

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

MEN Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Total, 16 years and over	72,903	73,196	73,305	71,446	70,693	69,685	68,207	67,377	66,450	65,349
Managerial and professional specialty occupations	21,037	21,125	20,768	20,446	19,867	19,249	18,744	18,378	17,583	16,811
Executive, administrative, and managerial occupations	11,115	11,056	10,914	10,744	10,585	10,271	9,979	9,840	9,298	8,897
Chief execs. and general administrators, public admin.	23	25	28	23	19	21	14	23	20	18
Officials and administrators, public administration	341	355	313	321	325	306	333	310	322	318
Administrators, protective service	40	49	45	37	45	45	37	38	37	44
Financial managers	398	361	395	368	329	349	286	301	310	283
Personnel and labor relations managers	75	73	87	78	55	39	59	52	43	37
Purchasing managers	80	88	73	73	83	68	66	79	82	71
Managers, marketing, advertising, and public relations	453	469	473	462	475	465	408	426	371	339
Administrators, education and related fields	301	299	282	308	284	284	288	289	267	253
Managers, medicine and health	179	177	167	162	151	162	176	131	125	133
Postmasters and mail superintendents	25	27	23	22	25	23	20	22	19	23
Managers, food serving and lodging establishments (1992 forward)	800	795	784	803	815	777	748	726	684	687
Managers, properties and real estate	309	308	274	292	247	271	276	262	237	259
Funeral directors	44	45	48	40	34	35	49	48	43	41
Managers, service organizations, n.e.c. (1992 forward)	350	297	337	336	309	315	295	304	293	284
Managers and administrators, n.e.c.	5,531	5,542	5,419	5,360	5,374	5,164	5,033	4,831	4,469	4,143
Management-related occupations	2,167	2,145	2,166	2,060	2,015	1,948	1,892	1,998	1,977	1,963
Accountants and auditors	692	694	700	686	675	705	677	731	714	705
Underwriters and other financial officers (through 1989)	—	—	—	—	—	—	—	—	—	—
Underwriters (1990 forward)	33	25	29	41	34	31	30	33	29	34
Other financial officers (1990 forward)	440	427	411	391	344	320	338	351	369	356
Management analysts	315	291	265	245	258	226	194	216	187	164
Personnel, training, and labor relations specialists	157	199	211	170	153	151	143	140	139	144
Purchasing agents and buyers, farm products	9	10	10	12	13	10	10	10	14	10
Buyers, wholesale and retail trade, except farm products	102	96	109	88	116	109	86	101	105	116
Purchasing agents and buyers, n.e.c.	102	123	128	131	129	120	110	121	118	133
Business and promotion agents	19	18	21	16	23	20	13	9	10	15
Construction inspectors	69	59	66	62	66	50	64	65	59	61
Inspectors and compliance officers, except construction	157	139	154	168	152	144	161	159	164	158
Management-related occupations, n.e.c.	73	66	61	49	52	63	67	61	69	67
Professional specialty occupations	9,922	10,069	9,854	9,702	9,282	8,978	8,764	8,539	8,285	7,915
Engineers, architects, and surveyors	1,988	2,092	2,095	2,038	1,968	1,993	1,943	1,919	1,849	1,683
Architects	157	166	167	164	130	139	133	131	117	99
Engineers	1,809	1,904	1,911	1,860	1,824	1,841	1,793	1,771	1,711	1,565

