPERATORS.	185 011	32 432	152 579	82.5	258 555	47 966	210 589	81.4
WINDING AND TWISTING MACHINE OPERATORS.	1 648	807	841	51.0	2 093	432	1 661	79.4
KNITTING, LOOPING, TAPING, AND WEAVING MACHINE OPERATORS.	1 770	406	1 364	77.1	3 146	1 212	1 934	61.5
TEXTILE CUTTING MACHINE OPERATORS.	929	423	506	54.5	2 366	1 270	1 096	46.3
TEXTILE SEWING MACHINE OPERATORS.	85 670	4 354	81 316	94.9	114 269	5 429	108 840	95.2
SHOE MACHINE OPERATORS.	17 801	4 317	13 484	75.7	27 734	7 393	20 341	73.3
PRESSING MACHINE OPERATORS.	16 476	2 672	13 804	83.8	37 130	5 846	31 284	84.3
LAUNDERING AND DRY CLEANING MACHINE OPERATORS.	53 689	15 685	38 004	70.8	55 776	16 711	39 065	70.0
MISCELLANEOUS TEXTILE MACHINE OPERATORS.	7 028	3 768	3 260	46.4	16 041	9 673	6 368	39.7
MACHINE OPERATORS, ASSORTED MATERIALS.	982 190	695 137	287 053	29.2	917 370	676 854	240 516	26.2
CEMENTING AND GLUING MACHINE OPERATORS.	11 110	5 533	5 577	50.2	22 590	10 218	12 372	54.8
PACKAGING AND FILLING MACHINE OPERATORS.	33 618	16 835	16 783	49.9	46 869	28 277	18 592	39.7
EXTRUDING AND FORMING MACHINE OPERATORS.	8 528	7 377	1 151	13.5	10 753	8 167	2 586	24.0
MIXING AND BLENDING MACHINE OPERATORS.	29 552	26 423	3 129	10.6	36 672	34 277	2 395	6.5
SEPARATING, FILTERING, AND CLARIFYING MACHINE OPERATORS.	16 531	15 137	1 394	8.4	14 697	14 191	506	3.4
COMPRESSING & COMPACTING MACHINE OPERATORS.	6 479	4 645	1 834	28.3	11 120	7 291	3 829	34.4
PAINTING AND PAINT SPRAYING MACH. OPERATORS.	56 536	46 833	9 703	17.2	61 060	50 500	10 560	17.3
ROASTING & BAKING MACH. OPERATORS, FOOD.	2 388	2 127	261	10.9	1 997	1 997	0	.0
WASHING, CLEANING, & PICKLING MACHINE OPERATORS.	3 190	2 530	660	20.7	2 814	2 655	159	5.7
FOLDING MACHINE OPERATORS.	7 578	3 634	3 944	52.0	9 985	4 422	5 563	55.7
FURNACE, KILN, AND OVEN OPERATORS, EXC. FOOD.	52 368	49 939	2 429	4.6	65 497	61 842	3 655	5.6
CRUSHING AND GRINDING MACHINE OPERATORS.	19 286	17 957	1 329	6.9	20 610	20 085	525	2.5
SLICING AND CUTTING MACHINE OPERATORS.	63 906	48 179	15 727	24.6	66 874	52 622	14 252	21.3
MOTION PICTURE PROJECTIONISTS.	3 485	3 152	333	9.6	4 099	3 929	170	4.1
PHOTOGRAPHIC PROCESS MACHINE OPERATORS.	23 043	9 040	14 003	60.8	18 532	8 018	10 514	56.7
MISC. AND NOT SPECIFIED MACHINE OPERATORS.	644 592	435 796	208 796	32.4	523 201	368 363	154 838	29.6
OCCUPATION:								
MISCELLANEOUS MACHINE OPERATORS, N.E.C..	230 179	156 409	73 770	32.0	396 992	284 867	112 125	28.2
MACHINE OPERATORS, NOT SPECIFIED.	414 413	279 387	135 026	32.6	126 209	83 496	42 713	33.8
INDUSTRY:								
MANUFACTURING.	579 030	390 171	188 859	32.6	488 887	343 444	145 443	29.7
NONDURABLE GOODS.	191 369	118 875	72 494	37.9	161 510	115 140	46 370	28.7
DURABLE GOODS.	387 661	271 296	116 365	30.0	327 377	228 304	99 073	30.3
NONMANUFACTURING INDUSTRIES.	65 562	45 625	19 937	30.4	34 314	24 919	9 395	27.4
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS.	976 122	629 289	346 833	35.5	646 292	446 738	199 554	30.9
WELDERS AND CUTTERS.	260 742	241 462	19 280	7.4	216 158	200 542	15 616	7.2
SOLDERERS AND BRAZERS.	9 769	2 046	7 722	79.1	17 103	3 296	13 807	80.7
ASSEMBLERS.	676 501	366 175	310 326	45.9	387 980	227 553	160 427	41.3
HAND CUTTING AND TRIMMING OCCUPATIONS.	5 990	4 493	1 497	25.0	5 480	3 973	1 507	27.5
HAND MOLDING, CASTING, AND FORMING OCCUPATIONS.	4 644	3 373	1 271	27.4	3 734	2 028	1 706	45.7
HAND PAINTING, COATING, & DECORATING OCCUPATIONS.	10 488	7 382	3 106	29.6	9 449	6 588	2 861	30.3
HAND ENGRAVING AND PRINTING OCCUPATIONS.	672	486	186	27.7	1 612	273	1 339	83.1
HAND GRINDING AND POLISHING OCCUPATIONS.	783	539	244	31.2	668	668	0	.0
MISCELLANEOUS HAND WORKING OCCUPATIONS.	6 534	3 333	3 201	49.0	4 108	1 817	2 291	55.8

Detailed Occupation of the Experienced Civilian Labor Force by Sex: 1980 and 1970—Con.

(DATA BASED ON SAMPLE; SEE TEXT, FOR DEFINITIONS OF TERMS AND MEANING OF SYMBOLS, SEE TEXT)

UNITED STATES REGIONS	1980				1970			
	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
NORTH CENTRAL								
OPERATORS, FABRICATORS, AND LABORERS--CON.								
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS--CON.								
PRODUCTION INSPS., TESTERS, SAMPLERS, AND WEIGHERS	283 186	160 901	122 285	43.2	254 539	144 495	110 044	43.2
PRODUCTION INSPECTORS, CHECKERS, AND EXAMINERS	241 217	137 591	103 626	43.0	208 763	118 963	89 800	43.0
PRODUCTION TESTERS	18 620	12 898	5 722	30.7	23 171	15 855	7 316	31.6
PRODUCTION SAMPLERS AND WEIGHERS	2 132	1 491	641	30.1	2 434	1 787	647	26.6
GRADERS AND SORTERS, EXC. AGRICULTURAL	21 217	8 921	12 296	58.0	20 171	7 890	12 281	60.9
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS.								
MOTOR VEHICLE OPERATORS	1 343 294	1 237 987	105 307	7.8	1 126 565	1 077 182	49 383	4.4
SUPERVISORS, MOTOR VEHICLE OPERATORS	890 263	806 821	83 442	9.4	759 978	721 667	38 311	5.0
TRUCK DRIVERS, HEAVY	8 139	7 539	600	7.4	5 065	4 484	581	11.5
TRUCK DRIVERS, LIGHT	537 359	526 178	11 181	2.1	446 890	440 614	6 276	1.4
DRIVER-SALES WORKERS	144 570	135 441	9 129	6.3	115 774	110 283	5 491	4.7
BUS DRIVERS	51 104	46 829	4 275	8.4	79 332	78 417	915	1.2
TAXICAB DRIVERS AND CHAUFFEURS	102 358	49 953	52 405	51.2	67 100	45 378	21 722	32.4
PARKING LOT ATTENDANTS	36 826	31 813	5 013	13.6	36 469	33 554	2 915	8.0
MOTOR TRANSPORTATION OCCUPATIONS, N.E.C.	8 974	8 173	801	8.9	8 964	8 553	411	4.6
RAIL TRANSPORTATION OCCUPATIONS.	933	895	38	4.1	384	384	0	.0
RAILROAD CONDUCTORS AND YARDMASTERS	76 881	75 741	1 140	1.5	88 883	87 834	1 049	1.2
LOCOMOTIVE OPERATING OCCUPATIONS	16 283	16 067	216	1.3	17 325	17 206	119	.7
RAILROAD BRAKE, SIGNAL, AND SWITCH OPERATORS	23 725	23 383	342	1.4	28 267	27 964	303	1.1
RAIL VEHICLE OPERATORS, N.E.C.	33 618	33 127	491	1.5	39 699	39 072	627	1.6
WATER TRANSPORTATION OCCUPATIONS	3 255	3 164	91	2.8	3 592	3 592	0	.0
SHIP CAPTAINS AND MATES, EXCEPT FISHING BOATS	8 824	8 625	199	2.3	7 508	7 367	141	1.9
SAILORS AND DECKHANDS	2 909	2 868	41	1.4	2 398	2 318	70	2.9
MARINE ENGINEERS	4 099	4 012	87	2.1	3 600	3 529	71	2.0
BRIDGE, LOCK, AND LIGHTHOUSE TENDERS	717	699	18	2.5	0	0	0	.0
MATERIAL MOVING EQUIPMENT OPERATORS	1 099	1 046	53	4.8	1 520	1 520	0	.0
SUPERVISORS, MATERIAL MOVING EQUIPMENT OPERATORS	367 326	346 800	20 526	5.6	270 196	260 314	9 882	3.7
OPERATING ENGINEERS	8 669	8 318	351	4.0	3 155	3 155	0	.0
LONGSHORE EQUIPMENT OPERATORS	62 617	61 886	731	1.2	32 190	31 836	354	1.1
MOIST AND WINCH OPERATORS	283	267	16	5.7	166	166	0	.0
CRANE AND TOWER OPERATORS	4 732	4 501	231	4.9	5 490	5 490	0	.0
EXCAVATING AND LOADING MACHINE OPERATORS	46 872	45 669	1 203	2.6	50 973	50 065	908	1.8
GRADER, DOZER, AND SCRAPER OPERATORS	18 958	18 699	259	1.4	17 978	17 978	0	.0
INDUSTRIAL TRUCK & TRACTOR EQUIPMENT OPERATORS	20 288	20 044	244	1.2	29 095	28 636	459	1.6
MISC. MATERIAL MOVING EQUIPMENT OPERATORS	145 464	137 556	7 908	5.4	98 834	96 943	1 891	1.9
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS	59 443	49 860	9 583	16.1	32 315	26 045	6 270	19.4
SUPERVISORS, HANDLERS, EQUIPMENT CLEANERS, AND LABORERS, N.E.C.	1 384 464	1 098 784	285 680	20.6	1 302 903	1 067 501	235 402	18.1
HELPERS, MECHANICS AND REPAIRERS	887	742	145	16.3	455	455	0	.0
HELPERS, CONSTRUCTION AND EXTRACTIVE OCCUPATIONS	4 607	4 327	280	6.1	7 801	7 801	0	.0
HELPERS, CONSTRUCTION TRADES	25 294	24 218	1 076	4.3	26 733	26 693	40	.1
HELPERS, SURVEYOR	19 292	18 706	586	3.0	21 709	21 709	0	.0
HELPERS, EXTRACTIVE OCCUPATIONS	2 301	2 148	153	6.6	2 672	2 632	40	1.5
CONSTRUCTION LABORERS	3 701	3 364	337	9.1	2 352	2 352	0	.0
PRODUCTION HELPERS	203 665	198 471	5 194	2.6	135 500	133 010	2 490	1.8
FREIGHT, STOCK, AND MATERIAL HANDLERS	28 496	21 962	6 534	22.9	48 864	38 670	10 194	20.9
GARBAGE COLLECTORS	388 115	328 297	59 818	15.4	411 232	368 676	42 556	10.3
STEVEDORES	16 156	15 664	492	3.0	16 673	16 408	265	1.6
STOCK HANDLERS AND BAGGERS	1 113	1 099	14	1.3	3 074	2 991	83	2.7
MACHINE FEEDERS AND OFFBEARERS	209 157	167 021	42 136	20.1	190 629	166 762	23 867	12.5
FREIGHT, STOCK, AND MATERIAL HANDLERS, N.E.C.	25 819	16 154	9 665	37.4	30 078	22 108	7 970	26.5
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	135 870	128 359	7 511	5.5	170 778	160 407	10 371	6.1
VEHICLE WASHERS AND EQUIPMENT CLEANERS	106 181	97 377	8 804	8.3	144 295	140 443	3 852	2.7
HAND PACKERS AND PACKAGERS	45 754	39 446	6 308	13.8	45 470	40 958	4 512	9.9
LABORERS, EXCEPT CONSTRUCTION	179 059	59 901	119 158	66.5	182 177	61 601	120 576	66.2
MANUFACTURING	402 406	324 043	78 363	19.5	300 376	249 194	51 182	17.0
NONDURABLE GOODS	212 735	164 315	48 420	22.8	149 536	122 527	27 009	18.1
DURABLE GOODS	72 775	52 358	20 417	28.1	56 416	40 593	15 823	28.0
TRANS., COMMUNICATIONS, & OTHER PUB. UTILITIES	139 960	111 957	28 003	20.0	93 120	81 934	11 186	12.0
WHOLESALE AND RETAIL TRADE	46 065	42 989	3 076	6.7	34 574	33 211	1 363	3.9
ALL OTHER INDUSTRIES	90 223	73 952	16 271	18.0	75 418	59 746	15 672	20.8
EXPERIENCED UNEMPLOYED NOT CLASSIFIED BY OCCUPATION	53 383	42 787	10 596	19.8	40 848	33 710	7 138	17.5
	87 502	31 914	55 588	63.5	27 258	10 465	16 793	61.6

Detailed Occupation of the Experienced Civilian Labor Force by Sex: 1980 and 1970—Con.

(DATA BASED ON SAMPLE; SEE TEXT. FOR DEFINITIONS OF TERMS AND MEANING OF SYMBOLS, SEE TEXT)

UNITED STATES REGIONS	1980				1970			
	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
SOUTH								
EXPERIENCED CIVILIAN LABOR FORCE, 16 YEARS AND OVER	33 451 838	19 095 118	14 356 720	42.9	23 646 862	14 496 048	9 150 814	38.7
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS.	6 945 862	4 014 953	2 930 909	42.2	4 105 869	2 627 754	1 478 115	36.0
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS.	3 245 025	2 227 239	1 017 786	31.4	1 687 817	1 358 727	329 090	19.5
LEGISLATORS, CHIEF EXECUTIVES AND GENERAL ADMINISTRATORS, PUBLIC ADMINISTRATION.	16 684	12 492	4 192	25.1	3 143	3 143	0	.0
ADMINISTRATORS & OFFICIALS, PUBLIC ADMINISTRATION.	116 517	78 189	38 328	32.9	92 383	73 503	18 880	20.4
ADMINISTRATORS, PROTECTIVE SERVICES.	9 251	8 100	1 151	12.4	6 704	6 704	0	.0
FINANCIAL MANAGERS.	116 833	79 041	37 792	32.3	61 421	49 237	12 184	19.8
PERSONNEL AND LABOR RELATIONS MANAGERS.	71 485	46 418	25 067	35.1	19 190	15 131	4 059	21.2
PURCHASING MANAGERS.	20 280	15 516	4 764	23.5	11 575	10 578	997	8.6
MANAGERS, MARKETING, ADVERTISING, & PUB. RELATIONS.	192 356	158 460	33 896	17.6	113 936	104 645	9 291	8.2
ADMINISTRATORS, EDUCATION AND RELATED FIELDS.	126 513	76 638	49 875	39.4	65 806	47 128	18 678	28.4
MANAGERS, MEDICINE AND HEALTH.	34 031	16 745	17 286	50.8	15 409	6 429	8 980	58.3
MANAGERS, PROPERTIES AND REAL ESTATE.	64 534	35 210	29 324	45.4	31 778	20 494	11 284	35.5
POSTMASTERS AND MAIL SUPERINTENDENTS.	11 124	5 690	5 434	48.8	12 675	7 762	4 913	36.8
FUNERAL DIRECTORS.	14 882	13 528	1 354	9.1	12 634	11 710	924	7.3
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED.	1 465 518	1 061 365	404 153	27.6	622 160	512 513	109 647	17.6
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED.	180 242	130 486	49 756	27.6	158 220	135 576	22 644	14.3
MANAGEMENT RELATED OCCUPATIONS.	804 775	489 361	315 414	39.2	460 783	354 174	106 609	23.1
ACCOUNTANTS AND AUDITORS.	305 145	178 023	127 122	41.7	166 348	122 302	44 046	26.5
UNDERWRITERS.	4 261	1 443	2 818	66.1	776	776	0	.0
OTHER FINANCIAL OFFICERS.	119 053	65 898	53 155	44.6	54 613	40 724	13 889	25.4
MANAGEMENT ANALYSTS.	41 226	29 796	11 430	27.7	8 407	7 314	1 093	13.0
PERSONNEL, TNG., AND LABOR RELATIONS SPECIALISTS.	130 518	69 241	61 277	46.9	71 849	48 184	23 665	32.9
PURCHASING AGENTS AND BUYERS, FARM PRODUCTS.	6 386	5 736	650	10.2	6 333	6 164	169	2.7
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS.	49 034	27 497	21 537	43.9	42 985	30 655	12 330	28.7
PURCHASING AGENTS AND BUYERS, N.E.C.	55 865	38 579	17 286	30.9	39 628	33 785	5 843	14.7
BUSINESS AND PROMOTION AGENTS.	5 746	4 022	1 724	30.0	3 201	2 500	701	21.9
CONSTRUCTION INSPECTORS.	17 100	16 117	983	5.7	15 236	15 160	76	.5
INSPECTORS & COMPLIANCE OFFICERS, EXCEPT CONSTR.	56 819	46 775	10 044	17.7	43 991	40 720	3 271	7.4
MANAGEMENT RELATED OCCUPATIONS, N.E.C.	13 622	6 234	7 388	54.2	7 416	5 890	1 526	20.6
PROFESSIONAL SPECIALTY OCCUPATIONS.	3 700 837	1 787 714	1 913 123	51.7	2 418 052	1 269 027	1 149 025	47.5
ENGINEERS, ARCHITECTS, AND SURVEYORS.	428 713	407 338	21 375	5.0	332 013	325 184	6 829	2.1
ARCHITECTS.	31 630	29 010	2 620	8.3	13 973	13 448	525	3.8
ENGINEERS.	385 474	367 086	18 388	4.8	312 878	306 574	6 304	2.0
AEROSPACE.	17 262	16 687	575	3.3	16 306	15 975	331	2.0
METALLURGICAL AND MATERIALS.	4 685	4 382	303	6.5	5 684	5 617	67	1.2
MINING.	3 503	3 387	116	3.3	1 537	1 522	15	1.0
PETROLEUM.	16 615	16 068	547	3.3	7 961	7 853	108	1.4
CHEMICAL.	23 287	22 057	1 230	5.3	19 611	19 363	248	1.3
NUCLEAR.	2 691	2 576	113	4.2	612	612	0	.0
CIVIL.	64 689	62 818	1 871	2.9	52 764	52 053	711	1.3
AGRICULTURAL.	884	807	77	8.7	0	0	0	.0
ELECTRICAL AND ELECTRONIC.	87 793	82 760	5 033	5.7	72 866	71 593	1 273	1.7
INDUSTRIAL.	46 138	41 289	4 849	10.5	46 828	45 163	1 665	3.6
MECHANICAL.	39 310	38 502	808	2.1	39 052	38 649	403	1.0
MARINE AND NAVAL ARCHITECTS.	6 946	6 831	115	1.7	2 533	2 533	0	.0
ENGINEERS, N.E.C.	71 671	68 920	2 751	3.8	47 124	45 641	1 483	3.1
SURVEYORS AND MAPPING SCIENTISTS.	11 609	11 242	367	3.2	5 162	5 162	0	.0
MATHEMATICAL AND COMPUTER SCIENTISTS.	96 089	70 450	25 639	26.7	56 093	45 897	10 196	18.2
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS.	54 022	42 113	11 909	22.0	27 996	24 026	3 970	14.2
OPERATIONS AND SYSTEMS RESEARCHERS AND ANALYSTS.	26 679	19 083	7 596	28.5	15 946	13 808	2 138	13.4
ACTUARIES.	1 732	1 317	415	24.0	931	693	238	25.6
STATISTICIANS.	10 821	5 809	5 012	46.3	7 836	4 722	3 114	39.7
MATHEMATICAL SCIENTISTS, N.E.C.	2 835	2 128	707	24.9	3 384	2 648	736	21.7
NATURAL SCIENTISTS.	105 175	85 760	19 415	18.5	71 467	62 532	8 935	12.5
PHYSICISTS AND ASTRONOMERS.	6 051	5 678	373	6.2	5 989	5 650	339	5.7
CHEMISTS, EXCEPT BIOCHEMISTS.	29 837	23 555	6 282	21.1	23 026	20 333	2 693	11.7
ATMOSPHERIC AND SPACE SCIENTISTS.	2 986	2 531	455	15.2	2 192	2 003	189	8.6
GEOLOGISTS AND GEODESISTS.	23 128	20 550	2 578	11.1	12 814	12 341	473	3.7
PHYSICAL SCIENTISTS, N.E.C.	3 193	2 661	532	16.7	486	432	54	11.1
AGRICULTURAL AND FOOD SCIENTISTS.	8 512	6 664	1 848	21.7	6 255	5 546	709	11.3
BIOLOGICAL AND LIFE SCIENTISTS.	12 857	8 748	4 109	32.0	8 099	5 223	2 876	35.5
FORESTRY AND CONSERVATION SCIENTISTS.	12 762	11 832	930	7.3	11 550	10 563	987	8.5
MEDICAL SCIENTISTS.	5 849	3 541	2 308	39.5	1 056	441	615	58.2
HEALTH DIAGNOSING OCCUPATIONS.	182 191	161 169	21 022	11.5	111 998	103 771	8 227	7.3
PHYSICIANS.	125 161	110 048	15 113	12.1	74 646	68 181	6 465	8.7
DENTISTS.	33 620	30 634	2 986	8.9	22 126	21 254	872	3.9
VETERINARIANS.	10 859	9 321	1 538	14.2	6 165	5 890	275	4.5
OPTOMETRISTS.	6 076	5 552	524	8.6	4 354	4 148	206	4.7
PODIATRISTS.	1 370	1 195	175	12.8	995	932	63	6.3
HEALTH DIAGNOSING PRACTITIONERS, N.E.C.	5 105	4 419	686	13.4	3 712	3 366	346	9.3