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MEN Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Total, 16 years and over	64,440	64,223	65,104	64,315	63,273	62,107	60,892	59,891	59,091	56,787
Managerial and professional specialty occupations	16,387	16,623	16,601	16,652	16,139	15,457	15,029	14,802	14,529	13,933
Executive, administrative, and managerial occupations	8,612	8,858	8,872	8,944	8,626	8,263	7,990	7,870	7,683	7,282
Chief execs. and general administrators, public admin.	17	17	19	25	22	20	19	17	18	19
Officials and administrators, public administration	303	275	289	291	262	276	271	274	259	256
Administrators, protective service	39	42	44	46	46	38	31	32	34	46
Financial managers	277	265	274	271	289	260	252	253	224	219
Personnel and labor relations managers	42	53	55	61	66	60	58	61	59	60
Purchasing managers	75	73	74	81	75	72	71	75	67	63
Managers, marketing, advertising, and public relations	340	354	357	355	328	322	331	319	282	310
Administrators, education and related fields	260	241	250	272	287	266	261	249	246	243
Managers, medicine and health	125	70	58	61	63	62	48	43	37	39
Postmasters and mail superintendents	29	16	13	17	21	23	20	21	16	18
Managers, food serving and lodging establishments (1992 forward)	680	—	—	—	—	—	—	—	—	—
Managers, properties and real estate	237	241	238	255	239	223	202	202	193	175
Funeral directors	45	45	44	41	35	30	31	35	41	38
Managers, service organizations, n.e.c. (1992 forward)	243	—	—	—	—	—	—	—	—	—
Managers and administrators, n.e.c.	4,013	5,227	5,208	5,231	5,029	4,765	4,544	4,489	4,362	4,026
Management-related occupations	1,893	1,940	1,948	1,937	1,863	1,846	1,852	1,800	1,845	1,770
Accountants and auditors	666	701	710	728	670	681	693	705	729	678
Underwriters and other financial officers (through 1989)	—	—	—	391	365	369	345	323	308	317
Underwriters (1990 forward)	28	33	31	—	—	—	—	—	—	—
Other financial officers (1990 forward)	359	348	382	—	—	—	—	—	—	—
Management analysts	140	148	129	123	133	122	131	111	90	94
Personnel, training, and labor relations specialists	154	168	156	172	160	161	156	149	147	155
Purchasing agents and buyers, farm products	11	13	13	10	12	13	14	18	17	17
Buyers, wholesale and retail trade, except farm products	100	91	108	110	115	117	112	106	118	101
Purchasing agents and buyers, n.e.c.	122	125	146	141	137	120	139	128	136	134
Business and promotion agents	15	17	18	11	14	13	11	25	55	54
Construction inspectors	64	64	67	58	57	57	49	42	57	49
Inspectors and compliance officers, except construction	177	170	143	141	142	140	151	126	129	115
Management-related occupations, n.e.c.	58	61	45	53	57	53	51	66	60	55
Professional specialty occupations	7,775	7,765	7,729	7,708	7,513	7,194	7,039	6,932	6,846	6,651
Engineers, architects, and surveyors	1,736	1,824	1,861	1,834	1,818	1,756	1,787	1,707	1,645	1,606
Architects	116	105	116	125	122	118	119	115	95	90
Engineers	1,605	1,696	1,719	1,686	1,673	1,611	1,644	1,570	1,526	1,482