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UNITED STATES REGIONS	1980				1970			
	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
SOUTH								
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS--CON.								
PROFESSIONAL SPECIALTY OCCUPATIONS--CON.								
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	487 230	76 543	410 687	84.3	264 874	42 280	222 594	84.0
REGISTERED NURSES	352 557	17 303	335 254	95.1	199 541	5 630	193 911	97.2
PHARMACISTS	47 357	35 970	11 387	24.0	32 774	28 932	3 842	11.7
DIETITIANS	22 182	1 980	20 202	91.1	14 391	1 136	13 255	92.1
THERAPISTS	54 104	15 147	38 957	72.0	18 168	6 582	11 586	63.8
INHALATION THERAPISTS	16 466	6 938	9 528	57.9	2 191	1 605	586	26.7
OCCUPATIONAL THERAPISTS	3 438	334	3 104	90.3	2 402	642	1 760	73.3
PHYSICAL THERAPISTS	11 381	2 962	8 419	74.0	4 217	1 285	2 932	69.5
SPEECH THERAPISTS	11 432	1 062	10 370	90.7	3 988	320	3 668	92.0
THERAPISTS, N.E.C.	11 387	3 851	7 536	66.2	5 370	2 730	2 640	49.2
PHYSICIANS' ASSISTANTS	11 030	6 143	4 887	44.3	0	0	0	.0
TEACHERS, POSTSECONDARY	189 401	116 865	72 536	38.3	139 034	95 863	43 171	31.1
BIOLOGICAL SCIENCE TEACHERS	2 772	1 885	887	32.0	5 480	4 232	1 248	22.8
CHEMISTRY TEACHERS	2 280	1 835	445	19.5	4 319	3 807	512	11.9
PHYSICS TEACHERS	1 422	1 320	102	7.2	3 557	3 288	269	7.6
OTHER NATURAL SCIENCE TEACHERS	723	607	116	16.0	1 703	1 625	78	4.6
PSYCHOLOGY TEACHERS	1 610	987	623	38.7	3 073	1 783	1 290	42.0
ECONOMICS TEACHERS	1 469	1 117	352	24.0	2 647	2 431	216	8.2
HISTORY TEACHERS	1 776	1 360	416	23.4	4 855	3 913	942	19.4
OTHER SOCIAL SCIENCE TEACHERS	1 829	1 363	466	25.5	4 824	4 176	648	13.4
ENGINEERING TEACHERS	3 242	2 897	345	10.6	4 662	4 358	304	6.5
MATHEMATICAL AND COMPUTER SCIENCE TEACHERS	5 737	3 666	2 071	36.1	7 933	6 189	1 744	22.0
MEDICAL SCIENCE TEACHERS	2 660	2 076	582	21.9	2 424	2 424	0	.0
HEALTH SPECIALTIES TEACHERS	5 997	819	5 178	86.3	6 134	1 518	4 616	75.3
BUSINESS, COMMERCE, AND MARKETING TEACHERS	2 502	1 186	1 316	52.6	2 736	1 856	880	32.2
ART, DRAMA, AND MUSIC TEACHERS	7 989	3 931	4 058	50.8	11 759	6 920	4 839	41.2
ENGLISH TEACHERS	7 481	2 969	4 512	60.3	11 237	5 887	5 350	47.6
FOREIGN LANGUAGE TEACHERS	2 282	869	1 413	61.9	6 807	4 387	2 420	35.6
OTHER SPECIFIED TEACHERS	10 652	6 765	3 887	36.5	15 748	10 823	4 925	31.3
POSTSECONDARY TEACHERS, SUBJECT NOT SPECIFIED	126 978	81 211	45 767	36.0	39 136	26 246	12 890	32.9
TEACHERS, EXCEPT POSTSECONDARY	1 231 868	288 659	943 209	76.6	870 382	208 560	661 822	76.0
TEACHERS, PREKINDERGARTEN AND KINDERGARTEN	67 138	1 864	65 274	97.2	44 861	933	43 928	97.9
TEACHERS, ELEMENTARY SCHOOL	795 943	154 198	641 745	80.6	457 726	58 615	399 111	87.2
TEACHERS, SECONDARY SCHOOL	258 153	90 043	168 110	65.1	293 828	122 082	171 746	58.5
TEACHERS, SPECIAL EDUCATION	10 248	3 529	6 719	65.6	4 453	0	4 453	100.0
TEACHER, N.E.C.	100 386	39 025	61 361	61.1	73 514	26 930	46 584	63.4
COUNSELORS, EDUCATIONAL AND VOCATIONAL	59 791	24 651	35 140	58.8	30 215	15 728	14 487	47.9
LIBRARIANS, ARCHIVISTS, AND CURATORS	63 401	11 664	51 737	81.6	40 940	7 037	33 903	82.8
LIBRARIANS	58 737	9 347	49 390	84.1	38 807	5 592	33 215	85.6
ARCHIVISTS AND CURATORS	4 664	2 317	2 347	50.3	2 133	1 445	688	32.3
SOCIAL SCIENTISTS AND URBAN PLANNERS	59 217	38 832	20 385	34.4	27 559	21 345	6 214	22.5
ECONOMISTS	28 654	21 025	7 629	26.6	16 279	13 344	2 935	18.0
PSYCHOLOGISTS	21 243	11 294	9 949	46.8	5 850	3 641	2 209	37.8
SOCIOLOGISTS	642	389	253	39.4	405	232	173	42.7
SOCIAL SCIENTISTS, N.E.C.	5 254	3 444	1 810	34.4	2 404	1 782	622	25.9
URBAN PLANNERS	3 424	2 680	744	21.7	2 621	2 346	275	10.5
SOCIAL, RECREATION, AND RELIGIOUS WORKERS	259 746	154 010	105 736	40.7	164 117	112 313	51 804	31.6
SOCIAL WORKERS	125 130	38 925	86 205	68.9	57 209	18 260	38 949	68.1
RECREATION WORKERS	9 027	3 141	5 886	65.2	11 132	6 183	4 949	44.5
CLERGY	110 159	105 049	5 110	4.6	84 549	82 511	2 038	2.4
RELIGIOUS WORKERS, N.E.C.	15 430	6 895	8 535	55.3	11 227	5 359	5 868	52.3
LAWYERS AND JUDGES	162 625	140 573	22 052	13.6	81 718	77 622	4 096	5.0
LAWYERS	152 525	131 992	20 533	13.5	76 816	72 986	3 830	5.0
JUDGES	10 100	8 581	1 519	15.0	4 902	4 636	266	5.4
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	375 390	211 200	164 190	43.7	227 642	150 895	76 747	33.7
AUTHORS	8 914	4 969	3 945	44.3	6 520	4 586	1 934	29.7
TECHNICAL WRITERS	13 586	8 204	5 382	39.6	3 150	2 478	672	21.3
DESIGNERS	92 130	38 455	53 675	58.3	53 886	29 411	24 475	45.4
MUSICIANS AND COMPOSERS	40 200	28 179	12 021	29.9	26 329	17 337	8 992	34.2
ACTORS AND DIRECTORS	12 016	8 079	3 937	32.8	8 560	5 914	2 646	30.9
PAINTERS, SCULPTORS, CRAFT-ARTISTS, AND ARTIST PRINTMAKERS	37 115	17 880	19 235	51.8	17 422	9 641	7 781	44.7
PHOTOGRAPHERS	27 208	20 392	6 816	25.1	17 230	14 162	3 068	17.8
DANCERS	3 345	648	2 697	80.6	1 410	185	1 225	86.9
ARTISTS, PERFORMERS, AND RELATED WORKERS, N.E.C.	14 770	8 837	5 933	40.2	12 703	9 237	3 466	27.3
EDITORS AND REPORTERS	55 145	28 154	26 991	48.9	37 202	21 691	15 511	41.7
PUBLIC RELATIONS SPECIALISTS	34 604	18 078	16 526	47.8	21 482	16 215	5 267	24.5
ANNOUNCERS	18 422	15 045	3 377	18.3	9 260	8 595	665	7.2
ATHLETES	17 935	14 280	3 655	20.4	12 488	11 443	1 045	8.4

Detailed Occupation of the Experienced Civilian Labor Force by Sex: 1980 and 1970 - Con.

(DATA BASED ON SAMPLE; SEE TEXT, FOR DEFINITIONS OF TERMS AND MEANING OF SYMBOLS, SEE TEXT)

UNITED STATES REGIONS	1980				1970			
	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
SOUTH								
TECH., SALES, & ADMIN. SUPPORT OCCUPATIONS. . . .	9 715 175	3 466 700	6 248 475	64.3	6 461 278	2 705 540	3 755 738	58.1
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS. . . .	987 847	542 110	445 737	45.1	508 620	326 433	182 187	35.8
HEALTH TECHNOLOGISTS AND TECHNICIANS.	331 538	53 623	277 915	83.8	158 147	27 799	130 348	82.4
CLINICAL LAB. TECHNOLOGISTS & TECHNICIANS.	77 717	20 221	57 496	74.0	35 831	10 856	24 975	69.7
DENTAL HYGIENISTS.	13 885	191	13 694	98.6	4 066	263	3 803	93.5
HEALTH RECORD TECHNOLOGISTS AND TECHNICIANS.	4 846	480	4 366	90.1	3 429	236	3 193	93.1
RADIOLOGIC TECHNICIANS.	29 658	8 657	21 001	70.8	15 086	4 736	10 350	68.6
LICENSED PRACTICAL NURSES.	153 441	4 898	148 543	96.8	80 427	2 603	77 824	96.8
HEALTH TECHNOLOGISTS AND TECHNICIANS, N.E.C.. . . .	51 991	19 176	32 815	63.1	19 308	9 105	10 203	52.3
ENGR. AND RELATED TECHNOLOGISTS AND TECHNICIANS.	291 392	238 044	53 348	18.3	197 452	176 899	20 553	10.4
ELECTRICAL AND ELECTRONIC TECHNICIANS.	77 491	68 371	9 120	11.8	40 948	38 377	2 571	6.3
INDUSTRIAL ENGINEERING TECHNICIANS.	4 608	3 638	970	21.1	3 594	2 523	1 071	29.8
MECHANICAL ENGINEERING TECHNICIANS.	4 099	3 861	238	5.8	2 090	2 004	86	4.1
ENGINEERING TECHNICIANS, N.E.C.. . . .	88 185	65 083	23 102	26.2	61 667	53 065	8 602	13.9
DRAFTING OCCUPATIONS.	93 136	75 008	18 128	19.5	70 617	63 150	7 467	10.6
SURVEYING AND MAPPING TECHNICIANS.	23 873	22 083	1 790	7.5	18 536	17 780	756	4.1
SCIENCE TECHNICIANS.	65 276	46 459	18 817	28.8	42 211	33 295	9 916	21.1
BIOLOGICAL TECHNICIANS.	12 891	7 803	5 088	39.5	7 630	5 375	2 255	29.6
CHEMICAL TECHNICIANS.	27 920	21 689	6 231	22.3	24 836	21 033	3 803	15.3
SCIENCE TECHNICIANS, N.E.C.. . . .	24 465	16 967	7 498	30.6	9 745	6 887	2 858	29.3
TECHNICIANS; EXC. HEALTH, ENGINEERING, & SCIENCE	299 641	203 984	95 657	31.9	110 810	88 440	22 370	20.2
AIRPLANE PILOTS AND NAVIGATORS.	29 481	29 048	433	1.5	19 898	19 539	359	1.8
AIR TRAFFIC CONTROLLERS.	16 189	13 932	2 257	13.9	10 391	9 792	599	5.8
BROADCAST EQUIPMENT OPERATORS.	25 094	14 112	10 982	43.8	11 757	9 460	2 297	19.5
COMPUTER PROGRAMMERS.	86 712	58 353	28 359	32.7	39 917	29 717	10 200	25.6
TOOL PROGRAMMERS, NUMERICAL CONTROL.	2 086	1 426	660	31.6	739	598	141	19.1
LEGAL ASSISTANTS.	27 180	8 129	19 051	70.1	4 759	1 817	2 942	61.8
TECHNICIANS, N.E.C.. . . .	112 899	78 984	33 915	30.0	23 349	17 517	5 832	25.0
SALES OCCUPATIONS.	3 358 638	1 715 021	1 643 617	48.9	2 395 569	1 421 612	973 957	40.7
SUPERVISORS & PROPS., SALES OCCUPATIONS, SALARIED	368 308	265 626	102 682	27.9	235 459	201 924	33 535	14.2
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS.	166 338	119 669	46 669	28.1	193 086	149 281	43 805	22.7
SELF-EMPLOYED.	571 164	368 662	202 502	35.5	316 701	259 942	56 759	17.9
SALES REPRESENTATIVES, FINANCE & BUSINESS SERVICES	193 244	144 020	49 224	25.5	151 191	131 207	19 984	13.2
INSURANCE SALES OCCUPATIONS.	206 725	110 006	96 719	46.8	85 872	58 139	27 733	32.3
REAL ESTATE SALES OCCUPATIONS.	30 531	24 821	5 710	18.7	20 925	18 844	2 081	9.9
SECURITIES AND FINANCIAL SERVICES SALES	31 506	17 801	13 705	43.5	15 932	12 380	3 552	22.3
OCCUPATIONS.	109 158	72 014	37 144	34.0	42 781	39 372	3 409	8.0
ADVERTISING AND RELATED SALES OCCUPATIONS.	418 777	359 853	58 924	14.1	303 063	283 458	19 605	6.5
SALES OCCUPATIONS, OTHER BUSINESS SERVICES.	10 052	9 673	379	3.8	11 166	11 088	78	.7
SALES REPRESENTATIVES, COMMODITIES EXCEPT RETAIL	408 725	350 180	58 545	14.3	291 897	272 370	19 527	6.7
SALES ENGINEERS.	1 825 507	596 771	1 228 736	67.3	1 340 669	524 815	815 854	60.9
SALES REPRESENTATIVES, MINING, MANUFACTURING,	108 454	99 986	8 468	7.8	77 546	75 966	1 580	2.0
AND WHOLESALE.	141 975	24 796	117 179	82.5	160 963	32 704	128 259	79.7
SALES WORKERS, RETAIL AND PERSONAL SERVICES.	37 972	14 629	23 343	61.5	38 173	21 511	16 662	43.6
SALES WORKERS, MOTOR VEHICLES AND BOATS.	50 104	29 150	20 954	41.8	45 548	28 028	17 520	38.5
SALES WORKERS, APPAREL.	34 263	23 892	10 371	30.3	35 616	27 521	8 095	22.7
SALES WORKERS, SHOES.	60 571	47 885	12 686	20.9	68 767	58 796	9 971	14.5
SALES WORKERS, FURNITURE AND HOME FURNISHINGS.	67 165	61 355	5 810	8.7	56 629	54 356	2 273	4.0
SALES WORKERS, RADIO, TV, HI-FI, AND APPLIANCES.	545 469	151 650	393 819	72.2	445 618	135 563	310 055	69.6
SALES WORKERS, HARDWARE AND BUILDING SUPPLIES.	32 328	9 007	23 321	72.1	34 103	10 027	24 076	70.6
SALES WORKERS, PARTS.	653 032	101 852	551 180	84.4	293 490	49 385	244 105	83.2
SALES WORKERS, OTHER COMMODITIES.	62 507	13 150	49 357	79.0	62 392	13 840	48 552	77.8
SALES COUNTER CLERKS.	31 667	19 419	12 248	38.7	21 824	17 118	4 706	21.6
CASHIERS.	8 544	4 440	4 104	48.0	6 591	2 192	4 399	66.7
STREET AND DOOR-TO-DOOR SALES WORKERS.	2 842	670	2 172	76.4	3 600	832	2 768	76.9
NEWS VENDORS.	2 349	2 015	334	14.2	1 440	1 360	80	5.6
SALES RELATED OCCUPATIONS.	3 353	1 755	1 598	47.7	1 551	0	1 551	100.0
ADMINISTRATIVE SUPPORT OCCUPATIONS.	5 368 690	1 209 569	4 159 121	77.5	3 557 089	957 495	2 599 594	73.1
INCLUDING CLERICAL.	311 952	173 714	138 238	44.3	115 547	53 569	61 978	53.6
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS.	191 366	93 819	97 547	51.0	74 198	29 756	44 442	59.9
SUPERVISORS, GENERAL OFFICE.	10 401	7 355	3 046	29.3	3 602	2 923	679	18.9
SUPERVISORS, COMPUTER EQUIPMENT OPERATORS.	41 900	21 308	20 592	49.1	11 139	6 394	4 745	42.6
SUPERVISORS, FINANCIAL RECORDS PROCESSING.	23 573	15 201	8 372	35.5	13 041	2 485	10 556	80.9
CHIEF COMMUNICATIONS OPERATORS.	44 712	36 031	8 681	19.4	13 567	12 011	1 556	11.5
SUPERVISORS; DISTRIBUTION, SCHEDULING, AND	129 546	53 212	76 334	58.9	42 228	24 877	17 351	41.1
ADJUSTING CLERKS.	122 811	50 360	72 451	59.0	31 074	20 601	10 473	33.7
COMPUTER EQUIPMENT OPERATORS.	6 735	2 852	3 883	57.7	11 154	4 276	6 878	61.7
COMPUTER OPERATORS.								
PERIPHERAL EQUIPMENT OPERATORS.								

Detailed Occupation of the Experienced Civilian Labor Force by Sex: 1980 and 1970 - Con.

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UNITED STATES REGIONS	1980				1970			
	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
SOUTH								
TECH., SALES, & ADMIN. SUPPORT OCCUPATIONS--CON.								
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL--CON.								
SECRETARIES, STENOGRAPHERS AND TYPISTS	1 531 698	24 956	1 506 742	98.4	1 087 028	32 518	1 054 510	97.0
SECRETARIES	1 302 744	16 548	1 286 196	98.7	809 829	16 571	793 258	98.0
STENOGRAPHERS	26 357	2 253	24 104	91.5	37 116	1 998	35 118	94.6
TYPISTS	202 597	6 155	196 442	97.0	240 083	13 949	226 134	94.2
INFORMATION CLERKS	285 873	43 306	242 567	84.9	173 541	35 096	138 445	79.8
INTERVIEWERS	41 239	8 664	32 575	79.0	38 748	6 276	31 872	82.3
MOTEL CLERKS	25 320	7 674	17 646	69.7	13 175	6 343	6 832	51.9
TRANSPORTATION TICKET AND RESERVATION AGENTS	34 325	15 395	18 930	55.1	23 434	14 228	9 206	39.3
RECEPTIONISTS	160 776	6 208	154 568	96.1	84 464	3 889	80 575	95.4
INFORMATION CLERKS, N.E.C.	24 213	5 365	18 848	77.8	13 720	3 760	9 960	72.6
RECORDS PROCESSING OCCUPATIONS, EXCEPT FINANCIAL	280 668	60 342	220 326	78.5	175 563	39 637	135 926	77.4
CLASSIFIED-AD CLERKS	4 096	1 026	3 070	75.0	2 493	614	1 879	75.4
CORRESPONDENCE CLERKS	5 167	1 034	4 133	80.0	3 384	1 105	2 279	67.3
ORDER CLERKS	85 896	27 033	58 863	68.5	29 529	6 604	22 925	77.6
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	24 022	2 982	21 040	87.6	2 297	222	2 075	90.3
LIBRARY CLERKS	35 674	6 808	28 866	80.9	32 205	7 780	24 425	75.8
FILE CLERKS	85 115	16 690	68 425	80.4	88 380	17 276	71 104	80.5
RECORDS CLERKS	40 698	4 769	35 929	88.3	17 275	6 036	11 239	65.1
FINANCIAL RECORDS PROCESSING OCCUPATIONS	697 200	79 411	617 789	88.6	583 263	113 956	469 327	80.5
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	579 166	59 033	520 133	89.8	476 772	88 892	387 880	81.4
PAYROLL AND TIMEKEEPING CLERKS	46 206	7 107	39 099	84.6	40 914	12 051	28 863	70.5
BILLING CLERKS	31 868	3 432	28 436	89.2	30 027	5 792	24 235	80.7
COST AND RATE CLERKS	24 847	8 011	16 836	67.8	11 346	4 527	6 819	60.1
BILLING, POSTING, & CALCULATING MACH. OPERATORS	15 113	1 828	13 285	87.9	24 224	2 694	21 530	88.9
DUPLICATING, MAIL & OTHER OFFICE MACHINE OPERATORS	17 134	6 320	10 814	63.1	14 165	5 333	8 832	62.4
DUPLICATING MACHINE OPERATORS	5 166	2 238	2 928	56.7	4 796	2 102	2 694	56.2
MAIL PREPARING & PAPER HANDLING MACH. OPERATORS	1 927	803	1 124	58.3	3 400	807	2 593	76.3
OFFICE MACHINE OPERATORS, N.E.C.	10 041	3 279	6 762	67.3	5 969	2 424	3 545	59.4
COMMUNICATIONS EQUIPMENT OPERATORS	101 297	11 171	90 126	89.0	120 505	10 368	110 137	91.4
TELEPHONE OPERATORS	96 201	8 810	87 391	90.8	116 402	7 503	108 899	93.6
TELEGRAPHERS	2 708	1 847	861	31.8	4 103	2 865	1 238	30.2
COMMUNICATIONS EQUIPMENT OPERATORS, N.E.C.	2 388	514	1 874	78.5	0	0	0	.0
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	222 043	157 023	65 020	29.3	193 957	150 037	43 920	22.6
POSTAL CLERKS, EXC. MAIL CARRIERS	72 617	47 072	25 545	35.2	76 883	53 432	23 451	30.5
MAIL CARRIERS, POSTAL SERVICE	77 652	67 337	10 315	13.3	72 759	67 846	4 913	6.8
MAIL CLERKS, EXC. POSTAL SERVICE	49 264	26 573	22 691	46.1	31 661	18 872	12 789	40.4
MESSENGERS	22 510	16 041	6 469	28.7	12 654	9 887	2 767	21.9
MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING CLERKS	542 797	353 941	188 856	34.8	396 380	308 213	88 167	22.2
DISPATCHERS	28 966	19 213	9 753	33.7	19 732	16 397	3 335	16.9
PRODUCTION COORDINATORS	72 424	39 755	32 669	45.1	35 474	27 708	7 766	21.9
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	154 604	113 563	41 021	26.5	124 337	106 340	17 997	14.5
STOCK AND INVENTORY CLERKS	200 077	131 494	68 583	34.3	146 047	109 123	36 924	25.3
METER READERS	16 901	15 470	1 431	8.5	12 900	12 539	361	2.8
WEIGHERS, MEASURERS, AND CHECKERS	27 127	17 572	9 555	35.2	29 611	20 849	8 762	29.6
SAMPLERS	1 178	708	470	39.9	2 360	1 899	461	19.5
EXPEDITERS	28 954	12 222	16 732	57.8	17 702	10 925	6 777	38.3
MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING CLERKS, N.E.C.	12 566	3 924	8 642	68.8	8 217	2 433	5 784	70.4
ADJUSTERS AND INVESTIGATORS	160 817	60 949	99 868	62.1	97 135	59 705	37 430	38.5
INSURANCE ADJUSTERS, EXAMINERS, & INVESTIGATORS	44 918	17 514	27 404	61.0	25 036	17 925	7 111	28.4
INVESTIGATORS AND ADJUSTERS, EXCEPT INSURANCE	75 594	29 107	46 487	61.5	50 532	28 297	22 235	44.0
ELIGIBILITY CLERKS, SOCIAL WELFARE	10 186	1 587	8 599	84.4	566	137	429	76.6
BILL AND ACCOUNT COLLECTORS	30 119	12 741	17 378	57.7	20 981	13 346	7 635	36.4
MISCELLANEOUS ADMINISTRATIVE SUPPORT OCCUPATIONS	1 087 665	185 224	902 441	83.0	557 757	124 186	433 571	77.7
GENERAL OFFICE CLERKS	591 314	107 394	483 920	81.8	235 538	60 523	175 015	74.3
BANK TELLERS	147 661	11 520	136 141	92.2	72 557	8 773	63 784	87.9
PROOFREADERS	7 212	1 298	5 914	82.0	7 685	1 919	5 766	75.0
DATA-ENTRY KEYERS	109 449	8 270	101 179	92.4	74 995	5 017	69 978	93.3
STATISTICAL CLERKS	44 008	11 481	32 527	73.9	46 941	16 278	30 663	65.3
TEACHERS' AIDES	65 845	4 282	61 563	93.5	39 601	4 026	35 575	89.8
ADMINISTRATIVE SUPPORT OCCUPATIONS, N.E.C.	122 176	40 979	81 197	66.5	80 440	27 650	52 790	65.6
SERVICE OCCUPATIONS	4 247 617	1 631 944	2 615 673	61.6	3 117 107	1 084 887	2 032 220	65.2
PRIVATE HOUSEHOLD OCCUPATIONS	281 046	11 232	269 814	96.0	602 200	20 095	582 105	96.7
LAUNDERS AND IRONERS	699	153	546	78.1	6 033	233	5 800	96.1
COOKS, PRIVATE HOUSEHOLD	5 992	606	5 386	89.9	19 988	926	19 062	95.4
HOUSEKEEPERS AND BUTLERS	23 083	836	22 247	96.4	24 183	921	23 262	96.2
CHILD CARE WORKERS, PRIVATE HOUSEHOLD	49 871	1 070	48 801	97.9	78 044	1 570	76 474	98.0
PRIVATE HOUSEHOLD CLEANERS AND SERVANTS	201 401	8 567	192 834	95.7	473 952	16 445	457 507	96.5

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	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
SOUTH								
SERVICE OCCUPATIONS--CON.								
PROTECTIVE SERVICE OCCUPATIONS	480 134	425 170	54 964	11.4	288 217	271 123	17 094	5.9
SUPERVISORS, PROTECTIVE SERVICE OCCUPATIONS	24 888	23 696	1 192	4.8	23 184	22 574	610	2.6
SUPERVISORS, FIREFIGHTING AND FIRE PREVENTION OCCUPATIONS	5 594	5 554	40	.7	7 522	7 522	0	.0
SUPERVISORS, POLICE AND DETECTIVES	13 171	12 637	534	4.1	12 273	11 958	315	2.6
SUPERVISORS, GUARDS	6 123	5 505	618	10.1	3 389	3 094	295	8.7
FIREFIGHTING AND FIRE PREVENTION OCCUPATIONS	70 665	68 976	1 689	2.4	45 342	44 729	613	1.4
FIRE INSPECTION AND FIRE PREVENTION OCCUPATIONS	8 103	7 136	967	11.9	4 309	4 309	0	.0
FIREFIGHTING GUARDS	62 562	61 840	722	1.2	41 033	40 420	613	1.5
POLICE AND DETECTIVES	181 050	165 071	15 979	8.8	112 733	106 956	5 777	5.1
POLICE AND DETECTIVES, PUBLIC SERVICE	126 075	117 198	8 877	7.0	84 206	80 740	3 466	4.1
SHERIFFS, BAILIFFS, AND OTHER LAW ENFORCEMENT OFFICERS	22 247	19 961	2 286	10.3	14 574	14 010	564	3.9
CORRECTIONAL INSTITUTION OFFICERS	32 728	27 912	4 816	14.7	13 953	12 206	1 747	12.5
GUARDS	203 531	167 427	36 104	17.7	106 958	96 864	10 094	9.4
CROSSING GUARDS	10 398	2 663	7 735	74.4	9 406	3 325	6 081	64.7
GUARDS AND POLICE, EXC. PUBLIC SERVICE	183 358	158 461	24 897	13.6	93 311	90 106	3 205	3.4
PROTECTIVE SERVICE OCCUPATIONS, N.E.C.	9 775	6 303	3 472	35.5	4 241	3 433	808	19.1
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD								
FOOD PREPARATION AND SERVICE OCCUPATIONS	3 486 437	1 195 542	2 290 895	65.7	2 226 690	793 669	1 433 021	64.4
SUPERVISORS, FOOD PREP. & SERVICE OCCUPATIONS	1 387 941	427 905	960 036	69.2	884 388	230 956	653 432	73.9
BARTENDERS	67 143	26 885	40 258	60.0	48 882	21 957	26 925	55.1
WAITERS AND WAITRESSES	62 425	31 798	30 627	49.1	27 343	20 063	7 280	26.6
COOKS, EXCEPT SHORT ORDER	412 605	55 250	357 355	86.6	301 097	31 401	269 696	89.6
SHORT-ORDER COOKS	464 326	166 485	297 841	64.1	227 368	55 648	171 720	75.5
FOOD COUNTER, FOUNTAIN AND RELATED OCCUPATIONS	21 196	11 369	9 827	46.4	33 960	17 166	16 794	49.5
KITCHEN WORKERS, FOOD PREPARATION	59 559	10 054	49 505	83.1	40 314	16 581	23 733	58.9
WAITERS/WAITRESSES' ASSISTANTS	33 879	6 584	27 295	80.6	21 093	1 472	19 621	93.0
MISCELLANEOUS FOOD PREPARATION OCCUPATIONS	78 482	43 135	35 347	45.0	34 929	20 485	14 444	41.4
HEALTH SERVICE OCCUPATIONS	188 326	76 345	111 981	59.5	149 402	46 183	103 219	69.1
DENTAL ASSISTANTS	568 690	71 175	497 515	87.5	327 161	48 022	279 139	85.3
HEALTH AIDES, EXCEPT NURSING	43 008	953	42 055	97.8	25 215	483	24 732	98.1
NURSING AIDES, ORDERLIES, AND ATTENDANTS	80 330	12 937	67 393	83.9	35 552	6 258	29 294	82.4
CLEANING AND BUILDING SERVICE OCCUPATIONS, EXCEPT HOUSEHOLD	445 352	57 285	388 067	87.1	266 394	41 281	225 113	84.5
SUPERVISORS, CLEANING AND BLDG. SERVICE WORKERS	965 442	581 465	383 977	39.8	635 143	403 952	231 191	36.4
MAIDS AND HOUSEMEN	34 862	23 300	11 562	33.2	17 655	11 498	6 157	34.9
JANITORS AND CLEANERS	243 255	47 574	195 681	80.4	173 724	8 216	165 508	95.3
ELEVATOR OPERATORS	664 366	490 621	173 745	26.2	424 879	368 938	55 941	13.2
PEST CONTROL OCCUPATIONS	4 227	2 474	1 753	41.5	7 848	4 263	3 585	45.7
PERSONAL SERVICE OCCUPATIONS	18 732	17 496	1 236	6.6	11 037	11 037	0	.0
SUPERVISORS, PERSONAL SERVICE OCCUPATIONS	564 364	114 997	449 367	79.6	379 998	110 739	269 259	70.9
BARBERS	8 069	4 245	3 824	47.4	5 048	2 934	2 114	41.9
HAIRDRESSERS AND COSMETOLOGISTS	37 087	31 461	5 626	15.2	59 478	56 049	3 429	5.8
ATTENDANTS, AMUSEMENT AND RECREATION FACILITIES	190 127	19 115	171 012	89.9	173 408	11 125	162 283	93.6
GUIDES	22 124	14 105	8 019	36.2	12 969	9 662	3 307	25.5
USHERS	7 912	3 254	4 658	58.9	1 754	1 298	456	26.0
PUBLIC TRANSPORTATION ATTENDANTS	6 382	4 277	2 105	33.0	4 806	3 644	1 162	24.2
BAGGAGE PORTERS AND BELLHOPS	20 626	3 450	17 176	83.3	9 583	620	8 963	93.5
WELFARE SERVICE AIDES	7 814	7 297	517	6.6	7 391	7 190	201	2.7
CHILD CARE WORKERS, EXCEPT PRIVATE HOUSEHOLD	11 207	1 431	9 776	87.2	5 367	1 146	4 221	78.6
PERSONAL SERVICE OCCUPATIONS, N.E.C.	195 110	11 034	184 076	94.3	59 425	3 614	55 811	93.9
FARMING, FORESTRY, AND FISHING OCCUPATIONS	57 906	15 328	42 578	73.5	40 769	13 457	27 312	67.0
FARM OPERATORS AND MANAGERS	999 024	858 293	140 731	14.1	1 099 657	989 769	109 888	10.0
FARMERS, EXCEPT HORTICULTURAL	401 174	361 247	39 927	10.0	435 855	412 470	23 385	5.4
HORTICULTURAL SPECIALTY FARMERS	335 674	303 783	31 891	9.5	408 005	387 333	20 672	5.1
MANAGERS, FARMS, EXCEPT HORTICULTURAL	5 686	4 654	1 032	18.1	3 850	2 177	1 673	43.5
MANAGERS, HORTICULTURAL SPECIALTY FARMS	52 711	47 185	5 526	10.5	23 788	22 748	1 040	4.4
FARM OCCUPATIONS, EXCEPT MANAGERIAL	7 103	5 625	1 478	20.8	212	212	0	.0
SUPERVISORS, FARM WORKERS	338 487	269 296	69 191	20.4	431 569	362 884	68 685	15.9
FARM WORKERS	21 650	17 542	4 108	19.0	15 932	14 492	1 440	9.0
MARINE LIFE CULTIVATION WORKERS	306 925	246 846	60 079	19.6	392 829	336 719	56 110	14.3
NURSERY WORKERS	245	166	79	32.2	0	0	0	.0
RELATED AGRICULTURAL OCCUPATIONS	9 667	4 742	4 925	50.9	22 808	11 673	11 135	48.8
SUPERVISORS, RELATED AGRICULTURAL OCCUPATIONS	165 629	139 021	26 608	16.1	154 940	139 590	15 350	9.9
GROUNDKEEPERS AND GARDENERS, EXCEPT FARM	5 537	5 072	465	8.4	12 665	12 480	185	1.5
ANIMAL CARETAKERS, EXCEPT FARM	132 136	122 011	10 125	7.7	113 508	109 760	3 748	3.3
GRADERS AND SORTERS, AGRICULTURAL PRODUCTS	21 878	9 981	11 897	54.4	16 652	11 915	4 737	28.4
INSPECTORS, AGRICULTURAL PRODUCTS	5 499	1 457	4 042	73.5	12 115	5 435	6 680	55.1
	579	500	79	13.6	0	0	0	.0

Detailed Occupation of the Experienced Civilian Labor Force by Sex: 1980 and 1970-Con.

(DATA BASED ON SAMPLE; SEE TEXT, FOR DEFINITIONS OF TERMS AND MEANING OF SYMBOLS, SEE TEXT)

UNITED STATES REGIONS	1980				1970			
	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
SOUTH								
FARMING, FORESTRY, AND FISHING OCCUPATIONS--CON.								
FORESTRY AND LOGGING OCCUPATIONS	63 824	60 806	3 018	4.7	56 980	55 404	1 576	2.8
SUPERVISORS, FORESTRY AND LOGGING WORKERS	3 181	3 132	49	1.5	1 339	1 339	0	.0
FORESTRY WORKERS, EXCEPT LOGGING	9 810	8 196	1 614	16.5	3 276	3 276	0	.0
TIMBER CUTTING AND LOGGING OCCUPATIONS	50 833	49 478	1 355	2.7	52 365	50 789	1 576	3.0
FISHERS, HUNTERS, AND TRAPPERS	29 910	27 923	1 987	6.6	20 313	19 421	892	4.4
CAPTAINS AND OTHER OFFICERS, FISHING VESSELS	3 449	3 327	122	3.5	3 103	2 884	219	7.1
FISHERS	25 743	23 954	1 789	6.9	16 708	16 035	673	4.0
HUNTERS AND TRAPPERS	718	642	76	10.6	502	502	0	.0
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	4 657 285	4 302 006	355 279	7.6	3 451 792	3 205 456	246 336	7.1
MECHANICS AND REPAIRERS	1 342 570	1 293 199	49 371	3.7	1 025 471	1 000 047	25 424	2.5
SUPERVISORS, MECHANICS AND REPAIRERS	53 009	51 565	1 444	2.7	40 543	39 097	1 446	3.6
MECHANICS AND REPAIRERS, EXCEPT SUPERVISORS	1 289 561	1 241 634	47 927	3.7	984 928	960 950	23 978	2.4
VEHICLE AND MOBILE EQUIPMENT MECHS. & REPAIRERS	549 194	541 315	7 879	1.4	443 843	435 095	8 748	2.0
AUTOMOBILE MECHANICS	305 752	301 505	4 247	1.4	255 545	251 503	4 042	1.6
BUS, TRUCK, AND STATIONARY ENGINE MECHANICS	53 319	52 982	337	.6	25 348	24 656	692	2.7
AIRCRAFT MECHANICS	42 286	40 838	1 448	3.4	50 632	48 253	2 379	4.7
SMALL ENGINE REPAIRERS	12 719	12 437	282	2.2	10 528	10 337	191	1.8
AUTOMOBILE BODY AND RELATED REPAIRERS	67 005	66 153	852	1.3	35 167	34 650	517	1.5
HEAVY EQUIPMENT MECHANICS	55 386	54 841	545	1.0	55 095	54 335	760	1.4
FARM EQUIPMENT MECHANICS	12 727	12 559	168	1.3	11 528	11 361	167	1.4
INDUSTRIAL MACHINERY REPAIRERS	168 483	162 441	6 042	3.6	117 090	114 965	2 125	1.8
MACHINERY MAINTENANCE OCCUPATIONS	15 142	14 441	701	4.6	20 473	19 953	520	2.5
ELECTRICAL AND ELECTRONIC EQUIPMENT REPAIRERS	219 796	201 388	18 408	8.4	183 703	178 691	5 012	2.7
ELECTRONIC REPAIRERS, COMMUNICATIONS AND INDUSTRIAL EQUIPMENT	56 495	53 933	2 562	4.5	54 662	52 732	1 930	3.5
DATA PROCESSING EQUIPMENT REPAIRERS	11 994	10 820	1 174	9.8	7 484	7 287	197	2.6
HOUSEHOLD APPLIANCE AND POWER TOOL REPAIRERS	28 136	27 205	931	3.3	25 119	24 892	227	.9
TELEPHONE LINE INSTALLERS AND REPAIRERS	22 500	21 381	1 119	5.0	17 551	16 969	582	3.3
TELEPHONE INSTALLERS AND REPAIRERS	50 529	48 837	1 692	3.4	68 149	66 073	2 076	3.0
MISCELLANEOUS ELECTRICAL AND ELECTRONIC EQUIPMENT REPAIRERS	10 142	9 212	930	9.2	10 738	10 738	0	.0
HEATING, AIR CONDITIONING, & REFRIG. MECHS	59 287	58 568	719	1.2	42 986	42 523	463	1.1
MISCELLANEOUS MECHANICS AND REPAIRERS	277 659	263 481	14 178	5.1	176 833	169 723	7 110	4.0
CAMERA, WATCH, & MUSICAL INSTR. REPAIRERS	13 343	11 590	1 753	13.1	9 165	8 536	629	6.9
LOCKSMITHS AND SAFE REPAIRERS	5 509	5 112	397	7.2	5 704	5 513	191	3.3
OFFICE MACHINE REPAIRERS	11 077	10 365	712	6.4	13 418	13 201	217	1.6
MECHANICAL CONTROLS AND VALVE REPAIRERS	9 574	9 097	477	5.0	12 013	11 371	642	5.3
ELEVATOR INSTALLERS AND REPAIRERS	6 157	5 943	214	3.5	7 281	7 281	0	.0
MILLWRIGHTS	29 955	28 879	1 076	3.6	24 277	24 079	198	.8
SPECIFIED MECHANICS AND REPAIRERS, N.E.C.	111 756	105 797	5 959	5.3	64 477	60 576	3 901	6.1
NOT SPECIFIED MECHANICS AND REPAIRERS	90 288	86 698	3 590	4.0	40 498	39 166	1 332	3.3
CONSTRUCTION TRADES	1 794 037	1 751 492	42 545	2.4	1 235 065	1 213 513	21 552	1.7
SUPERVISORS, CONSTRUCTION OCCUPATIONS	299 868	294 201	5 667	1.9	173 079	170 922	2 157	1.2
SUPERVISORS; BRICKMASTONS, STONEMASTONS, AND TILE SETTERS	1 648	1 619	29	1.8	2 863	2 863	0	.0
SUPERVISORS, CARPENTERS AND RELATED WORKERS	10 966	10 838	128	1.2	20 545	19 969	576	2.8
SUPERVISORS, ELECTRICIANS AND POWER TRANSMISSION INSTALLERS	12 751	12 600	151	1.2	10 419	10 419	0	.0
SUPERVISORS; PAINTERS, PAPERHANGERS, AND PLASTERERS	3 808	3 720	88	2.3	4 247	4 146	101	2.4
SUPERVISORS; PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	5 986	5 933	53	.9	8 837	8 837	0	.0
SUPERVISORS, N.E.C.	264 709	259 491	5 218	2.0	126 168	124 688	1 480	1.2
CONSTRUCTION TRADES, EXCEPT SUPERVISORS	1 494 169	1 457 291	36 878	2.5	1 061 986	1 042 591	19 395	1.8
BRICKMASTONS & STONEMASTONS	84 916	83 852	1 064	1.3	66 866	65 791	1 075	1.6
TILE SETTERS, HARD AND SOFT	12 353	12 075	278	2.3	14 187	13 972	215	1.5
CARPET INSTALLERS	29 599	28 942	657	2.2	17 538	17 216	322	1.8
CARPENTERS	479 529	471 557	7 972	1.7	327 687	323 350	4 337	1.3
DRYWALL INSTALLERS	34 736	33 829	907	2.6	17 095	16 861	234	1.4
ELECTRICIANS	224 360	219 057	5 303	2.4	151 136	147 743	3 393	2.2
ELECTRICAL POWER INSTALLERS AND REPAIRERS	38 374	37 551	823	2.1	35 278	34 647	631	1.8
PAINTERS, CONSTRUCTION AND MAINTENANCE	166 311	156 474	9 837	5.9	126 308	122 893	3 415	2.7
PAPERHANGERS	5 965	4 665	1 300	21.8	3 227	2 978	249	7.7
PLASTERERS	9 352	9 116	236	2.5	9 972	9 871	101	1.0
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	182 424	179 413	3 011	1.7	124 769	123 012	1 757	1.4
CONCRETE AND TERRAZZO FINISHERS	29 317	28 885	432	1.5	30 963	30 442	521	1.7
GLAZIERS	10 005	9 509	496	5.0	6 711	6 399	312	4.6
INSULATION WORKERS	24 163	22 881	1 282	5.3	11 105	11 105	0	.0
PAVING, SURFACING, AND TAMPING EQUIPMENT OPERATORS	2 658	2 530	128	4.8	2 647	2 647	0	.0
ROOFERS	47 008	46 269	739	1.6	23 791	23 387	404	1.7