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

MEN Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Aerospace engineers	83	79	70	70	78	83	77	74	64	76
Metallurgical and materials engineers	19	23	30	28	33	29	24	23	33	25
Mining engineers	6	3	2	5	4	8	6	6	7	6
Petroleum engineers	17	16	19	20	23	22	20	22	26	18
Chemical engineers	65	67	76	69	58	76	81	71	52	52
Nuclear engineers	8	11	11	9	9	10	11	13	11	9
Civil engineers	238	265	264	259	261	229	226	214	221	199
Agricultural engineers	3	0	2	4	6	2	2	3	3	2
Electrical and electronic engineers	607	668	666	574	572	592	553	558	519	492
Industrial engineers	195	213	208	216	214	216	223	213	209	168
Mechanical engineers	281	320	324	316	311	331	326	315	324	280
Marine engineers and naval architects	10	9	8	21	17	14	13	14	13	12
Engineers, n.e.c.	278	230	231	269	239	230	233	242	229	226
Surveyors and mapping scientists	22	23	18	14	14	13	17	17	21	18
Mathematical and computer scientists	1,405	1,488	1,447	1,272	1,243	1,040	933	813	787	713
Computer systems analysts and scientists	1,258	1,335	1,294	1,107	1,075	883	786	658	629	542
Operations and systems researchers and analysts	122	124	124	129	123	120	119	132	130	142
Actuaries	9	12	15	17	17	15	10	12	9	10
Statisticians	13	12	9	12	22	17	13	7	15	15
Mathematical scientists, n.e.c.	3	5	4	7	6	5	5	4	4	5
Natural scientists	354	391	382	404	359	365	379	377	369	373
Physicists and astronomers	25	23	22	27	25	22	26	26	23	25
Chemists, except biochemists	91	115	109	99	89	108	106	95	91	95
Atmospheric and space scientists	10	10	9	8	6	6	6	5	10	11
Geologists and geodesists	39	36	42	53	55	49	40	51	49	47
Physical scientists, n.e.c.	29	33	38	42	27	31	41	33	27	31
Agricultural and food scientists	33	29	38	36	30	27	28	34	25	25
Biological and life scientists	66	70	64	61	64	59	71	75	76	68
Forestry and conservation scientists	24	21	16	22	18	23	22	23	35	26
Medical scientists	35	52	44	55	46	41	38	36	33	45
Health diagnosing occupations	832	795	776	813	798	769	715	773	731	721
Physicians	572	553	534	543	543	534	491	524	488	474
Dentists	145	136	139	145	125	114	119	134	129	135
Veterinarians	31	33	39	38	39	33	36	41	40	39
Optometrists	27	24	22	29	29	30	24	27	21	19
Podiatrists	10	9	7	8	12	9	9	9	9	11
Health diagnosing practitioners, n.e.c.	47	40	37	50	51	48	37	39	45	44

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MEN Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Aerospace engineers	82	93	102	108	108	97	87	91	77	75
Metallurgical and materials engineers	23	25	22	23	21	23	25	18	22	25
Mining engineers	6	7	6	4	6	6	8	9	6	7
Petroleum engineers	19	15	16	19	26	25	30	30	32	30
Chemical engineers	66	73	63	56	57	57	54	58	51	63
Nuclear engineers	7	10	10	10	13	16	9	12	16	17
Civil engineers	199	211	223	236	205	202	227	211	209	203
Agricultural engineers	2	3	4	3	2	2	3	4	6	5
Electrical and electronic engineers	486	517	536	522	528	506	512	498	456	423
Industrial engineers	175	173	179	176	192	191	181	159	174	186
Mechanical engineers	288	296	299	295	286	265	277	262	255	252
Marine engineers and naval architects	12	13	12	16	15	12	13	17	19	13
Engineers, n.e.c.	240	260	248	219	214	209	218	203	202	183
Surveyors and mapping scientists	15	22	26	24	22	28	25	22	24	35
Mathematical and computer scientists	624	587	554	548	488	451	402	394	347	326
Computer systems analysts and scientists	490	451	399	383	338	303	253	258	217	199
Operations and systems researchers and analysts	105	114	124	141	127	123	118	107	97	98
Actuaries	9	9	13	9	7	8	11	10	10	7
Statisticians	14	9	12	12	14	14	14	14	18	14
Mathematical scientists, n.e.c.	4	3	5	4	3	3	7	5	6	8
Natural scientists	336	325	298	302	300	295	298	298	287	284
Physicists and astronomers	24	24	26	26	26	25	28	25	28	27
Chemists, except biochemists	85	90	92	88	95	94	95	87	77	75
Atmospheric and space scientists	7	11	7	7	9	10	9	10	14	10
Geologists and geodesists	45	50	45	44	44	40	42	49	50	54
Physical scientists, n.e.c.	26	17	16	16	11	8	12	12	9	8
Agricultural and food scientists	25	20	18	15	17	24	24	16	16	25
Biological and life scientists	64	61	44	50	45	44	41	43	41	32
Forestry and conservation scientists	21	24	23	31	29	23	28	34	32	33
Medical scientists	40	29	28	25	23	26	19	22	20	20
Health diagnosing occupations	745	695	715	713	669	662	618	620	671	637
Physicians	488	461	466	450	433	414	403	407	437	437
Dentists	147	133	145	155	138	146	126	123	129	117
Veterinarians	33	39	44	34	34	35	30	30	34	31
Optometrists	18	20	20	22	24	28	26	26	30	20
Podiatrists	12	10	13	12	13	10	8	7	11	7
Health diagnosing practitioners, n.e.c.	49	32	27	40	27	29	25	27	29	25

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MEN Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Health assessment and treating occupations	446	437	432	431	428	391	403	393	375	356
Registered nurses	164	155	154	150	153	135	133	136	121	106
Pharmacists	112	115	114	110	101	108	106	109	112	115
Dietitians	7	13	10	15	13	11	10	6	7	7
Therapists	127	122	123	125	130	112	126	116	111	106
Respiratory (inhalation) therapists	40	35	29	35	40	34	40	37	41	39
Occupational therapists	9	5	5	9	12	12	9	5	6	8
Physical therapists	50	52	58	38	36	39	45	39	36	32
Speech therapists	7	9	7	7	8	5	7	7	2	7
Therapists, n.e.c.	21	22	24	35	33	21	27	28	22	20
Physicians' assistants	36	31	31	32	32	24	28	26	24	21
Teachers, postsecondary (college and university)	582	588	553	563	530	498	502	464	482	447
Earth, environmental, and marine science teachers	7	5	3	4	4	7	3	5	4	4
Biological science teachers	20	23	19	25	21	16	22	21	21	22
Chemistry teachers	13	15	13	12	10	12	11	13	15	19
Physics teachers	14	15	17	13	10	11	9	14	14	9
Natural science teachers, n.e.c.	0	2	3	3	2	3	3	3	1	1
Psychology teachers	10	11	17	18	12	14	15	11	7	10
Economics teachers	11	17	19	20	17	18	17	15	20	17
History teachers	11	12	12	12	15	10	14	7	13	10
Political science teachers	8	8	11	8	10	10	8	7	8	8
Sociology teachers	4	6	8	6	6	4	7	5	5	6
Social science teachers, n.e.c.	3	3	3	5	3	6	2	2	7	4
Engineering teachers	21	20	27	39	35	28	25	29	26	24
Mathematical science teachers	22	26	30	28	27	30	38	30	29	31
Computer science teachers	18	24	17	11	15	16	14	14	10	10
Medical science teachers	12	9	11	12	14	15	17	8	11	11
Health specialties teachers	6	5	10	13	15	8	10	10	6	8
Business, commerce, and marketing teachers	14	15	15	14	13	10	14	16	16	13
Agriculture and forestry teachers	5	4	6	2	6	4	1	2	3	3
Art, drama, and music teachers	25	25	20	21	24	23	23	15	16	16
Physical education teachers	1	4	4	3	4	3	6	5	2	3
Education teachers	3	5	3	5	5	5	5	4	4	4
English teachers	24	29	24	28	23	18	23	31	27	25
Foreign language teachers	11	11	12	11	4	9	11	11	4	8
Law teachers	4	8	6	5	3	4	3	3	8	4
Social work teachers	0	-	-	3	4	1	2	1	0	2