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UNITED STATES REGIONS	1980				1970			
	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
SOUTH								
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS--CON.								
CONSTRUCTION TRADES, EXCEPT SUPERVISORS--CON.								
SHEETMETAL DUCT INSTALLERS	10 838	10 629	209	1.9	5 343	5 343	0	.0
STRUCTURAL METAL WORKERS	34 692	34 119	573	1.7	24 182	23 740	442	1.8
DRILLERS, EARTH,	8 723	8 506	217	2.5	11 763	10 917	846	7.2
CONSTRUCTION TRADES, N.E.C.,	58 846	57 432	1 414	2.4	51 398	50 277	1 121	2.2
EXTRACTIVE OCCUPATIONS	188 099	184 051	4 048	2.2	78 938	77 072	1 866	2.4
SUPERVISORS, EXTRACTIVE OCCUPATIONS	51 822	50 643	1 179	2.3	16 175	16 175	0	.0
DRILLERS, OIL WELL	52 208	51 582	626	1.2	18 510	18 510	0	.0
EXPLOSIVES WORKERS	4 583	4 437	146	3.2	6 179	6 032	147	2.4
MINING MACHINE OPERATORS	49 634	48 231	1 403	2.8	18 864	18 864	0	.0
MINING OCCUPATIONS, N.E.C.,	29 852	29 158	694	2.3	19 210	17 491	1 719	8.9
PRECISION PRODUCTION OCCUPATIONS	1 332 579	1 073 264	259 315	19.5	1 112 318	914 824	197 494	17.8
SUPERVISORS, PRODUCTION OCCUPATIONS	616 285	521 637	94 648	15.4	445 538	397 897	47 641	10.7
PRECISION METALWORKING OCCUPATIONS	253 004	235 905	17 099	6.8	215 426	204 991	10 435	4.8
TOOL AND DIE MAKERS	23 706	22 858	848	3.6	18 931	18 508	423	2.2
PRECISION ASSEMBLERS, METAL,	5 063	3 632	1 431	28.3	12 664	9 669	2 995	23.6
MACHINISTS	139 661	132 484	7 177	5.1	108 015	104 208	3 807	3.5
BOILERMAKERS	14 749	14 436	313	2.1	10 055	9 927	128	1.3
PRECISION GRINDERS, FILERS, & TOOL SHARPENERS	3 986	3 687	299	7.5	4 133	4 066	67	1.6
PATTERNMAKERS AND MODEL MAKERS, METAL,	2 813	2 311	502	17.8	4 612	4 088	524	11.4
LAY-OUT WORKERS	9 888	8 959	929	9.4	4 705	4 645	60	1.3
PRECIOUS STONES AND METALS WORKERS (JEWELERS),	6 952	5 006	1 946	28.0	4 901	3 740	1 161	23.7
ENGRAVERS, METAL	4 688	2 791	1 897	40.5	2 709	2 220	489	18.1
SHEET METAL WORKERS	40 889	39 285	1 604	3.9	44 643	43 862	781	1.7
MISCELLANEOUS PRECISION METAL WORKERS,	609	456	153	25.1	58	58	0	.0
PRECISION WOODWORKING OCCUPATIONS	46 006	36 278	9 728	21.1	37 578	33 789	3 789	10.1
PATTERNMAKERS AND MODEL MAKERS, WOOD	559	507	52	9.3	1 232	1 232	0	.0
CABINET MAKERS AND BENCH CARPENTERS	28 968	26 072	2 896	10.0	25 805	24 205	1 600	6.2
FURNITURE AND WOOD FINISHERS	14 830	8 621	6 209	41.9	10 541	8 352	2 189	20.8
MISCELLANEOUS PRECISION WOODWORKERS,	1 649	1 078	571	34.6	0	0	0	.0
PRECISION TEXTILE, APPAREL, AND FURNISHINGS MACHINE WORKERS	96 398	40 741	55 657	57.7	99 363	47 141	52 222	52.6
DRESSMAKERS	36 290	2 265	34 025	93.8	37 672	2 083	35 589	94.5
TAILORS	19 347	9 638	9 709	50.2	20 780	11 465	9 315	44.8
UPHOLSTERERS	27 618	21 441	6 177	22.4	25 395	20 714	4 681	18.4
SHOE REPAIRERS	9 518	6 211	3 307	34.7	12 462	11 137	1 325	10.6
APPAREL AND FABRIC PATTERNMAKERS	885	368	517	58.4	920	920	0	.0
MISC. PRECISION APPAREL AND FABRIC WORKERS	2 740	818	1 922	70.1	2 134	822	1 312	61.5
PRECISION WORKERS, ASSORTED MATERIALS,	74 716	40 441	34 275	45.9	71 752	34 266	37 486	52.2
HAND MOLDERS AND SHAPERS, EXCEPT JEWELERS	8 492	7 155	1 337	15.7	10 552	9 681	871	8.3
PATTERNMAKERS, LAY-OUT WORKERS, AND CUTTERS	1 830	1 283	547	29.9	392	251	141	36.0
OPTICAL GOODS WORKERS	12 976	7 499	5 477	42.2	7 385	5 301	2 084	28.2
DENTAL LAB. & MEDICAL APPLIANCE TECHNICIANS,	13 065	8 462	4 603	35.2	6 296	4 629	1 667	26.5
BOOKBINDERS	7 029	2 863	4 166	59.3	7 777	3 434	4 343	55.8
ELECTRICAL AND ELECTRONIC EQUIPMENT ASSEMBLERS	19 943	4 125	15 818	79.3	36 348	8 265	28 083	77.3
MISCELLANEOUS PRECISION WORKERS, N.E.C.,	11 381	9 054	2 327	20.4	3 002	2 705	297	9.9
PRECISION FOOD PRODUCTION OCCUPATIONS	123 618	88 895	34 723	28.1	110 399	85 552	24 847	22.5
BUTCHERS AND MEAT CUTTERS	90 052	71 706	18 346	20.4	81 885	67 422	14 463	17.7
BAKERS	27 874	14 178	13 696	49.1	20 880	13 956	6 924	33.2
FOOD BATCHMAKERS	5 692	3 011	2 681	47.1	7 634	4 174	3 460	45.3
PRECISION INSPECTORS, TESTERS, & RELATED WORKERS	30 196	21 143	9 053	30.0	55 659	35 217	20 442	36.7
INSPECTORS, TESTERS, AND GRADERS	28 602	20 848	7 754	27.1	54 342	35 217	19 125	35.2
ADJUSTERS AND CALIBRATORS	1 594	295	1 299	81.5	1 317	0	1 317	100.0
PLANT AND SYSTEM OPERATORS	92 356	88 224	4 132	4.5	76 603	75 971	632	.8
WATER AND SEWAGE TREATMENT PLANT OPERATORS	12 389	11 935	454	3.7	5 641	5 641	0	.0
POWER PLANT OPERATORS	9 825	9 349	476	4.8	6 385	6 220	165	2.6
STATIONARY ENGINEERS	44 364	42 601	1 763	4.0	50 109	49 642	467	.9
MISCELLANEOUS PLANT AND SYSTEM OPERATORS	25 778	24 339	1 439	5.6	14 468	14 468	0	.0
OPERATORS, FABRICATORS, AND LABORERS	6 787 016	4 785 116	2 001 900	29.5	5 381 906	3 869 336	1 512 570	26.1
MACHINE OPERATORS, ASSEMBLERS, & INSPECTORS,	3 306 161	1 767 863	1 538 298	46.5	2 673 524	1 443 561	1 229 963	46.0
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION,	2 281 045	1 153 865	1 127 180	49.4	2 054 047	1 059 607	994 440	48.4
METALWORKING & PLASTIC WORKING MACH. OPERATORS	138 816	108 302	30 514	22.0	125 443	101 232	24 211	19.3
LATHE AND TURNING MACHINE SET-UP OPERATORS	7 311	6 718	593	8.1	6 145	5 894	251	4.1
LATHE AND TURNING MACHINE OPERATORS,	20 787	18 634	2 153	10.4	17 518	15 163	2 355	13.4
MILLING AND PLANING MACHINE OPERATORS,	3 595	3 209	386	10.7	997	997	0	.0
PUNCHING AND STAMPING PRESS MACHINE OPERATORS,	26 736	19 104	7 632	28.5	25 660	18 968	6 692	26.1
ROLLING MACHINE OPERATORS,	4 188	3 434	754	18.0	4 291	3 973	318	7.4
DRILLING AND BORING MACHINE OPERATORS,	10 230	7 463	2 767	27.0	14 623	12 528	2 095	14.3
GRINDING, ABRADING, BUFFING, AND POLISHING MACHINE OPERATORS	56 532	42 472	14 060	24.9	47 511	36 648	10 863	22.9

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	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
SOUTH								
OPERATORS, FABRICATORS, AND LABORERS--CON.								
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS--CON.								
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION--CON.								
FORGING MACHINE OPERATORS.	2 924	2 622	302	10.3	2 711	2 496	215	7.9
NUMERICAL CONTROL MACHINE OPERATORS.	412	376	36	8.7	189	189	0	.0
MISCELLANEOUS METAL, PLASTIC, STONE, AND GLASS WORKING MACHINE OPERATORS.	6 101	4 270	1 831	30.0	5 798	4 376	1 422	24.5
FABRICATING MACHINE OPERATORS, N.E.C..	9 957	6 301	3 656	36.7	14 310	9 910	4 400	30.7
METAL AND PLASTIC PROCESSING MACHINE OPERATORS.	51 754	36 529	15 225	29.4	61 330	48 522	12 808	20.9
MOLDING AND CASTING MACHINE OPERATORS.	34 858	21 969	12 889	37.0	46 790	34 951	11 839	25.3
METAL PLATING MACHINE OPERATORS.	7 858	6 254	1 604	20.4	6 391	5 533	858	13.4
HEAT TREATING EQUIPMENT OPERATORS.	3 666	3 379	287	7.8	3 670	3 559	111	3.0
MISCELLANEOUS METAL AND PLASTIC PROCESSING MACHINE OPERATORS.	5 372	4 927	445	8.3	4 479	4 479	0	.0
WOODWORKING MACHINE OPERATORS.	64 582	54 826	9 756	15.1	67 548	61 465	6 083	9.0
WOOD LATHE, ROUTING, & PLANING MACH. OPERATORS.	2 325	2 016	309	13.3	988	988	0	.0
SAWING MACHINE OPERATORS.	45 411	40 102	5 309	11.7	53 153	48 905	4 248	8.0
SHAPING AND JOINING MACHINE OPERATORS.	3 713	2 314	1 399	37.7	1 197	771	426	35.6
NAILING AND TACKING MACHINE OPERATORS.	1 664	1 094	570	34.3	1 608	1 262	346	21.5
MISCELLANEOUS WOODWORKING MACHINE OPERATORS.	11 469	9 300	2 169	18.9	10 602	9 539	1 063	10.0
PRINTING MACHINE OPERATORS.	114 132	79 574	34 558	30.3	91 412	77 094	14 318	15.7
PRINTING MACHINE OPERATORS.	78 499	63 206	15 293	19.5	56 525	49 366	7 159	12.7
PHOTOENGRAVERS AND LITHOGRAPHERS.	6 009	4 397	1 612	26.8	7 084	5 647	1 437	20.3
TYPESETTERS AND COMPOSITORS.	16 863	6 064	10 799	64.0	21 535	17 398	4 137	19.2
MISCELLANEOUS PRINTING MACHINE OPERATORS.	12 761	5 907	6 854	53.7	6 268	4 683	1 585	25.3
TEXTILE, APPAREL, & FURNISHINGS MACH. OPERATORS.	856 043	151 180	704 863	82.3	932 283	198 275	734 008	78.7
WINDING AND TWISTING MACHINE OPERATORS.	97 005	23 497	73 508	75.8	125 311	34 846	90 465	72.2
KNITTING, LOOPING, TAPING, AND WEAVING MACHINE OPERATORS.	56 985	18 545	38 440	67.5	62 221	24 128	38 093	61.2
TEXTILE CUTTING MACHINE OPERATORS.	4 364	2 139	2 225	51.0	2 815	932	1 883	66.9
TEXTILE SEWING MACHINE OPERATORS.	464 011	22 013	441 998	95.3	410 216	15 413	394 803	96.2
SHOE MACHINE OPERATORS.	23 620	5 303	18 317	77.5	39 014	8 949	30 065	77.1
PRESSING MACHINE OPERATORS.	42 999	6 096	36 903	85.8	73 813	11 040	62 773	85.0
LAUNDERING AND DRY CLEANING MACHINE OPERATORS.	55 786	17 891	37 895	67.9	58 918	18 872	40 046	68.0
MISCELLANEOUS TEXTILE MACHINE OPERATORS.	111 273	55 696	55 577	49.9	159 975	84 095	75 880	47.4
MACHINE OPERATORS, ASSORTED MATERIALS.	1 045 761	717 153	328 608	31.4	761 721	563 109	198 612	26.1
CEMENTING AND GLUING MACHINE OPERATORS.	11 574	6 370	5 204	45.0	18 816	10 585	8 231	43.7
PACKAGING AND FILLING MACHINE OPERATORS.	37 095	16 722	20 373	54.9	45 883	26 360	19 523	42.5
EXTRUDING AND FORMING MACHINE OPERATORS.	7 135	5 987	1 148	16.1	7 657	6 333	1 324	17.3
MIXING AND BLENDING MACHINE OPERATORS.	42 412	37 380	5 032	11.9	46 916	43 612	3 304	7.0
SEPARATING, FILTERING, AND CLARIFYING MACHINE OPERATORS.	27 749	25 335	2 414	8.7	21 078	20 373	705	3.3
COMPRESSING & COMPACTING MACHINE OPERATORS.	7 803	5 436	2 367	30.3	9 473	6 689	2 784	29.4
PAINTING AND PAINT SPRAYING MACH. OPERATORS.	49 369	41 247	8 122	16.5	47 814	39 883	7 931	16.6
ROASTING & BAKING MACH. OPERATORS, FOOD.	2 374	1 989	385	16.2	1 543	1 543	0	.0
WASHING, CLEANING, & PICKLING MACHINE OPERATORS.	3 062	2 211	851	27.8	2 923	2 673	250	8.6
FOLDING MACHINE OPERATORS.	13 679	4 385	9 294	67.9	10 661	3 556	7 105	66.6
FURNACE, KILN, AND OVEN OPERATORS, EXC. FOOD.	44 601	42 264	2 337	5.2	46 522	42 672	3 850	8.3
CRUSHING AND GRINDING MACHINE OPERATORS.	15 134	13 486	1 648	10.9	20 689	19 976	713	3.4
SLICING AND CUTTING MACHINE OPERATORS.	63 596	41 346	22 250	35.0	59 865	42 409	17 456	29.2
MOTION PICTURE PROJECTIONISTS.	4 037	3 712	325	8.1	5 054	4 832	222	4.4
PHOTOGRAPHIC PROCESS MACHINE OPERATORS.	23 454	9 910	13 544	57.7	16 125	7 367	8 758	54.3
MISC. AND NOT SPECIFIED MACHINE OPERATORS.	692 687	459 373	233 314	33.7	400 702	284 246	116 456	29.1
OCCUPATION:								
MISCELLANEOUS MACHINE OPERATORS, N.E.C..	234 690	153 743	80 947	34.5	295 686	216 500	79 186	26.8
MACHINE OPERATORS, NOT SPECIFIED.	457 997	305 630	152 367	33.3	105 016	67 746	37 270	35.5
INDUSTRY:								
MANUFACTURING.	571 174	368 974	202 200	35.4	356 933	250 146	106 787	29.9
NONDURABLE GOODS.	279 594	176 474	103 120	36.9	167 797	118 834	48 963	29.2
DURABLE GOODS.	291 580	192 500	99 080	34.0	189 136	131 312	57 824	30.6
NONMANUFACTURING INDUSTRIES.	121 513	90 399	31 114	25.6	43 769	34 100	9 669	22.1
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS.	745 801	499 688	246 113	33.0	405 164	297 265	107 899	26.6
WELDERS AND CUTTERS.	284 591	270 706	13 885	4.9	181 536	172 819	8 717	4.8
SOLDERERS AND BRAZERS.	5 219	1 179	4 040	77.4	5 481	1 053	4 428	80.8
ASSEMBLERS.	421 898	206 245	215 653	51.1	184 435	102 535	81 900	44.4
HAND CUTTING AND TRIMMING OCCUPATIONS.	6 131	3 091	3 040	49.6	6 139	4 000	2 139	34.6
HAND MOLDING, CASTING, AND FORMING OCCUPATIONS.	5 535	3 594	1 941	35.1	8 840	4 320	4 520	51.1
HAND PAINTING, COATING, & DECORATING OCCUPATIONS.	13 607	10 009	3 598	26.4	13 226	10 313	2 913	22.0
HAND ENGRAVING AND PRINTING OCCUPATIONS.	572	376	196	34.3	895	161	734	82.0
HAND GRINDING AND POLISHING OCCUPATIONS.	751	524	227	30.2	148	148	0	.0
MISCELLANEOUS HAND WORKING OCCUPATIONS.	7 497	3 964	3 533	47.1	4 464	1 916	2 548	57.1

Detailed Occupation of the Experienced Civilian Labor Force by Sex: 1980 and 1970-Con.

(DATA BASED ON SAMPLE; SEE TEXT, FOR DEFINITIONS OF TERMS AND MEANING OF SYMBOLS, SEE TEXT)

UNITED STATES REGIONS	1980				1970			
	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
SOUTH								
OPERATORS, FABRICATORS, AND LABORERS--CON.								
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS--CON.								
PRODUCTION INSPS., TESTERS, SAMPLERS, AND WEIGHERS	279 315	114 310	165 005	59.1	214 313	86 689	127 624	59.6
PRODUCTION INSPECTORS, CHECKERS, AND EXAMINERS	227 518	89 666	137 852	60.6	164 778	67 007	97 771	59.3
PRODUCTION TESTERS	13 245	8 330	4 915	37.1	15 857	8 041	7 816	49.3
PRODUCTION SAMPLERS AND WEIGHERS	3 363	2 085	1 278	38.0	1 532	874	658	43.0
GRADERS AND SORTERS, EXC. AGRICULTURAL	35 189	14 229	20 960	59.6	32 146	10 767	21 379	66.5
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS. . .	1 679 343	1 552 663	126 680	7.5	1 264 443	1 211 545	52 898	4.2
MOTOR VEHICLE OPERATORS.	1 127 489	1 025 309	102 180	9.1	875 391	831 765	43 626	5.0
SUPERVISORS, MOTOR VEHICLE OPERATORS	12 110	11 520	590	4.9	6 873	6 351	522	7.6
TRUCK DRIVERS, HEAVY	701 454	683 221	18 233	2.6	512 001	502 757	9 244	1.8
TRUCK DRIVERS, LIGHT	166 136	153 293	12 843	7.7	129 090	122 397	6 693	5.2
DRIVER-SALES WORKERS	63 840	58 809	5 031	7.9	88 044	86 931	1 113	1.3
BUS DRIVERS.	117 081	60 361	56 720	48.4	81 133	58 593	22 540	27.8
TAXICAB DRIVERS AND CHAUFFEURS	56 842	49 052	7 790	13.7	48 231	45 066	3 165	6.6
PARKING LOT ATTENDANTS	9 018	8 140	878	9.7	9 580	9 231	349	3.6
MOTOR TRANSPORTATION OCCUPATIONS, N.E.C.	1 008	913	95	9.4	439	439	0	.0
RAIL TRANSPORTATION OCCUPATIONS.	66 913	65 987	926	1.4	69 820	68 914	906	1.3
RAILROAD CONDUCTORS AND YARDMASTERS.	14 473	14 256	217	1.5	14 624	14 521	103	.7
LOCOMOTIVE OPERATING OCCUPATIONS	22 671	22 345	326	1.4	22 709	22 383	326	1.4
RAILROAD BRAKE, SIGNAL, AND SWITCH OPERATORS	27 549	27 253	296	1.1	30 345	29 868	477	1.6
RAIL VEHICLE OPERATORS, N.E.C.	2 220	2 133	87	3.9	2 142	2 142	0	.0
WATER TRANSPORTATION OCCUPATIONS	41 524	40 440	1 084	2.6	29 872	29 427	445	1.5
SHIP CAPTAINS AND MATES, EXCEPT FISHING BOATS. . . .	20 417	20 041	376	1.8	14 849	14 666	183	1.2
SAILORS AND DECKHANDS.	17 412	17 051	361	2.1	13 777	13 515	262	1.9
MARINE ENGINEERS	1 430	1 389	41	2.9	0	0	0	.0
BRIDGE, LOCK, AND LIGHTHOUSE TENDERS	2 265	1 959	306	13.5	1 246	1 246	0	.0
MATERIAL MOVING EQUIPMENT OPERATORS.	443 417	420 927	22 490	5.1	289 360	281 439	7 921	2.7
SUPERVISORS, MATERIAL MOVING EQUIPMENT OPERATORS . .	9 823	9 384	439	4.5	3 627	3 627	0	.0
OPERATING ENGINEERS.	84 238	82 938	1 300	1.5	44 361	43 758	603	1.4
LONGSHORE EQUIPMENT OPERATORS.	1 667	1 598	69	4.1	956	956	0	.0
HOIST AND WINCH OPERATORS.	17 675	17 438	237	1.3	8 087	8 087	0	.0
CRANE AND TOWER OPERATORS.	39 743	38 970	773	1.9	36 579	36 018	561	1.5
EXCAVATING AND LOADING MACHINE OPERATORS	33 383	32 796	587	1.8	25 849	25 849	0	.0
GRADER, DOZER, AND SCRAPER OPERATORS	41 150	40 662	488	1.2	45 425	44 606	819	1.8
INDUSTRIAL TRUCK & TRACTOR EQUIPMENT OPERATORS . .	138 501	131 920	6 581	4.8	87 367	85 451	1 916	2.2
MISC. MATERIAL MOVING EQUIPMENT OPERATORS.	77 237	65 221	12 016	15.6	37 109	33 087	4 022	10.8
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS.	1 801 512	1 464 590	336 922	18.7	1 443 939	1 214 230	229 709	15.9
SUPERVISORS, HANDLERS, EQUIPMENT CLEANERS, AND LABORERS, N.E.C.	7 783	6 439	1 344	17.3	577	577	0	.0
HELPERS, MECHANICS AND REPAIRERS	12 948	12 228	720	5.6	11 339	11 339	0	.0
HELPERS, CONSTRUCTION AND EXTRACTIVE OCCUPATIONS . .	83 984	80 521	3 463	4.1	45 122	45 018	104	.2
HELPERS, CONSTRUCTION TRADES	68 304	65 630	2 674	3.9	34 845	34 845	0	.0
HELPERS, SURVEYOR.	5 339	5 051	288	5.4	5 335	5 231	104	1.9
HELPERS, EXTRACTIVE OCCUPATIONS.	10 341	9 840	501	4.8	4 942	4 942	0	.0
CONSTRUCTION LABORERS.	349 202	336 158	13 044	3.7	233 961	228 858	5 103	2.2
PRODUCTION HELPERS	45 503	37 952	7 551	16.6	42 671	32 479	10 192	23.9
FREIGHT, STOCK, AND MATERIAL HANDLERS.	473 061	401 942	71 119	15.0	426 988	382 111	44 877	10.5
GARBAGE COLLECTORS	30 045	28 877	1 168	3.9	31 701	31 113	588	1.9
STEVEDORES	8 781	8 669	112	1.3	17 530	17 207	323	1.8
STOCK HANDLERS AND BAGGERS	224 476	179 029	45 447	20.2	152 722	130 254	22 468	14.7
MACHINE FEEDERS AND OFFBEARERS	50 029	35 611	14 418	28.8	49 204	39 142	10 062	20.4
FREIGHT, STOCK, AND MATERIAL HANDLERS, N.E.C. . . .	159 730	149 756	9 974	6.2	175 831	164 395	11 436	6.5
GARAGE AND SERVICE STATION RELATED OCCUPATIONS . . .	107 898	98 525	9 373	8.7	161 614	156 316	5 298	3.3
VEHICLE WASHERS AND EQUIPMENT CLEANERS	48 119	39 286	8 833	18.4	42 693	36 970	5 723	13.4
HAND PACKERS AND PACKAGERS	173 211	58 030	115 181	66.5	159 904	57 105	102 799	64.3
LABORERS, EXCEPT CONSTRUCTION.	499 803	393 509	106 294	21.3	319 070	263 457	55 613	17.4
MANUFACTURING.	216 247	158 115	58 132	26.9	135 268	106 698	28 570	21.1
NONDURABLE GOODS	106 777	70 839	35 938	33.7	69 083	48 980	20 103	29.1
DURABLE GOODS.	109 470	87 276	22 194	20.3	66 185	57 718	8 467	12.8
TRANS., COMMUNICATIONS, & OTHER PUB. UTILITIES. . .	60 267	55 347	4 920	8.2	41 904	39 873	2 031	4.8
WHOLESALE AND RETAIL TRADE	118 720	94 717	24 003	20.2	78 902	62 312	16 590	21.0
ALL OTHER INDUSTRIES	104 569	85 330	19 239	18.4	62 996	54 574	8 422	13.4
EXPERIENCED UNEMPLOYED NOT CLASSIFIED BY OCCUPATION.	99 859	36 106	63 753	63.8	29 253	13 306	15 947	54.5