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MEN Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Health assessment and treating occupations	334	329	321	340	325	295	298	289	262	270
Registered nurses	104	89	92	92	84	78	85	71	57	57
Pharmacists	122	118	107	118	114	106	111	121	116	116
Dietitians	9	4	4	8	10	6	5	5	3	7
Therapists	79	76	77	77	81	68	66	61	58	59
Respiratory (inhalation) therapists	25	25	25	30	30	22	29	25	21	21
Occupational therapists	5	3	2	1	1	2	3	3	2	3
Physical therapists	25	23	23	20	22	19	16	17	16	13
Speech therapists	6	8	7	7	6	7	6	4	5	5
Therapists, n.e.c.	18	16	19	18	22	18	12	13	15	17
Physicians' assistants	20	42	41	46	36	37	30	31	27	32
Teachers, postsecondary (college and university)	438	460	480	435	431	415	409	417	393	386
Earth, environmental, and marine science teachers	4	2	3	4	6	7	5	4	5	4
Biological science teachers	25	21	15	12	20	21	20	20	20	20
Chemistry teachers	14	9	10	11	10	8	13	14	11	14
Physics teachers	10	15	15	11	11	15	11	12	8	7
Natural science teachers, n.e.c.	2	5	2	1	2	3	2	1	1	1
Psychology teachers	13	11	9	12	13	11	10	12	14	11
Economics teachers	15	17	15	13	16	17	11	11	18	20
History teachers	12	10	12	12	14	13	13	14	17	14
Political science teachers	7	9	9	10	10	7	6	8	5	7
Sociology teachers	7	6	6	5	6	6	8	6	7	6
Social science teachers, n.e.c.	2	4	3	3	2	4	2	3	3	5
Engineering teachers	27	26	27	25	27	19	24	18	32	27
Mathematical science teachers	28	32	36	38	36	26	34	36	29	32
Computer science teachers	10	14	13	16	18	10	11	10	9	9
Medical science teachers	9	11	11	9	5	11	10	11	8	11
Health specialties teachers	11	11	9	11	7	10	11	11	9	11
Business, commerce, and marketing teachers	11	17	24	20	20	16	17	14	20	18
Agriculture and forestry teachers	4	6	5	5	4	3	4	6	4	4
Art, drama, and music teachers	18	24	28	24	25	23	25	26	22	22
Physical education teachers	3	3	7	6	4	7	7	8	5	8
Education teachers	5	5	7	7	5	6	5	7	6	6
English teachers	22	27	30	22	21	25	19	23	21	20
Foreign language teachers	12	10	9	8	10	8	7	12	8	11
Law teachers	6	4	5	7	4	6	7	6	4	4
Social work teachers	1	1	1	0	1	1	0	0	0	1

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MEN Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Theology teachers	13	15	16	18	10	7	12	9	9	7
Trade and industrial teachers	2	2	0	–	2	3	4	1	3	1
Home economics teachers	–	–	–	–	0	0	0	1	–	0
Teachers, postsecondary, n.e.c.	4	1	3	4	1	2	3	7	5	3
Postsecondary teachers, subject not specified	296	266	226	221	215	202	178	164	189	164
Teachers, except postsecondary (college and university)	1,411	1,373	1,325	1,325	1,225	1,166	1,207	1,142	1,087	1,090
Teachers, prekindergarten and kindergarten	15	13	9	10	13	13	10	9	10	12
Teachers, elementary school	399	389	365	336	312	301	309	277	236	234
Teachers, secondary school	540	544	560	570	528	487	542	530	531	523
Teachers, special education	54	51	64	58	68	66	52	49	50	46
Teachers, n.e.c.	402	376	327	352	303	299	295	278	260	274
Counselors, educational and vocational	73	84	78	77	72	84	83	75	76	73
Librarians, archivists, and curators	49	35	41	45	45	50	41	36	40	37
Librarians	38	29	35	38	35	37	31	31	31	23
Archivists and curators	11	6	7	7	11	13	10	4	9	14
Social scientists and urban planners	184	195	187	191	195	199	189	207	204	171
Economists	55	65	66	69	74	65	67	74	56	61
Psychologists	94	106	95	93	88	104	94	106	116	86
Sociologists	0	2	1	1	3	2	3	2	2	3
Social scientists, n.e.c.	23	13	11	12	18	13	14	12	15	11
Urban planners	11	9	14	15	12	15	10	13	13	10
Social, recreation, and religious workers	665	627	656	626	597	614	616	619	587	542
Social workers	220	218	232	233	237	240	235	233	204	183
Recreation workers	33	32	36	43	33	37	27	28	31	23
Clergy	337	304	321	302	286	302	310	317	330	308
Religious workers, n.e.c.	74	72	67	48	41	35	44	41	22	28
Lawyers and judges	681	684	656	685	679	678	647	684	648	623
Lawyers	657	658	624	658	652	650	620	658	619	593
Judges	24	26	31	28	27	28	27	26	29	30
Writers, artists, entertainers, and athletes	1,253	1,281	1,226	1,231	1,143	1,132	1,107	1,038	1,050	1,085
Authors	63	51	63	66	58	63	53	54	52	59
Technical writers	26	32	25	28	31	30	37	25	30	30
Designers	336	350	319	316	291	273	257	236	245	257
Musicians and composers	102	113	106	111	110	98	115	101	111	117
Actors and directors	96	76	81	79	80	84	79	70	50	59
Painters, sculptors, craft artists, and artist printmakers	117	131	128	114	111	136	117	116	111	116
Photographers	119	96	101	108	96	93	100	99	106	100