Detailed Occupation of the Experienced Civilian Labor Force by Sex: 1980 and 1970-Con.

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UNITED STATES REGIONS	1980				1970			
	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
WEST								
EXPERIENCED CIVILIAN LABOR FORCE, 16 YEARS AND OVER	20 332 045	11 749 887	8 582 158	42.2	13 625 253	8 496 554	5 129 699	37.6
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS.	4 810 735	2 909 785	1 900 950	39.5	2 857 070	1 920 034	937 036	32.8
EXECUTIVE, ADMINISTRATIVE, AND MANAGERIAL OCCUPATIONS.	2 274 817	1 509 895	764 922	33.6	1 156 818	913 697	243 121	21.0
LEGISLATORS, CHIEF EXECUTIVES AND GENERAL ADMINISTRATORS, PUBLIC ADMINISTRATION	8 771	6 381	2 390	27.2	2 089	2 089	0	.0
ADMINISTRATORS & OFFICIALS, PUBLIC ADMINISTRATION	53 260	36 342	16 918	31.8	49 413	39 289	10 124	20.5
ADMINISTRATORS, PROTECTIVE SERVICES.	5 032	4 558	474	9.4	4 750	4 750	0	.0
FINANCIAL MANAGERS	45 273	55 145	30 128	35.3	43 592	33 007	10 585	24.3
PERSONNEL AND LABOR RELATIONS MANAGERS	45 285	26 925	18 360	40.5	12 387	9 355	3 032	24.5
PURCHASING MANAGERS.	16 587	12 499	4 088	24.6	7 869	7 196	673	8.6
MANAGERS, MARKETING, ADVERTISING, & PUB RELATIONS	138 355	111 230	27 125	19.6	78 615	72 418	6 197	7.9
ADMINISTRATORS, EDUCATION AND RELATED FIELDS	72 393	43 998	28 395	39.2	40 356	29 273	11 083	27.5
MANAGERS, MEDICINE AND HEALTH.	21 859	10 291	11 568	52.9	11 176	4 425	6 753	60.4
MANAGERS, PROPERTIES AND REAL ESTATE	63 413	33 973	29 440	46.4	35 651	19 756	15 895	44.6
POSTMASTERS AND MAIL SUPERINTENDENTS	4 801	2 562	2 239	46.6	5 465	3 419	2 046	37.4
FUNERAL DIRECTORS.	3 898	3 537	361	9.3	3 741	3 498	243	6.5
MANAGERS AND ADMINISTRATORS, N.E.C., SALARIED.	1 013 983	718 684	295 299	29.1	422 096	349 755	72 341	17.1
MANAGERS AND ADMINISTRATORS, N.E.C., SELF-EMPLOYED	160 498	116 208	44 290	27.6	113 737	95 890	17 847	15.7
MANAGEMENT RELATED OCCUPATIONS	581 409	327 562	253 847	43.7	325 879	239 577	86 302	26.5
ACCOUNTANTS AND AUDITORS	217 117	120 018	97 099	44.7	125 132	87 477	37 655	30.1
UNDERWRITERS	3 034	1 225	1 809	59.6	4 433	433	0	.0
OTHER FINANCIAL OFFICERS	104 244	48 614	55 630	53.4	39 281	27 343	11 938	30.4
MANAGEMENT ANALYSTS.	27 188	20 536	6 652	24.5	6 068	5 376	692	11.4
PERSONNEL, TNG., AND LABOR RELATIONS SPECIALISTS	95 351	46 522	48 829	51.2	49 147	30 514	18 633	37.9
PURCHASING AGENTS AND BUYERS, FARM PRODUCTS.	2 532	2 226	306	12.1	3 015	2 877	138	4.6
BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS.	34 908	18 508	16 400	47.0	30 082	21 553	8 529	28.4
PURCHASING AGENTS AND BUYERS, N.E.C.	41 768	26 248	15 520	37.2	29 365	23 868	5 497	18.7
BUSINESS AND PROMOTION AGENTS.	5 576	3 683	1 893	33.9	2 628	2 079	549	20.9
CONSTRUCTION INSPECTORS.	12 308	11 616	692	5.6	9 961	9 898	63	.6
INSPECTORS & COMPLIANCE OFFICERS, EXCEPT CONSTR.	31 901	25 897	6 004	18.8	26 483	24 922	1 561	5.9
MANAGEMENT RELATED OCCUPATIONS, N.E.C.	5 482	2 469	3 013	55.0	4 284	3 237	1 047	24.4
PROFESSIONAL SPECIALTY OCCUPATIONS	2 535 918	1 399 890	1 136 028	44.8	1 700 252	1 006 337	693 915	40.8
ENGINEERS, ARCHITECTS, AND SURVEYORS	387 868	365 511	22 357	5.8	303 105	297 086	6 019	2.0
ARCHITECTS	31 130	28 327	2 803	9.0	12 573	12 097	476	3.8
ENGINEERS.	347 958	328 887	19 071	5.5	287 418	281 875	5 543	1.9
AEROSPACE.	47 938	46 286	1 652	3.4	29 975	29 344	631	2.1
METALLURGICAL AND MATERIALS.	4 075	3 836	239	5.9	4 550	4 499	51	1.1
MINING	4 208	4 060	148	3.5	1 991	1 978	13	.7
PETROLEUM.	4 549	4 361	188	4.1	2 436	2 416	20	.8
CHEMICAL	6 371	6 030	341	5.4	6 580	6 431	149	2.3
NUCLEAR.	3 187	3 072	115	3.6	647	647	0	.0
CIVIL.	55 951	54 012	1 939	3.5	48 707	48 003	704	1.4
AGRICULTURAL	657	552	105	16.0	0	0	0	.0
ELECTRICAL AND ELECTRONIC.	87 940	82 706	5 234	6.0	74 243	72 827	1 416	1.9
INDUSTRIAL	39 569	34 294	5 275	13.3	36 219	35 121	1 098	3.0
MECHANICAL	33 862	32 968	894	2.6	36 401	36 028	373	1.0
MARINE AND NAVAL ARCHITECTS.	4 177	4 098	79	1.9	2 355	2 355	0	.0
ENGINEERS, N.E.C.	55 474	52 612	2 862	5.2	43 314	42 226	1 088	2.5
SURVEYORS AND MAPPING SCIENTISTS	8 780	8 297	483	5.5	3 114	3 114	0	.0
MATHEMATICAL AND COMPUTER SCIENTISTS	70 943	52 215	18 728	26.4	41 811	34 528	7 283	17.4
COMPUTER SYSTEMS ANALYSTS AND SCIENTISTS	47 634	36 332	11 302	23.7	21 814	18 652	3 162	14.5
OPERATIONS AND SYSTEMS RESEARCHERS AND ANALYSTS.	14 403	10 311	4 092	28.4	13 056	11 548	1 508	11.6
ACTUARIES.	1 136	897	239	21.0	544	372	172	31.6
STATISTICIANS.	5 882	3 059	2 823	48.0	4 511	2 464	2 047	45.4
MATHEMATICAL SCIENTISTS, N.E.C..	1 888	1 616	272	14.4	1 886	1 492	394	20.9
NATURAL SCIENTISTS	81 604	66 240	15 364	18.8	51 284	45 538	5 746	11.2
PHYSICISTS AND ASTRONOMERS	7 782	7 426	356	4.6	6 398	6 141	257	4.0
CHEMISTS, EXCEPT BIOCHEMISTS	16 788	12 696	4 092	24.4	14 026	12 259	1 767	12.6
ATMOSPHERIC AND SPACE SCIENTISTS	2 447	2 100	347	14.2	1 967	1 787	180	9.2
GEOLOGISTS AND GEODESISTS.	16 598	14 752	1 846	11.1	7 673	7 347	326	4.2
PHYSICAL SCIENTISTS, N.E.C..	2 233	1 729	504	22.6	251	238	13	5.2
AGRICULTURAL AND FOOD SCIENTISTS	6 218	4 927	1 291	20.8	4 737	4 279	458	9.7
BIOLOGICAL AND LIFE SCIENTISTS	12 681	8 949	3 732	29.4	5 906	4 006	1 900	32.2
FORESTRY AND CONSERVATION SCIENTISTS	12 894	11 411	1 483	11.5	9 585	9 147	438	4.6
MEDICAL SCIENTISTS	3 963	2 250	1 713	43.2	741	334	407	54.9
HEALTH DIAGNOSING OCCUPATIONS.	138 863	122 848	16 015	11.5	87 588	80 727	6 861	7.8
PHYSICIANS	90 244	78 941	11 303	12.5	56 758	51 591	5 167	9.1
DENTISTS	27 280	25 377	1 903	7.0	18 472	17 782	690	3.7
VETERINARIANS	7 754	6 689	1 065	13.7	4 181	3 911	270	6.5
OPTOMETRISTS	5 521	4 941	580	10.5	3 654	3 498	156	4.3
PODIATRISTS	1 553	1 422	131	8.4	974	890	84	8.6
HEALTH DIAGNOSING PRACTITIONERS, N.E.C..	6 511	5 478	1 033	15.9	3 549	3 055	494	13.9

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UNITED STATES REGIONS	1980				1970			
	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
WEST								
MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS--CON.								
PROFESSIONAL SPECIALTY OCCUPATIONS--CON.								
HEALTH ASSESSMENT AND TREATING OCCUPATIONS	316 928	48 869	268 059	84.6	174 662	26 167	148 495	85.0
REGISTERED NURSES	234 365	11 430	222 935	95.1	134 805	3 986	130 819	97.0
PHARMACISTS	26 323	19 910	6 413	24.4	18 987	16 307	2 680	14.1
DIETITIANS	11 006	1 489	9 517	86.5	5 686	541	5 145	90.5
THERAPISTS	38 682	11 569	27 113	70.1	15 184	5 333	9 851	64.9
INHALATION THERAPISTS	9 585	4 722	4 863	50.7	1 798	1 300	498	27.7
OCCUPATIONAL THERAPISTS	3 492	262	3 230	92.5	2 015	519	1 496	74.2
PHYSICAL THERAPISTS	9 803	2 869	6 934	70.7	3 536	1 042	2 494	70.5
SPEECH THERAPISTS	7 616	984	6 632	87.1	3 380	261	3 119	92.3
THERAPISTS, N.E.C.	8 186	2 732	5 454	66.6	4 455	2 211	2 244	50.4
PHYSICIANS' ASSISTANTS	6 552	4 471	2 081	31.8	0	0	0	.0
TEACHERS, POSTSECONDARY	134 035	85 356	48 679	36.3	100 970	73 478	27 492	27.2
BIOLOGICAL SCIENCE TEACHERS	2 191	1 454	737	33.6	3 737	2 978	759	20.3
CHEMISTRY TEACHERS	1 780	1 435	345	19.4	3 083	2 717	366	11.9
PHYSICS TEACHERS	1 238	1 143	95	7.7	3 139	2 998	141	4.5
OTHER NATURAL SCIENCE TEACHERS	1 878	696	1182	20.7	1 377	1 314	63	4.6
PSYCHOLOGY TEACHERS	1 175	653	522	44.4	2 594	1 584	1 010	38.9
ECONOMICS TEACHERS	1 893	726	1167	18.7	1 816	1 715	101	5.6
HISTORY TEACHERS	1 053	819	234	22.2	3 283	2 795	488	14.9
OTHER SOCIAL SCIENCE TEACHERS	1 744	1 240	504	28.9	4 192	3 685	507	12.1
ENGINEERING TEACHERS	2 591	2 282	309	11.9	3 677	3 433	244	6.6
MATHEMATICAL AND COMPUTER SCIENCE TEACHERS	3 616	2 675	941	26.0	5 168	4 385	783	15.2
MEDICAL SCIENCE TEACHERS	1 816	1 347	469	25.8	1 744	1 744	0	.0
HEALTH SPECIALTIES TEACHERS	3 982	622	3 360	84.4	4 257	1 105	3 152	74.0
BUSINESS, COMMERCE, AND MARKETING TEACHERS	1 735	949	786	45.3	1 947	1 349	598	30.7
ART, DRAMA, AND MUSIC TEACHERS	6 471	3 494	2 977	46.0	8 309	5 027	3 282	39.5
ENGLISH TEACHERS	5 184	2 404	2 780	53.6	7 785	4 651	3 134	40.3
FOREIGN LANGUAGE TEACHERS	2 734	1 239	1 495	54.7	4 828	3 187	1 641	34.0
OTHER SPECIFIED TEACHERS	7 586	4 937	2 649	34.9	11 475	8 132	3 343	29.1
POSTSECONDARY TEACHERS, SUBJECT NOT SPECIFIED	87 368	57 241	30 127	34.5	28 559	20 679	7 880	27.6
TEACHERS, EXCEPT POSTSECONDARY	676 038	221 699	454 339	67.2	520 217	168 639	351 578	67.6
TEACHERS, PREKINDERGARTEN AND KINDERGARTEN	37 874	1 753	36 121	95.4	27 679	585	27 094	97.9
TEACHERS, ELEMENTARY SCHOOL	408 907	114 993	293 914	71.9	261 207	49 698	211 509	81.0
TEACHERS, SECONDARY SCHOOL	148 930	73 255	75 675	50.8	179 574	98 695	80 879	45.0
TEACHERS, SPECIAL EDUCATION	7 012	2 827	4 185	59.7	320	0	320	100.0
TEACHER, N.E.C.	73 315	28 871	44 444	60.6	51 437	19 661	31 776	61.8
COUNSELORS, EDUCATIONAL AND VOCATIONAL LIBRARIANS, ARCHIVISTS, AND CURATORS	41 327	19 741	21 586	52.2	23 400	13 791	9 609	41.1
LIBRARIANS	36 179	8 075	28 104	77.7	23 695	5 450	18 245	77.0
ARCHIVISTS AND CURATORS	33 247	6 477	26 770	80.5	22 251	4 364	17 887	80.4
SOCIAL SCIENTISTS AND URBAN PLANNERS	2 932	1 598	1 334	45.5	1 444	1 086	358	24.8
ECONOMISTS	49 028	30 033	18 995	38.7	21 831	16 662	5 169	23.7
PSYCHOLOGISTS	18 641	12 782	5 859	31.4	11 179	9 233	1 946	17.4
SOCIOLOGISTS	21 943	11 587	10 356	47.3	6 626	4 055	2 571	38.8
SOCIAL SCIENTISTS, N.E.C.	760	481	279	36.7	364	284	80	22.0
URBAN PLANNERS	3 633	2 065	1 568	43.2	1 237	934	303	24.5
SOCIAL, RECREATION, AND RELIGIOUS WORKERS	4 011	3 118	893	22.3	2 425	2 156	269	11.1
SOCIAL, RECREATION, AND RELIGIOUS WORKERS	155 421	87 534	67 887	43.7	104 619	61 810	42 809	40.9
SOCIAL WORKERS	90 374	36 802	53 572	59.3	53 998	21 600	32 398	60.0
RECREATION WORKERS	8 249	3 144	5 105	61.9	10 897	6 082	4 815	44.2
CLERGY	44 974	41 948	3 026	6.7	31 584	30 373	1 211	3.8
RELIGIOUS WORKERS, N.E.C.	11 824	5 640	6 184	52.3	8 140	3 755	4 385	53.9
LAWYERS AND JUDGES	110 422	92 470	17 952	16.3	48 823	46 154	2 669	5.5
LAWYERS	104 638	87 836	16 802	16.1	45 800	43 434	2 366	5.2
JUDGES	5 784	4 634	1 150	19.9	3 023	2 720	303	10.0
WRITERS, ARTISTS, ENTERTAINERS, AND ATHLETES	337 262	199 299	137 963	40.9	198 247	136 307	61 940	31.2
AUTHORS	15 558	9 103	6 455	41.5	6 844	5 008	1 836	26.8
TECHNICAL WRITERS	11 776	7 363	4 413	37.5	3 037	2 452	585	19.3
DESIGNERS	74 762	37 308	37 454	50.1	44 474	28 336	16 138	36.3
MUSICIANS AND COMPOSERS	36 596	27 859	8 737	23.9	23 679	16 777	6 902	29.1
ACTORS AND DIRECTORS	25 097	16 553	8 544	34.0	11 622	7 162	4 460	38.4
PAINTERS, SCULPTORS, CRAFT-ARTISTS, AND ARTIST PRINTMAKERS	40 771	21 057	19 714	48.4	18 079	10 975	7 104	39.3
PHOTOGRAPHERS	22 165	16 873	5 292	23.9	14 639	12 385	2 254	15.4
DANCERS	4 264	1 097	3 167	74.3	2 931	490	2 441	83.3
ARTISTS, PERFORMERS, AND RELATED WORKERS, N.E.C.	13 850	8 441	5 409	39.1	14 339	10 095	4 244	29.6
EDITORS AND REPORTERS	40 764	21 505	19 259	47.2	26 256	16 482	9 774	37.2
PUBLIC RELATIONS SPECIALISTS	28 707	14 599	14 108	49.1	17 392	12 656	4 736	27.2
ANNOUNCERS	9 287	7 543	1 744	18.8	5 126	4 880	246	4.8
ATHLETES	13 665	9 998	3 667	26.8	9 829	8 609	1 220	12.4

Detailed Occupation of the Experienced Civilian Labor Force by Sex: 1980 and 1970-Con.

(DATA BASED ON SAMPLE; SEE TEXT. FOR DEFINITIONS OF TERMS AND MEANING OF SYMBOLS, SEE TEXT)

UNITED STATES REGIONS	1980				1970			
	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
WEST								
TECH., SALES, & ADMIN. SUPPORT OCCUPATIONS. . . .	6 293 519	2 280 632	4 012 887	63.8	4 149 031	1 678 840	2 470 191	59.5
TECHNICIANS AND RELATED SUPPORT OCCUPATIONS. . . .	646 419	394 015	252 404	39.0	356 796	245 752	111 044	31.1
HEALTH TECHNOLOGISTS AND TECHNICIANS.	170 153	36 020	134 133	78.8	94 791	20 088	74 703	78.8
CLINICAL LAB. TECHNOLOGISTS & TECHNICIANS.	43 397	13 440	29 957	69.0	23 160	7 391	15 769	68.1
DENTAL HYGIENISTS.	8 898	225	8 673	97.5	3 095	292	2 803	90.6
HEALTH RECORD TECHNOLOGISTS AND TECHNICIANS.	3 434	327	3 107	90.5	2 294	209	2 085	90.9
RADIOLOGIC TECHNICIANS.	17 854	6 448	11 406	63.9	10 086	3 584	6 502	64.5
LICENSED PRACTICAL NURSES.	67 863	3 809	64 054	94.4	43 280	1 957	41 323	95.5
HEALTH TECHNOLOGISTS AND TECHNICIANS, N.E.C.. . . .	28 707	11 771	16 936	59.0	12 876	6 655	6 221	48.3
ENGR. AND RELATED TECHNOLOGISTS AND TECHNICIANS.	221 836	181 236	40 600	18.3	153 983	139 625	14 358	9.3
ELECTRICAL AND ELECTRONIC TECHNICIANS.	77 050	67 175	9 875	12.8	43 424	40 746	2 678	6.2
INDUSTRIAL ENGINEERING TECHNICIANS.	1 303	968	335	25.7	2 463	1 876	587	23.8
MECHANICAL ENGINEERING TECHNICIANS.	3 181	2 897	284	8.9	2 388	2 269	119	5.0
ENGINEERING TECHNICIANS, N.E.C.. . . .	56 182	42 761	13 421	23.9	41 136	36 588	4 548	11.1
DRAFTING OCCUPATIONS.	71 602	56 038	15 564	21.7	53 466	47 419	6 047	11.3
SURVEYING AND MAPPING TECHNICIANS.	12 518	11 397	1 121	9.0	11 106	10 727	379	3.4
SCIENCE TECHNICIANS.	33 643	21 904	11 739	34.9	20 407	15 725	4 682	22.9
BIOLOGICAL TECHNICIANS.	8 800	4 651	4 149	47.1	6 338	4 129	2 209	34.9
CHEMICAL TECHNICIANS.	8 427	6 363	2 064	24.5	7 707	6 739	968	12.6
SCIENCE TECHNICIANS, N.E.C.. . . .	16 416	10 890	5 526	33.7	6 362	4 857	1 505	23.7
TECHNICIANS; EXC. HEALTH, ENGINEERING, & SCIENCE	220 787	154 855	65 932	29.9	87 615	70 314	17 301	19.7
AIRPLANE PILOTS AND NAVIGATORS.	23 453	23 120	333	1.4	17 901	17 713	188	1.1
AIR TRAFFIC CONTROLLERS.	9 932	8 234	1 698	17.1	7 121	6 663	458	6.4
BROADCAST EQUIPMENT OPERATORS.	15 574	7 558	8 016	51.5	8 230	5 663	2 567	31.2
COMPUTER PROGRAMMERS.	69 467	49 324	20 143	29.0	33 078	25 441	7 637	23.1
TOOL PROGRAMMERS, NUMERICAL CONTROL.	1 677	1 170	507	30.2	638	534	104	16.3
LEGAL ASSISTANTS.	18 293	6 192	12 101	66.2	3 593	1 299	2 294	63.8
TECHNICIANS, N.E.C.. . . .	82 391	59 257	23 134	28.1	17 054	13 001	4 053	23.8
SALES OCCUPATIONS.	2 158 666	1 126 914	1 031 752	47.8	1 452 424	864 317	588 107	40.5
SUPERVISORS & PROPS., SALES OCCUPATIONS, SALARIED. . . .	231 774	164 149	67 625	29.2	125 407	107 496	17 911	14.3
SUPERVISORS AND PROPRIETORS, SALES OCCUPATIONS, SELF-EMPLOYED.	98 285	68 610	29 675	30.2	97 320	76 033	21 287	21.9
SALES REPRESENTATIVES, FINANCE & BUSINESS SERVICES. . . .	460 055	287 436	172 619	37.5	230 293	185 586	44 707	19.4
INSURANCE SALES OCCUPATIONS.	103 408	74 129	29 279	28.3	79 429	68 146	11 283	14.2
REAL ESTATE SALES OCCUPATIONS.	220 794	128 392	92 402	41.8	88 068	62 213	25 855	29.4
SECURITIES AND FINANCIAL SERVICES SALES OCCUPATIONS.	28 354	23 238	5 116	18.0	22 153	20 125	2 028	9.2
ADVERTISING AND RELATED SALES OCCUPATIONS.	23 418	13 373	10 045	42.9	12 098	9 266	2 832	23.4
SALES OCCUPATIONS, OTHER BUSINESS SERVICES.	84 081	48 304	35 777	42.6	28 545	25 836	2 709	9.5
SALES REPRESENTATIVES, COMMODITIES EXCEPT RETAIL. . . .	246 730	203 183	43 547	17.6	187 194	173 005	14 189	7.6
SALES ENGINEERS.	6 537	6 071	466	7.1	9 091	9 026	65	.7
SALES REPRESENTATIVES, MINING, MANUFACTURING, AND WHOLESALE.	240 193	197 112	43 081	17.9	178 103	163 979	14 124	7.9
SALES WORKERS, RETAIL AND PERSONAL SERVICES.	1 115 862	401 205	714 657	64.0	807 945	320 940	487 005	60.3
SALES WORKERS, MOTOR VEHICLES AND BOATS.	60 212	55 103	5 109	8.5	45 489	44 357	1 132	2.5
SALES WORKERS, APPAREL.	65 272	14 904	70 368	82.5	94 631	19 422	75 209	79.5
SALES WORKERS, SHOES.	20 475	10 106	10 369	50.6	22 543	12 774	9 769	43.3
SALES WORKERS, FURNITURE AND HOME FURNISHINGS.	31 584	18 185	13 399	42.4	27 238	16 266	10 972	40.2
SALES WORKERS; RADIO, TV, HI-FI, AND APPLIANCES.	26 603	19 241	7 362	27.7	21 441	16 100	5 341	24.9
SALES WORKERS, HARDWARE AND BUILDING SUPPLIES.	42 340	32 096	10 244	24.2	40 639	34 573	6 066	14.9
SALES WORKERS, PARTS.	44 052	39 756	4 296	9.8	33 391	31 825	1 566	4.7
SALES WORKERS, OTHER COMMODITIES.	347 609	102 841	244 768	70.4	268 299	81 520	186 779	69.6
SALES COUNTER CLERKS.	19 478	6 174	13 304	68.3	23 475	7 139	16 336	69.6
CASHIERS.	364 210	77 278	286 932	78.8	167 337	35 064	132 273	79.0
STREET AND DOOR-TO-DOOR SALES WORKERS.	52 669	11 391	41 278	78.4	47 987	9 037	38 950	81.2
NEWS VENDORS.	21 358	14 130	7 228	33.8	15 475	12 843	2 632	17.0
SALES RELATED OCCUPATIONS.	5 960	2 331	3 629	60.9	4 265	1 257	3 008	70.5
DEMONSTRATORS, PROMOTERS AND MODELS, SALES.	3 319	643	2 676	80.6	2 591	577	2 014	77.7
AUCTIONEERS.	1 224	942	282	23.0	766	680	86	11.2
SALES SUPPORT OCCUPATIONS, N.E.C.. . . .	1 417	746	671	47.4	908	0	908	100.0
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL.	3 488 434	759 703	2 728 731	78.2	2 339 811	568 771	1 771 040	75.7
SUPERVISORS, ADMINISTRATIVE SUPPORT OCCUPATIONS.	214 165	99 882	114 283	53.4	76 629	32 413	44 216	57.7
SUPERVISORS, GENERAL OFFICE.	132 431	50 177	82 254	62.1	50 004	17 939	32 065	64.1
SUPERVISORS, COMPUTER EQUIPMENT OPERATORS.	8 345	5 656	2 689	32.2	2 555	1 962	593	23.2
SUPERVISORS, FINANCIAL RECORDS PROCESSING.	31 073	13 479	17 594	56.6	7 043	3 796	3 247	46.1
CHIEF COMMUNICATIONS OPERATORS.	12 361	7 903	4 458	36.1	8 719	1 561	7 158	82.1
SUPERVISORS; DISTRIBUTION, SCHEDULING, AND ADJUSTING CLERKS.	29 955	22 667	7 288	24.3	8 308	7 155	1 153	13.9
COMPUTER EQUIPMENT OPERATORS.	84 770	32 845	51 925	61.3	29 750	16 812	12 938	43.5
COMPUTER OPERATORS.	81 009	31 432	49 577	61.2	22 611	14 329	8 282	36.6
PERIPHERAL EQUIPMENT OPERATORS.	3 761	1 413	2 348	62.4	7 139	2 483	4 656	65.2

Detailed Occupation of the Experienced Civilian Labor Force by Sex: 1980 and 1970--Con.

(DATA BASED ON SAMPLE; SEE TEXT, FOR DEFINITIONS OF TERMS AND MEANING OF SYMBOLS, SEE TEXT)

UNITED STATES REGIONS	1980				1970			
	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
WEST								
TECH., SALES, & ADMIN. SUPPORT OCCUPATIONS--CON.								
ADMINISTRATIVE SUPPORT OCCUPATIONS, INCLUDING CLERICAL--CON.								
SECRETARIES, STENOGRAPHERS AND TYPISTS	880 740	18 645	862 095	97.9	700 912	18 967	681 945	97.3
SECRETARIES	722 927	10 418	712 509	98.6	492 007	8 737	483 270	98.2
STENOGRAPHERS	15 630	1 819	13 811	88.4	27 248	1 807	25 441	93.4
TYPISTS	142 183	6 408	135 775	95.5	181 657	8 423	173 234	95.4
INFORMATION CLERKS	217 888	32 010	185 878	85.3	129 968	23 728	106 240	81.7
INTERVIEWERS	35 338	8 055	27 283	77.2	24 438	4 627	19 811	81.1
MOTEL CLERKS	15 909	5 163	10 746	67.5	9 088	4 518	4 570	50.3
TRANSPORTATION TICKET AND RESERVATION AGENTS	25 633	10 705	14 928	58.2	18 320	9 615	8 705	47.5
RECEPTIONISTS	124 175	4 496	119 679	96.4	68 170	2 412	65 758	96.5
INFORMATION CLERKS, N.E.C.	16 833	3 591	13 242	78.7	9 952	2 556	7 396	74.3
RECORDS PROCESSING OCCUPATIONS, EXCEPT FINANCIAL	203 979	45 214	158 765	77.8	126 854	25 527	101 327	79.9
CLASSIFIED-AD CLERKS	3 061	610	2 451	80.1	1 693	437	1 256	74.2
CORRESPONDENCE CLERKS	1 933	328	1 605	83.0	2 436	753	1 683	69.1
ORDER CLERKS	65 978	20 911	45 067	68.3	20 733	4 687	16 046	77.4
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	16 607	1 945	14 662	88.3	1 580	152	1 428	90.4
LIBRARY CLERKS	29 722	5 930	23 792	80.0	27 556	5 904	21 652	78.6
FILE CLERKS	57 485	10 989	46 496	80.9	60 927	9 870	51 057	83.8
RECORDS CLERKS	29 193	4 501	24 692	84.6	11 929	3 724	8 205	68.8
FINANCIAL RECORDS PROCESSING OCCUPATIONS	494 068	54 445	439 623	89.0	376 022	63 178	312 844	83.2
BOOKKEEPERS, ACCOUNTING, AND AUDITING CLERKS	411 782	40 651	371 131	90.1	309 299	50 229	259 070	83.8
PAYROLL AND TIMEKEEPING CLERKS	28 818	4 117	24 701	85.7	21 003	5 359	15 644	74.5
BILLING CLERKS	23 332	2 455	20 877	89.5	18 607	2 739	15 868	85.3
COST AND RATE CLERKS	17 781	5 430	12 351	69.4	7 990	2 998	4 992	62.5
BILLING, POSTING, & CALCULATING MACH. OPERATORS	12 395	1 792	10 603	85.5	19 123	1 853	17 270	90.3
DUPLICATING, MAIL & OTHER OFFICE MACHINE OPERATORS	12 439	4 321	8 118	65.3	11 882	3 844	8 038	67.6
DUPLICATING MACHINE OPERATORS	4 495	1 500	2 995	66.6	4 851	1 762	3 089	63.7
MAIL PREPARING & PAPER HANDLING MACH. OPERATORS	1 341	630	711	53.0	2 614	520	2 094	80.1
OFFICE MACHINE OPERATORS, N.E.C.	6 603	2 191	4 412	66.8	4 417	1 562	2 855	64.6
COMMUNICATIONS EQUIPMENT OPERATORS	73 311	9 123	64 188	87.6	80 260	5 587	74 673	93.0
TELEPHONE OPERATORS	68 176	7 595	60 581	88.9	77 595	3 755	73 840	95.2
TELEGRAPHERS	1 867	1 061	806	43.2	2 665	1 832	833	31.3
COMMUNICATIONS EQUIPMENT OPERATORS, N.E.C.	3 268	467	2 801	85.7	0	0	0	0
MAIL AND MESSAGE DISTRIBUTING OCCUPATIONS	149 463	100 090	49 373	33.0	134 463	95 717	38 746	28.8
POSTAL CLERKS, EXC. MAIL CARRIERS	53 093	32 754	20 339	38.3	56 168	35 017	21 151	37.7
MAIL CARRIERS, POSTAL SERVICE	48 747	40 414	8 333	17.1	46 855	41 318	5 537	11.8
MAIL CLERKS, EXC. POSTAL SERVICE	30 977	16 079	14 898	48.1	21 230	11 765	9 465	44.6
MESSENGERS	16 646	10 843	5 803	34.9	10 210	7 617	2 593	25.4
MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING CLERKS	332 224	204 461	127 763	38.5	228 903	171 216	57 687	25.2
DISPATCHERS	22 534	14 213	8 321	36.9	13 953	11 225	2 728	19.6
PRODUCTION COORDINATORS	54 207	29 179	25 028	46.2	29 326	22 640	6 686	22.8
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	88 463	65 689	22 774	25.7	62 472	53 391	9 081	14.5
STOCK AND INVENTORY CLERKS	116 312	69 598	46 714	39.9	81 473	57 479	23 994	29.5
METER READERS	6 602	5 487	1 115	16.9	5 385	5 274	111	2.1
WEIGHERS, MEASURERS, AND CHECKERS	12 921	7 596	5 325	41.2	13 920	9 336	4 584	32.9
SAMPLERS	484	284	200	41.3	1 217	924	293	24.1
EXPEDITORS	22 209	10 118	12 091	54.4	15 237	9 291	5 946	39.0
MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING CLERKS, N.E.C.	8 492	1 937	6 555	77.2	5 920	1 656	4 264	72.0
ADJUSTERS AND INVESTIGATORS	123 405	43 158	80 247	65.0	72 965	42 152	30 813	42.2
INSURANCE ADJUSTERS, EXAMINERS, & INVESTIGATORS	34 123	13 383	20 740	60.8	19 774	12 700	7 074	35.8
INVESTIGATORS AND ADJUSTERS, EXCEPT INSURANCE	60 185	21 094	39 091	65.0	40 041	22 495	17 546	43.8
ELIGIBILITY CLERKS, SOCIAL WELFARE	10 224	1 955	8 269	80.9	232	51	181	78.0
BILL AND ACCOUNT COLLECTORS	18 873	6 726	12 147	64.4	12 918	6 906	6 012	46.5
MISCELLANEOUS ADMINISTRATIVE SUPPORT OCCUPATIONS	701 982	115 509	586 473	83.5	371 203	69 630	301 573	81.2
GENERAL OFFICE CLERKS	342 592	59 092	283 500	82.8	141 540	29 846	111 694	78.9
BANK TELLERS	108 683	10 225	98 458	90.6	55 957	3 831	52 126	93.2
PROOFREADERS	4 794	1 106	3 688	76.9	4 040	971	3 069	76.0
DATA-ENTRY KEYERS	77 907	7 089	70 818	90.9	50 512	2 689	47 823	94.7
STATISTICAL CLERKS	27 247	5 988	21 259	78.0	31 992	9 917	22 075	69.0
TEACHERS' AIDES	51 396	4 381	47 015	91.5	31 950	4 106	27 844	87.1
ADMINISTRATIVE SUPPORT OCCUPATIONS, N.E.C.	89 363	27 628	61 735	69.1	55 212	18 270	36 942	66.9
SERVICE OCCUPATIONS	2 722 090	1 179 639	1 542 451	56.7	1 812 925	780 663	1 032 262	56.9
PRIVATE HOUSEHOLD OCCUPATIONS	109 113	6 858	102 255	93.7	160 585	7 460	153 125	95.4
LAUNDERS AND IRONERS	476	143	333	70.0	1 906	130	1 776	93.2
COOKS, PRIVATE HOUSEHOLD	1 507	406	1 101	73.1	3 838	505	3 333	86.8
HOUSEKEEPERS AND BUTLERS	16 374	716	15 658	95.6	12 504	369	12 135	97.0
CHILD CARE WORKERS, PRIVATE HOUSEHOLD	31 757	1 012	30 745	96.8	51 481	1 148	50 333	97.6
PRIVATE HOUSEHOLD CLEANERS AND SERVANTS	58 999	4 581	54 418	92.2	90 856	5 308	85 548	94.2

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UNITED STATES REGIONS	1980				1970			
	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
WEST								
SERVICE OCCUPATIONS--CON.								
PROTECTIVE SERVICE OCCUPATIONS	293 658	258 730	34 926	11.9	182 291	171 759	10 532	5.8
SUPERVISORS, PROTECTIVE SERVICE OCCUPATIONS	22 207	20 982	1 225	5.5	15 697	15 327	370	2.4
SUPERVISORS, FIREFIGHTING AND FIRE PREVENTION OCCUPATIONS	6 219	6 192	27	.4	5 793	5 793	0	.0
SUPERVISORS, POLICE AND DETECTIVES	10 342	9 842	500	4.8	8 026	7 804	222	2.8
SUPERVISORS, GUARDS	5 646	4 948	698	12.4	1 878	1 730	148	7.9
FIREFIGHTING AND FIRE PREVENTION OCCUPATIONS	47 786	46 216	1 570	3.3	35 008	34 570	438	1.3
FIRE INSPECTION AND FIRE PREVENTION OCCUPATIONS	7 184	6 440	744	10.4	3 413	3 413	0	.0
FIREFIGHTING OCCUPATIONS	40 602	39 776	826	2.0	31 595	31 157	438	1.4
POLICE AND DETECTIVES	103 865	93 514	10 351	10.0	74 760	70 463	4 297	5.7
POLICE AND DETECTIVES, PUBLIC SERVICE	73 609	67 799	5 810	7.9	55 353	52 913	2 440	4.4
SHERIFFS, BAILIFFS, AND OTHER LAW ENFORCEMENT OFFICERS	16 998	14 869	2 129	12.5	12 280	11 523	757	6.2
CORRECTIONAL INSTITUTION OFFICERS	13 258	10 846	2 412	18.2	7 127	6 027	1 100	15.4
GUARDS	119 800	98 018	21 782	18.2	56 826	51 399	5 427	9.6
CROSSING GUARDS	4 941	2 181	2 760	55.9	3 529	1 698	1 831	51.9
GUARDS AND POLICE, EXC. PUBLIC SERVICE	105 777	90 126	15 651	14.8	46 965	44 922	2 043	4.4
PROTECTIVE SERVICE OCCUPATIONS, N.E.C.	9 082	5 711	3 371	37.1	6 332	4 779	1 553	24.5
SERVICE OCCUPATIONS, EXCEPT PROTECTIVE AND HOUSEHOLD	2 319 319	914 051	1 405 268	60.6	1 470 049	601 444	868 605	59.1
FOOD PREPARATION AND SERVICE OCCUPATIONS	1 040 126	409 417	630 709	60.6	659 344	241 759	417 585	63.3
SUPERVISORS, FOOD PREP. & SERVICE OCCUPATIONS	53 880	22 457	31 423	58.3	31 484	18 426	13 058	41.5
BARTENDERS	80 299	42 233	38 066	47.4	50 748	37 914	12 834	25.3
WAITERS AND WAITRESSES	328 439	48 338	280 101	85.3	239 139	20 025	219 114	91.6
COOKS, EXCEPT SHORT ORDER	275 593	146 486	129 107	46.8	125 811	54 225	71 586	56.9
SHORT-ORDER COOKS	12 968	8 408	4 560	35.3	23 703	16 725	6 978	29.4
FOOD COUNTER, FOUNTAIN AND RELATED OCCUPATIONS	51 604	9 742	41 862	81.1	25 928	10 684	15 244	58.8
KITCHEN WORKERS, FOOD PREPARATION	20 204	5 201	15 003	74.3	12 535	1 283	11 252	89.8
WAITERS/WAITRESSES' ASSISTANTS	76 699	51 329	25 370	33.1	40 847	31 859	8 988	22.0
MISCELLANEOUS FOOD PREPARATION OCCUPATIONS	140 420	75 223	65 197	46.4	109 149	50 618	58 531	53.6
HEALTH SERVICE OCCUPATIONS	289 148	36 796	252 352	87.3	194 676	22 643	172 033	88.4
DENTAL ASSISTANTS	39 579	863	38 716	97.8	24 649	574	24 075	97.7
HEALTH AIDES, EXCEPT NURSING	49 513	8 203	41 310	83.4	24 612	4 162	20 450	83.1
NURSING AIDES, ORDERLIES, AND ATTENDANTS	200 056	27 730	172 326	86.1	145 415	17 907	127 508	87.7
CLEANING AND BUILDING SERVICE OCCUPATIONS, EXCEPT HOUSEHOLD	555 064	363 335	191 729	34.5	370 562	258 867	111 695	30.1
SUPERVISORS, CLEANING AND BLDG. SERVICE WORKERS	25 290	18 288	7 002	27.7	10 583	7 587	2 996	28.3
MAIDS AND HOUSEMEN	123 228	22 591	100 637	81.7	76 034	3 921	72 113	94.8
JANITORS AND CLEANERS	397 495	314 436	83 059	20.9	276 079	240 637	35 442	12.8
ELEVATOR OPERATORS	1 483	911	572	38.6	2 763	1 619	1 144	41.4
PEST CONTROL OCCUPATIONS	7 568	7 109	459	6.1	5 103	5 103	0	.0
PERSONAL SERVICE OCCUPATIONS	434 981	104 503	330 478	76.0	245 467	78 175	167 292	68.2
SUPERVISORS, PERSONAL SERVICE OCCUPATIONS	7 377	4 307	3 070	41.6	3 665	2 257	1 408	38.4
BARBERS	19 251	15 825	3 426	17.8	30 139	27 855	2 284	7.6
HAIRDRESSERS AND COSMETOLOGISTS	108 947	16 130	92 817	85.2	92 694	10 433	82 261	88.7
ATTENDANTS, AMUSEMENT AND RECREATION FACILITIES	46 336	27 503	18 833	40.6	20 692	15 193	5 499	26.6
GUIDES	8 120	4 192	3 928	48.4	1 267	821	446	35.2
USHERS	5 573	3 559	2 014	36.1	6 491	3 926	2 565	39.5
PUBLIC TRANSPORTATION ATTENDANTS	21 609	3 787	17 822	82.5	12 675	836	11 839	93.4
BAGGAGE PORTERS AND BELLHOPS	6 267	5 812	455	7.3	4 532	4 420	112	2.5
WELFARE SERVICE AIDES	11 273	2 078	9 195	81.6	3 629	1 037	2 592	71.4
CHILD CARE WORKERS, EXCEPT PRIVATE HOUSEHOLD	164 936	11 448	153 488	93.1	41 675	2 993	38 682	92.8
PERSONAL SERVICE OCCUPATIONS, N.E.C.	35 292	9 862	25 430	72.1	28 008	8 404	19 604	70.0
FARMING, FORESTRY, AND FISHING OCCUPATIONS	697 188	581 415	115 773	16.6	564 007	505 203	58 804	10.4
FARM OPERATORS AND MANAGERS	171 389	153 033	18 356	10.7	166 019	155 503	10 516	6.3
FARMERS, EXCEPT HORTICULTURAL	130 188	115 953	14 235	10.9	148 173	139 259	8 914	6.0
HORTICULTURAL SPECIALTY FARMERS	3 319	2 779	540	16.3	1 702	980	722	42.4
MANAGERS, FARMS, EXCEPT HORTICULTURAL	34 471	31 416	3 055	8.9	15 983	15 103	880	5.5
MANAGERS, HORTICULTURAL SPECIALTY FARMS	3 411	2 885	526	15.4	161	161	0	.0
FARM OCCUPATIONS, EXCEPT MANAGERIAL	292 770	232 034	60 736	20.7	246 046	208 709	37 337	15.2
SUPERVISORS, FARM WORKERS	21 298	18 863	2 435	11.4	15 201	14 169	1 032	6.8
FARM WORKERS	261 436	207 647	53 789	20.6	218 369	188 025	30 344	13.9
MARINE LIFE CULTIVATION WORKERS	841	312	529	62.9	0	0	0	.0
NURSERY WORKERS	9 195	5 212	3 983	43.3	12 476	6 515	5 961	47.8
RELATED AGRICULTURAL OCCUPATIONS	165 935	134 250	31 685	19.1	114 878	104 920	9 958	8.7
SUPERVISORS, RELATED AGRICULTURAL OCCUPATIONS	4 773	4 284	489	10.2	8 793	8 648	145	1.6
GROUNDKEEPERS AND GARDENERS, EXCEPT FARM	131 517	121 240	10 277	7.8	88 255	85 755	2 500	2.8
ANIMAL CARETAKERS, EXCEPT FARM	17 670	6 424	11 246	63.6	11 176	7 440	3 736	33.4
GRADERS AND SORTERS, AGRICULTURAL PRODUCTS	11 702	2 067	9 635	82.3	6 654	3 077	3 577	53.8
INSPECTORS, AGRICULTURAL PRODUCTS	273	235	38	13.9	0	0	0	.0

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UNITED STATES REGIONS	1980				1970			
	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
WEST								
FARMING, FORESTRY, AND FISHING OCCUPATIONS--CON.								
FORESTRY AND LOGGING OCCUPATIONS	49 088	45 310	3 778	7.7	28 236	27 685	551	2.0
SUPERVISORS, FORESTRY AND LOGGING WORKERS	4 343	4 138	205	4.7	724	724	0	.0
FORESTRY WORKERS, EXCEPT LOGGING	12 207	9 432	2 775	22.7	2 225	2 225	0	.0
TIMBER CUTTING AND LOGGING OCCUPATIONS	32 538	31 740	798	2.5	25 287	24 736	551	2.2
FISHERS, HUNTERS, AND TRAPPERS	18 006	16 788	1 218	6.8	8 828	8 386	442	5.0
CAPTAINS AND OTHER OFFICERS, FISHING VESSELS	2 169	2 101	68	3.1	1 154	1 064	90	7.8
FISHERS	15 162	14 087	1 075	7.1	7 454	7 102	352	4.7
HUNTERS AND TRAPPERS	675	600	75	11.1	220	220	0	.0
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS	2 651 251	2 418 696	232 555	8.8	1 845 994	1 722 131	123 863	6.7
MECHANICS AND REPAIRERS	764 886	735 502	29 384	3.8	572 111	559 064	13 047	2.3
SUPERVISORS, MECHANICS AND REPAIRERS	35 249	33 975	1 274	3.6	23 726	22 721	1 005	4.2
MECHANICS AND REPAIRERS, EXCEPT SUPERVISORS	729 637	701 527	28 110	3.9	548 385	536 343	12 042	2.2
VEHICLE AND MOBILE EQUIPMENT MECHS. & REPAIRERS	352 498	346 935	5 563	1.6	255 101	250 438	4 663	1.8
AUTOMOBILE MECHANICS	205 059	202 237	2 822	1.4	142 037	140 440	1 597	1.1
BUS, TRUCK, AND STATIONARY ENGINE MECHANICS	25 906	25 632	274	1.1	13 312	13 057	255	1.9
AIRCRAFT MECHANICS	36 168	34 611	1 557	4.3	38 646	36 492	2 154	5.6
SMALL ENGINE REPAIRERS	7 117	7 025	92	1.3	6 551	6 432	119	1.8
AUTOMOBILE BODY AND RELATED REPAIRERS	37 803	37 274	529	1.4	20 823	20 599	224	1.1
HEAVY EQUIPMENT MECHANICS	31 117	30 877	240	.8	27 624	27 365	259	.9
FARM EQUIPMENT MECHANICS	9 328	9 279	49	.5	6 108	6 053	55	.9
INDUSTRIAL MACHINERY REPAIRERS	58 513	56 638	1 875	3.2	48 143	47 566	577	1.2
MACHINERY MAINTENANCE OCCUPATIONS	9 755	9 429	326	3.3	11 880	11 652	228	1.9
ELECTRICAL AND ELECTRONIC EQUIPMENT REPAIRERS	138 142	124 735	13 407	9.7	116 850	114 139	2 711	2.3
ELECTRONIC REPAIRERS, COMMUNICATIONS AND INDUSTRIAL EQUIPMENT	35 490	33 588	1 902	5.4	34 561	33 646	915	2.6
DATA PROCESSING EQUIPMENT REPAIRERS	10 109	9 111	998	9.9	6 030	5 775	255	4.2
HOUSEHOLD APPLIANCE AND POWER TOOL REPAIRERS	17 948	17 437	511	2.8	14 038	13 916	122	.9
TELEPHONE LINE INSTALLERS AND REPAIRERS	13 851	12 679	1 172	8.5	10 280	10 084	196	1.9
TELEPHONE INSTALLERS AND REPAIRERS	53 522	45 304	8 218	15.4	45 882	44 659	1 223	2.7
MISCELLANEOUS ELECTRICAL AND ELECTRONIC EQUIPMENT REPAIRERS	7 222	6 616	606	8.4	6 059	6 059	0	.0
HEATING, AIR CONDITIONING, & REFRIG. MECHS.	23 461	23 226	235	1.0	15 926	15 793	133	.8
MISCELLANEOUS MECHANICS AND REPAIRERS	147 268	140 564	6 704	4.6	100 485	96 755	3 730	3.7
CAMERA, WATCH, & MUSICAL INSTR. REPAIRERS	8 189	7 345	844	10.3	5 980	5 670	310	5.2
LOCKSMITHS AND SAFE REPAIRERS	5 635	5 204	431	7.6	3 549	3 430	119	3.4
OFFICE MACHINE REPAIRERS	8 388	7 916	472	5.6	9 590	9 494	96	1.0
MECHANICAL CONTROLS AND VALVE REPAIRERS	4 621	4 467	154	3.3	6 827	6 465	362	5.3
ELEVATOR INSTALLERS AND REPAIRERS	3 324	3 285	39	1.2	3 559	3 559	0	.0
MILLWRIGHTS	17 231	16 639	592	3.4	13 637	13 575	62	.5
SPECIFIED MECHANICS AND REPAIRERS, N.E.C.	58 017	55 322	2 695	4.6	37 508	35 302	2 206	5.9
NOT SPECIFIED MECHANICS AND REPAIRERS	41 863	40 386	1 477	3.5	19 835	19 260	575	2.9
CONSTRUCTION TRADES	1 021 042	997 018	24 024	2.4	603 113	593 414	9 699	1.6
SUPERVISORS, CONSTRUCTION OCCUPATIONS	187 087	183 405	3 682	2.0	90 214	89 198	1 016	1.1
SUPERVISORS; BRICKMASTONS, STONEMASTONS, AND TILE SETTERS	1 144	1 137	7	.6	723	723	0	.0
SUPERVISORS, CARPENTERS AND RELATED WORKERS	9 698	9 646	52	.5	9 800	9 572	228	2.3
SUPERVISORS, ELECTRICIANS AND POWER TRANSMISSION INSTALLERS	8 071	7 886	185	2.3	5 211	5 211	0	.0
SUPERVISORS; PAINTERS, PAPERHANGERS, AND PLASTERERS	2 965	2 939	26	.9	2 203	2 157	46	2.1
SUPERVISORS; PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	4 012	4 007	5	.1	4 277	4 277	0	.0
SUPERVISORS, N.E.C.	161 197	157 790	3 407	2.1	68 000	67 258	742	1.1
CONSTRUCTION TRADES, EXCEPT SUPERVISORS	833 955	813 613	20 342	2.4	512 899	504 216	8 683	1.7
BRICKMASTONS & STONEMASTONS	27 849	27 511	338	1.2	16 076	15 812	264	1.6
TILE SETTERS, HARD AND SOFT	9 886	9 661	225	2.3	6 176	6 132	44	.7
CARPET INSTALLERS	23 389	23 023	366	1.6	11 107	10 997	110	1.0
CARPENTERS	287 362	281 694	5 668	2.0	156 718	155 013	1 705	1.1
DRYWALL INSTALLERS	32 991	32 376	615	1.9	13 291	13 157	134	1.0
ELECTRICIANS	112 867	110 129	2 738	2.4	79 527	77 669	1 858	2.3
ELECTRICAL POWER INSTALLERS AND REPAIRERS	17 065	16 671	394	2.3	15 100	14 849	251	1.7
PAINTERS, CONSTRUCTION AND MAINTENANCE	89 208	83 935	5 273	5.9	62 093	60 245	1 848	3.0
PAPERHANGERS	3 543	2 900	643	18.1	1 211	1 152	59	4.9
PLASTERERS	10 258	10 139	119	1.2	7 721	7 675	46	.6
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	91 030	89 615	1 415	1.6	60 347	59 584	763	1.3
CONCRETE AND TERRAZZO FINISHERS	21 250	21 071	179	.8	15 820	15 675	145	.9
GLAZIERS	9 677	9 329	348	3.6	5 291	5 137	154	2.9
INSULATION WORKERS	10 576	10 259	317	3.0	3 661	3 661	0	.0
PAVING, SURFACING, AND TAMPING EQUIPMENT OPERATORS	1 639	1 611	28	1.7	1 440	1 440	0	.0
ROOFERS	28 839	28 443	396	1.4	11 789	11 635	154	1.3

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	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
WEST								
PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS--CON.								
CONSTRUCTION TRADES, EXCEPT SUPERVISORS--CON.								
SHEETMETAL DUCT INSTALLERS	5 949	5 872	77	1.3	3 691	3 691	0	.0
STRUCTURAL METAL WORKERS	14 414	14 239	175	1.2	12 861	12 727	134	1.0
DRILLERS, EARTH.	5 638	5 534	104	1.8	5 575	5 087	488	8.8
CONSTRUCTION TRADES, N.E.C.	30 525	29 601	924	3.0	23 404	22 878	526	2.2
EXTRACTIVE OCCUPATIONS	58 976	57 369	1 607	2.7	35 287	34 588	699	2.0
SUPERVISORS, EXTRACTIVE OCCUPATIONS.	15 175	14 859	316	2.1	9 978	9 978	0	.0
DRILLERS, OIL WELL	12 004	11 792	212	1.8	7 738	7 738	0	.0
EXPLOSIVES WORKERS	2 471	2 415	56	2.3	2 873	2 818	55	1.9
MINING MACHINE OPERATORS	18 727	18 078	649	3.5	7 292	7 292	0	.0
MINING OCCUPATIONS, N.E.C.	10 599	10 225	374	3.5	7 406	6 762	644	8.7
PRECISION PRODUCTION OCCUPATIONS	806 347	628 807	177 540	22.0	635 483	535 065	100 418	15.8
SUPERVISORS, PRODUCTION OCCUPATIONS.	298 108	245 100	53 008	17.8	221 070	198 705	22 365	10.1
PRECISION METALWORKING OCCUPATIONS	181 315	168 945	12 370	6.8	160 603	154 079	6 524	4.1
TOOL AND DIE MAKERS	17 641	17 091	550	3.1	19 883	19 565	318	1.6
PRECISION ASSEMBLERS, METAL.	8 599	6 308	2 291	26.6	8 370	5 854	2 516	30.1
MACHINISTS	98 783	94 622	4 161	4.2	81 446	79 596	1 850	2.3
BOILERMAKERS	6 184	6 101	83	1.3	4 914	4 846	68	1.4
PRECISION GRINDERS, FILERS, & TOOL SHARPENERS.	3 582	3 377	205	5.7	2 555	2 505	50	2.0
PATTERNMAKERS AND MODEL MAKERS, METAL.	2 306	2 004	302	13.1	4 617	4 323	294	6.4
LAY-OUT WORKERS	3 743	3 516	227	6.1	3 302	3 269	33	1.0
PRECIOUS STONES AND METALS WORKERS (JEWELERS).	9 147	6 429	2 718	29.7	3 133	2 496	637	20.3
ENGRAVERS, METAL	2 624	1 602	1 022	38.9	1 443	1 148	295	20.4
SHEET METAL WORKERS	28 379	27 663	716	2.5	30 875	30 412	463	1.5
MISCELLANEOUS PRECISION METAL WORKERS.	327	232	95	29.1	65	65	0	.0
PRECISION WOODWORKING OCCUPATIONS.	26 139	24 025	2 114	8.1	19 416	18 636	780	4.0
PATTERNMAKERS AND MODEL MAKERS, WOOD	375	370	5	1.3	1 148	1 148	0	.0
CABINET MAKERS AND BENCH CARPENTERS.	19 512	18 394	1 118	5.7	14 573	14 061	512	3.5
FURNITURE AND WOOD FINISHERS	5 432	4 658	774	14.2	3 695	3 427	268	7.3
MISCELLANEOUS PRECISION WOODWORKERS.	820	603	217	26.5	0	0	0	.0
PRECISION TEXTILE, APPAREL, AND FURNISHINGS								
MACHINE WORKERS	59 128	27 799	31 329	53.0	47 157	24 275	22 882	48.5
DRESSMAKERS.	23 892	1 881	22 011	92.1	17 907	1 021	16 886	94.3
TAILORS.	10 770	6 330	4 440	41.2	9 152	5 870	3 282	35.9
UPHOLSTERERS	16 245	13 929	2 316	14.3	12 763	11 102	1 661	13.0
SHOE REPAIRERS	5 623	4 704	919	16.3	6 081	5 642	439	7.2
APPAREL AND FABRIC PATTERNMAKERS	846	334	512	60.5	159	159	0	.0
MISC. PRECISION APPAREL AND FABRIC WORKERS	1 752	621	1 131	64.6	1 095	481	614	56.1
PRECISION WORKERS, ASSORTED MATERIALS.	93 740	40 292	53 448	57.0	53 127	23 300	29 827	56.1
HAND MOLDERS AND SHAPERS, EXCEPT JEWELERS.	5 498	4 677	821	14.9	5 904	5 387	517	8.8
PATTERNMAKERS, LAY-OUT WORKERS, AND CUTTERS.	2 123	1 357	766	36.1	431	276	155	36.0
OPTICAL GOODS WORKERS.	9 810	5 974	3 836	39.1	5 296	4 145	1 151	21.7
DENTAL LAB. & MEDICAL APPLIANCE TECHNICIANS.	12 683	8 861	3 822	30.1	6 635	5 059	1 576	23.8
BOOKBINDERS.	4 740	1 645	3 095	65.3	4 483	1 683	2 800	62.5
ELECTRICAL AND ELECTRONIC EQUIPMENT ASSEMBLERS	51 946	11 832	40 114	77.2	28 626	5 113	23 513	82.1
MISCELLANEOUS PRECISION WORKERS, N.E.C.	6 940	5 946	994	14.3	1 752	1 637	115	6.6
PRECISION FOOD PRODUCTION OCCUPATIONS.	83 474	65 089	18 385	22.0	70 853	59 548	11 305	16.0
BUTCHERS AND MEAT CUTTERS.	53 936	46 809	7 127	13.2	50 052	44 392	5 660	11.3
BAKERS	23 595	14 853	8 742	37.1	16 610	12 704	3 906	23.5
FOOD BATCHMAKERS	5 943	3 427	2 516	42.3	4 191	2 452	1 739	41.5
PRECISION INSPECTORS, TESTERS, & RELATED WORKERS	20 508	15 303	5 205	25.4	27 299	20 838	6 461	23.7
INSPECTORS, TESTERS, AND GRADERS	20 225	15 140	5 085	25.1	26 193	20 838	5 355	20.4
ADJUSTERS AND CALIBRATORS.	283	163	120	42.4	1 106	0	1 106	100.0
PLANT AND SYSTEM OPERATORS	43 935	42 254	1 681	3.8	35 958	35 684	274	.8
WATER AND SEWAGE TREATMENT PLANT OPERATORS	4 901	4 704	197	4.0	2 625	2 625	0	.0
POWER PLANT OPERATORS.	5 183	4 912	271	5.2	3 839	3 746	93	2.4
STATIONARY ENGINEERS	23 772	22 904	868	3.7	23 581	23 400	181	.8
MISCELLANEOUS PLANT AND SYSTEM OPERATORS	10 079	9 734	345	3.4	5 913	5 913	0	.0
OPERATORS, FABRICATORS, AND LABORERS	3 101 339	2 356 014	745 325	24.0	2 370 165	1 875 581	494 584	20.9
MACHINE OPERATORS, ASSEMBLERS, & INSPECTORS.	1 356 490	848 943	507 547	37.4	1 014 716	653 966	360 750	35.6
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION.	820 283	529 907	290 376	35.4	678 404	451 113	227 291	33.5
METALWORKING & PLASTIC WORKING MACH. OPERATORS	77 661	65 696	11 965	15.4	71 581	60 747	10 834	15.1
LATHE AND TURNING MACHINE SET-UP OPERATORS	2 642	2 277	365	13.8	2 858	2 736	122	4.3
LATHE AND TURNING MACHINE OPERATORS.	13 234	12 024	1 210	9.1	13 531	12 143	1 388	10.3
MILLING AND PLANING MACHINE OPERATORS.	3 335	3 078	257	7.7	811	811	0	.0
PUNCHING AND STAMPING PRESS MACHINE OPERATORS.	13 372	10 464	2 908	21.7	14 541	11 181	3 360	23.1
ROLLING MACHINE OPERATORS.	1 489	1 384	105	7.1	1 678	1 586	92	5.5
DRILLING AND BORING MACHINE OPERATORS.	6 588	5 025	1 563	23.7	9 883	7 969	1 914	19.4
GRINDING, ABRADING, BUFFING, AND POLISHING MACHINE OPERATORS	32 520	27 484	5 036	15.5	23 808	20 562	3 246	13.6

Detailed Occupation of the Experienced Civilian Labor Force by Sex: 1980 and 1970 - Con.

(DATA BASED ON SAMPLE; SEE TEXT, FOR DEFINITIONS OF TERMS AND MEANING OF SYMBOLS, SEE TEXT)

UNITED STATES REGIONS	1980				1970			
	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
WEST								
OPERATORS, FABRICATORS, AND LABORERS--CON.								
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS--CON.								
MACHINE OPERATORS AND TENDERS, EXCEPT PRECISION--CON.								
FORGING MACHINE OPERATORS.	1 640	1 524	116	7.1	1 661	1 621	40	2.4
NUMERICAL CONTROL MACHINE OPERATORS.	604	556	48	7.9	179	179	0	.0
MISCELLANEOUS METAL, PLASTIC, STONE, AND GLASS WORKING MACHINE OPERATORS.	2 237	1 880	357	16.0	2 631	1 959	672	25.5
FABRICATING MACHINE OPERATORS, N.E.C..	5 084	4 072	1 012	19.9	7 239	5 263	1 976	27.3
METAL AND PLASTIC PROCESSING MACHINE OPERATORS								
MOLDING AND CASTING MACHINE OPERATORS.	31 057	25 026	6 031	19.4	30 059	24 845	5 214	17.3
METAL PLATING MACHINE OPERATORS.	16 899	12 787	4 112	24.3	18 977	14 517	4 460	23.5
HEAT TREATING EQUIPMENT OPERATORS.	9 079	7 692	1 387	15.3	6 292	5 616	676	10.7
MISCELLANEOUS METAL AND PLASTIC PROCESSING MACHINE OPERATORS.	2 451	2 252	199	8.1	2 441	2 363	78	3.2
WOODWORKING MACHINE OPERATORS.	2 628	2 295	333	12.7	2 349	2 349	0	.0
WOOD LATHE, ROUTING, & PLANING MACH. OPERATORS								
SAWING MACHINE OPERATORS.	38 547	34 736	3 811	9.9	32 396	30 134	2 262	7.0
SHAPING AND JOINING MACHINE OPERATORS.	3 202	2 979	223	7.0	704	704	0	.0
NAILING AND TACKING MACHINE OPERATORS.	25 406	23 175	2 231	8.8	25 501	23 938	1 563	6.1
MISCELLANEOUS WOODWORKING MACHINE OPERATORS.	1 268	955	313	24.7	594	436	158	26.6
PRINTING MACHINE OPERATORS.	564	433	131	23.2	935	797	138	14.8
PRINTING MACHINE OPERATORS.	8 107	7 194	913	11.3	4 662	4 259	403	8.6
PHOTOENGRAVERS AND LITHOGRAPHERS								
TYPESETTERS AND COMPOSITORS.	74 546	52 830	21 716	29.1	55 052	47 155	7 897	14.3
MISCELLANEOUS PRINTING MACHINE OPERATORS.	50 854	41 582	9 272	18.2	33 850	29 907	3 943	11.6
TEXTILE, APPAREL, & FURNISHINGS MACH. OPERATORS.	4 400	3 442	958	21.8	4 786	3 969	817	17.1
WINDING AND TWISTING MACHINE OPERATORS.	12 757	4 988	7 769	60.9	12 502	10 221	2 281	18.2
KNITTING, LOOPING, TAPING, AND WEAVING MACHINE OPERATORS.	6 535	2 818	3 717	56.9	3 914	3 058	856	21.9
TEXTILE CUTTING MACHINE OPERATORS.	156 189	34 632	121 557	77.8	141 513	27 191	114 322	80.8
TEXTILE SEWING MACHINE OPERATORS.	1 111	324	787	70.8	765	159	606	79.2
SHOE MACHINE OPERATORS.	2 430	410	2 020	83.1	1 666	678	988	59.3
PRESSING MACHINE OPERATORS.	665	392	273	41.1	805	415	390	48.4
LAUNDERING AND DRY CLEANING MACHINE OPERATORS.	93 022	9 978	83 044	89.3	68 322	3 392	64 930	95.0
MISCELLANEOUS TEXTILE MACHINE OPERATORS.	1 775	939	836	47.1	5 078	1 184	3 894	76.7
MACHINE OPERATORS, ASSORTEO MATERIALS.	14 848	3 616	11 232	75.6	24 987	4 608	20 379	81.6
CEMENTING AND GLUING MACHINE OPERATORS.	36 275	14 979	21 296	58.7	33 330	12 649	20 681	62.0
PACKAGING AND FILLING MACHINE OPERATORS.	6 063	3 994	2 069	34.1	6 560	4 106	2 454	37.4
EXTRUDING AND FORMING MACHINE OPERATORS.	437 199	312 915	124 284	28.4	340 564	255 778	84 786	24.9
MIXING AND BLENDING MACHINE OPERATORS.	5 459	3 766	1 693	31.0	8 122	4 800	3 322	40.9
SEPARATING, FILTERING, AND CLARIFYING MACHINE OPERATORS.	26 525	11 766	14 759	55.6	29 379	15 148	14 231	48.4
COMPRESSING & COMPACTING MACHINE OPERATORS.	3 036	2 573	463	15.3	2 934	2 325	609	20.8
PAINTING AND PAINT SPRAYING MACH. OPERATORS.	13 176	11 374	1 802	13.7	14 220	13 254	966	6.8
ROASTING & BAKING MACH. OPERATORS, FOOD.	9 128	8 041	1 087	11.9	7 459	7 344	115	1.5
WASHING, CLEANING, & PICKLING MACHINE OPERATORS.	3 108	2 212	896	28.8	3 466	2 466	1 000	28.9
FOLDING MACHINE OPERATORS.	31 288	27 304	3 984	12.7	23 208	19 907	3 301	14.2
FURNACE, KILN, AND OVEN OPERATORS, EXC. FOOD								
CRUSHING AND GRINDING MACHINE OPERATORS.	1 015	855	160	15.8	1 204	1 204	0	.0
SLICING AND CUTTING MACHINE OPERATORS.	1 235	880	355	28.7	1 585	1 460	125	7.9
MOTION PICTURE PROJECTIONISTS.	3 194	1 758	1 436	45.0	3 836	1 834	2 002	52.2
PHOTOGRAPHIC PROCESS MACHINE OPERATORS.	20 223	18 989	1 234	6.1	20 867	19 528	1 339	6.4
MISC. AND NOT SPECIFIED MACHINE OPERATORS.	7 735	7 111	624	8.1	8 343	8 019	324	3.9
OCCUPATION:								
MISCELLANEOUS MACHINE OPERATORS, N.E.C..	29 443	21 755	7 688	26.1	24 156	18 819	5 337	22.1
MACHINE OPERATORS, NOT SPECIFIED.	3 187	2 877	310	9.7	3 757	3 644	113	3.0
INDUSTRY:								
MANUFACTURING.	22 853	11 507	11 346	49.6	16 321	8 116	8 205	50.3
NONMANUFACTURING INDUSTRIES.	256 594	180 147	76 447	29.8	171 707	127 910	43 797	25.5
FABRICATORS, ASSEMBLERS, AND HAND WORKING OCCUPATIONS.	97 368	67 195	30 173	31.0	125 323	95 600	29 723	23.7
WELDERS AND CUTTERS.	159 226	112 952	46 274	29.1	46 384	32 310	14 074	30.3
SOLDERERS AND BRAZERS.	206 872	142 976	63 896	30.9	146 899	109 209	37 690	25.7
ASSEMBLERS.	76 198	48 645	27 553	36.2	56 680	41 982	14 698	25.9
HAND CUTTING AND TRIMMING OCCUPATIONS.	130 674	94 331	36 343	27.8	90 219	67 227	22 992	25.5
HAND MOLDING, CASTING, AND FORMING OCCUPATIONS.	49 722	37 171	12 551	25.2	24 808	18 701	6 107	24.6
HAND PAINTING, COATING, & DECORATING OCCUPATIONS.	396 968	255 605	141 363	35.6	234 702	155 089	79 613	33.9
HAND ENGRAVING AND PRINTING OCCUPATIONS.	120 728	115 560	5 168	4.3	83 477	79 844	3 633	4.4
HAND GRINDING AND POLISHING OCCUPATIONS.	6 591	1 790	4 801	72.8	7 897	952	6 945	87.9
MISCELLANEOUS HAND WORKING OCCUPATIONS.	248 349	124 192	124 157	50.0	126 500	61 659	64 841	51.3
	2 806	1 792	1 014	36.1	2 750	2 011	739	26.9
	3 646	2 332	1 314	36.0	1 820	1 173	647	35.5
	8 378	6 532	1 846	22.0	9 948	8 554	1 394	14.0
	290	161	129	44.5	420	88	332	79.0
	511	334	177	34.6	108	108	0	.0
	5 669	2 912	2 757	48.6	1 782	700	1 082	60.7

Detailed Occupation of the Experienced Civilian Labor Force by Sex: 1980 and 1970-Con.

(DATA BASED ON SAMPLE; SEE TEXT. FOR DEFINITIONS OF TERMS AND MEANING OF SYMBOLS, SEE TEXT)

UNITED STATES REGIONS	1980				1970			
	TOTAL	MALE	FEMALE	PERCENT FEMALE	TOTAL	MALE	FEMALE	PERCENT FEMALE
WEST								
OPERATORS, FABRICATORS, AND LABORERS--CON.								
MACHINE OPERATORS, ASSEMBLERS, AND INSPECTORS--CON.								
PRODUCTION INSPS., TESTERS, SAMPLERS, AND WEIGHERS	139 239	63 431	75 808	54.4	101 610	47 764	53 846	53.0
PRODUCTION INSPECTORS, CHECKERS, AND EXAMINERS	86 238	41 303	44 935	52.1	63 739	36 801	26 938	42.3
PRODUCTION TESTERS	10 012	6 848	3 164	31.6	6 374	4 252	2 122	33.3
PRODUCTION SAMPLERS AND WEIGHERS	1 386	835	551	39.8	926	413	513	55.4
GRADERS AND SORTERS, EXC. AGRICULTURAL	41 603	14 445	27 158	65.3	30 571	6 298	24 273	79.4
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS.	853 066	783 429	69 637	8.2	634 989	609 351	25 638	4.0
MOTOR VEHICLE OPERATORS.	589 932	531 218	58 714	10.0	429 044	406 807	22 237	5.2
SUPERVISORS, MOTOR VEHICLE OPERATORS	6 124	5 578	546	8.9	3 302	2 936	366	11.1
TRUCK DRIVERS, HEAVY	330 131	320 523	9 608	2.9	238 985	235 221	3 764	1.6
TRUCK DRIVERS, LIGHT	110 273	99 100	11 173	10.1	70 821	66 629	4 192	5.9
DRIVER-SALES WORKERS	30 897	28 356	2 541	8.2	48 396	47 697	699	1.4
BUS DRIVERS	69 031	39 835	29 196	42.3	38 504	26 848	11 656	30.3
TAXICAB DRIVERS AND CHAUFFEURS	32 765	28 060	4 705	14.4	20 586	19 301	1 285	6.2
PARKING LOT ATTENDANTS	9 705	8 800	905	9.3	8 245	7 970	275	3.3
MOTOR TRANSPORTATION OCCUPATIONS, N.E.C.	1 006	966	40	4.0	205	205	0	.0
RAIL TRANSPORTATION OCCUPATIONS.	33 411	32 521	890	2.7	38 408	37 972	436	1.1
RAILROAD CONDUCTORS AND YARDMASTERS	6 659	6 459	200	3.0	8 310	8 243	67	.8
LOCOMOTIVE OPERATING OCCUPATIONS	10 893	10 567	326	3.0	12 553	12 403	150	1.2
RAILROAD BRAKE, SIGNAL, AND SWITCH OPERATORS	14 751	14 424	327	2.2	16 239	16 020	219	1.3
RAIL VEHICLE OPERATORS, N.E.C.	1 108	1 071	37	3.3	1 306	1 306	0	.0
WATER TRANSPORTATION OCCUPATIONS	13 228	12 793	435	3.3	12 549	12 390	159	1.3
SHIP CAPTAINS AND MATES, EXCEPT FISHING BOATS	5 307	5 156	151	2.8	5 147	5 091	56	1.1
SAILORS AND DECKHANDS	6 374	6 130	244	3.8	6 765	6 662	103	1.5
MARINE ENGINEERS	954	943	11	1.2	0	0	0	.0
BRIDGE, LOCK, AND LIGHTHOUSE TENDERS	593	564	29	4.9	637	637	0	.0
MATERIAL MOVING EQUIPMENT OPERATORS.	216 495	206 897	9 598	4.4	154 988	152 182	2 806	1.8
SUPERVISORS, MATERIAL MOVING EQUIPMENT OPERATORS	6 641	6 363	278	4.2	2 267	2 267	0	.0
OPERATING ENGINEERS	52 313	51 422	891	1.7	24 552	24 250	302	1.2
LONGSHORE EQUIPMENT OPERATORS	1 442	1 417	25	1.7	694	694	0	.0
HOIST AND WINCH OPERATORS	7 650	7 476	174	2.3	3 880	3 880	0	.0
CRANE AND TOWER OPERATORS	15 819	15 500	319	2.0	20 929	20 655	274	1.3
EXCAVATING AND LOADING MACHINE OPERATORS	16 876	16 453	423	2.5	14 140	14 140	0	.0
GRADER, DOZER, AND SCRAPER OPERATORS	10 065	9 859	206	2.0	21 917	21 524	393	1.8
INDUSTRIAL TRUCK & TRACTOR EQUIPMENT OPERATORS	78 628	75 046	3 582	4.6	51 471	50 665	806	1.6
MISC. MATERIAL MOVING EQUIPMENT OPERATORS	27 061	23 361	3 700	13.7	15 138	14 107	1 031	6.8
HANDLERS, EQUIPMENT CLEANERS, HELPERS, AND LABORERS.	891 783	723 642	168 141	18.9	720 460	612 264	108 196	15.0
SUPERVISORS, HANDLERS, EQUIPMENT CLEANERS, AND LABORERS, N.E.C.	805	753	52	6.5	341	341	0	.0
HELPERS, MECHANICS AND REPAIRERS	5 197	4 899	298	5.7	5 752	5 752	0	.0
HELPERS, CONSTRUCTION AND EXTRACTIVE OCCUPATIONS	24 117	22 626	1 491	6.2	19 223	19 185	38	.2
HELPERS, CONSTRUCTION TRADES	17 396	16 585	811	4.7	14 656	14 656	0	.0
HELPERS, SURVEYOR	2 112	1 887	225	10.7	2 486	2 448	38	1.5
HELPERS, EXTRACTIVE OCCUPATIONS	4 609	4 154	455	9.9	2 081	2 081	0	.0
CONSTRUCTION LABORERS	170 766	164 001	6 765	4.0	92 553	90 685	1 868	2.0
PRODUCTION HELPERS	17 896	14 769	3 127	17.5	21 477	16 138	5 339	24.9
FREIGHT, STOCK, AND MATERIAL HANDLERS.	243 736	199 012	44 724	18.3	200 884	184 446	16 438	8.2
GARBAGE COLLECTORS	9 877	9 633	244	2.5	9 558	9 384	174	1.8
STEVEDORES	5 603	5 482	121	2.2	12 649	12 486	163	1.3
STOCK HANDLERS AND BAGGERS	134 075	98 116	35 959	26.8	89 083	79 431	9 652	10.8
MACHINE FEEDERS AND OFFBEARERS	18 132	13 973	4 159	22.9	11 043	8 364	2 679	24.3
FREIGHT, STOCK, AND MATERIAL HANDLERS, N.E.C.	76 049	71 808	4 241	5.6	78 551	74 781	3 770	4.8
GARAGE AND SERVICE STATION RELATED OCCUPATIONS	67 606	62 049	5 557	8.2	103 346	100 394	2 952	2.9
VEHICLE WASHERS AND EQUIPMENT CLEANERS	27 624	24 211	3 413	12.4	24 976	22 945	2 031	8.1
HAND PACKERS AND PACKAGERS	92 870	30 677	62 193	67.0	80 079	24 909	55 170	68.9
LABORERS, EXCEPT CONSTRUCTION.	241 166	200 645	40 521	16.8	171 829	147 469	24 360	14.2
MANUFACTURING	81 137	64 102	17 035	21.0	58 390	48 028	10 362	17.7
NONDURABLE GOODS	33 917	24 754	9 163	27.0	26 096	18 734	7 362	28.2
DURABLE GOODS	47 220	39 348	7 872	16.7	32 294	29 294	3 000	9.3
TRANS., COMMUNICATIONS, & OTHER PUB. UTILITIES	31 118	28 796	2 322	7.5	23 395	22 298	1 097	4.7
WHOLESALE AND RETAIL TRADE	73 800	62 036	11 764	15.9	50 734	42 712	8 022	15.8
ALL OTHER INDUSTRIES	55 111	45 711	9 400	17.1	39 310	34 431	4 879	12.4
EXPERIENCED UNEMPLOYED NOT CLASSIFIED BY OCCUPATION.	55 923	23 706	32 217	57.6	26 061	14 102	11 959	45.9

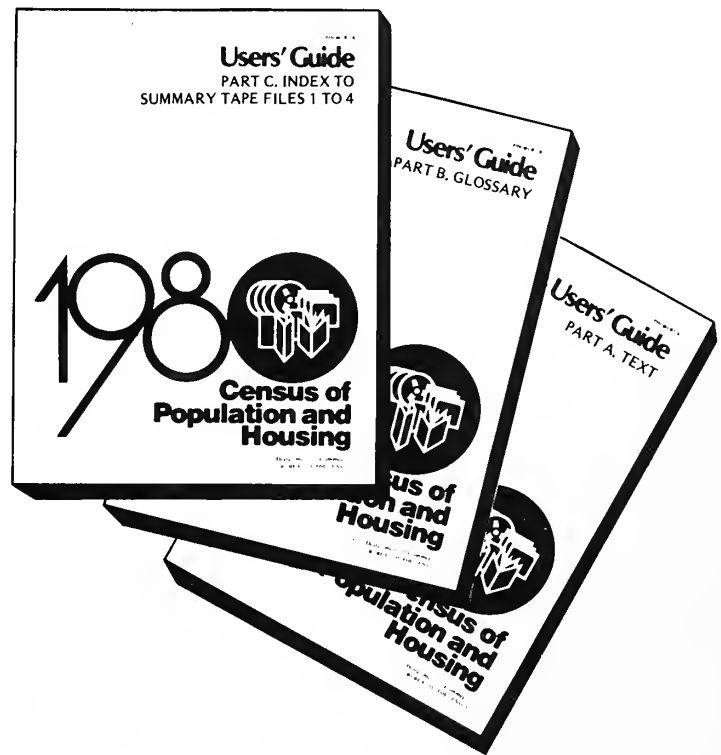
1980 Census of Population and Housing

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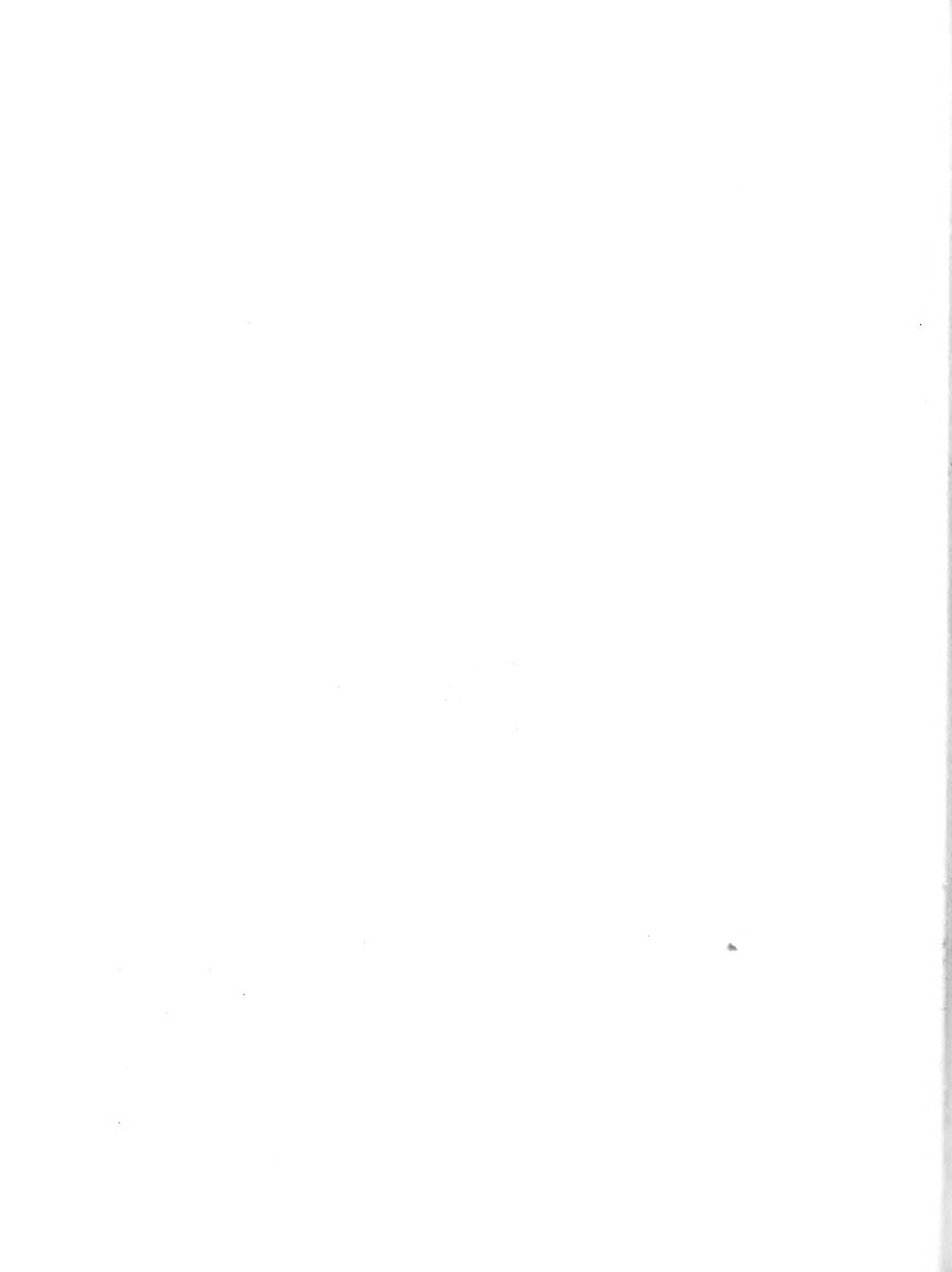
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