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MEN Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Theology teachers	9	8	10	8	9	13	8	6	8	10
Trade and industrial teachers	3	1	2	2	3	2	2	3	2	5
Home economics teachers	0	0	0	0	0	0	0	0	1	0
Teachers, postsecondary, n.e.c.	6	3	4	5	3	2	3	3	3	3
Postsecondary teachers, subject not specified	143	148	154	129	118	117	114	110	94	75
Teachers, except postsecondary (college and university)	1,060	1,034	1,048	1,052	1,021	945	946	950	960	979
Teachers, prekindergarten and kindergarten	7	6	7	10	7	6	6	4	4	6
Teachers, elementary school	240	214	221	227	217	196	199	218	203	226
Teachers, secondary school	518	550	562	579	579	536	539	540	587	583
Teachers, special education	41	45	41	40	36	36	28	31	28	14
Teachers, n.e.c.	254	218	216	196	183	172	174	157	138	151
Counselors, educational and vocational	80	79	82	85	79	77	80	78	88	86
Librarians, archivists, and curators	34	40	40	35	38	40	36	33	37	33
Librarians	23	33	32	24	28	28	27	26	30	24
Archivists and curators	11	7	8	12	10	12	9	7	7	9
Social scientists and urban planners	178	180	176	192	180	162	169	164	148	139
Economists	70	64	64	72	75	67	68	67	66	61
Psychologists	83	91	87	96	87	77	78	75	62	58
Sociologists	2	0	1	2	1	2	1	1	1	1
Social scientists, n.e.c.	14	13	13	8	6	10	12	9	8	8
Urban planners	9	12	10	14	11	6	9	12	11	11
Social, recreation, and religious workers	530	550	536	534	567	523	484	475	471	472
Social workers	185	195	181	168	182	174	168	146	154	145
Recreation workers	26	26	30	26	33	25	24	25	17	18
Clergy	288	297	289	310	317	290	265	272	272	276
Religious workers, n.e.c.	30	33	36	30	34	34	27	33	28	33
Lawyers and judges	614	620	594	601	610	568	532	549	568	548
Lawyers	586	597	575	576	584	540	507	525	542	518
Judges	27	23	20	25	25	28	25	24	27	30
Writers, artists, entertainers, and athletes	1,068	1,045	1,024	1,036	989	1,004	980	957	970	884
Authors	56	42	34	34	36	42	35	36	36	33
Technical writers	25	31	34	34	31	28	28	31	30	31
Designers	245	246	248	259	238	255	243	237	215	186
Musicians and composers	134	108	111	116	106	116	111	106	116	112
Actors and directors	57	58	61	62	62	56	53	48	47	41
Painters, sculptors, craft artists, and artist printmakers	110	93	106	113	105	88	93	100	112	98
Photographers	95	105	89	78	81	87	87	93	98	89

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

MEN Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Dancers	5	6	5	5	4	4	2	2	5	3
Artists, performers, and related workers, n.e.c.	65	74	69	65	53	54	56	47	49	43
Editors and reporters	144	148	128	146	134	126	124	128	137	136
Public relations specialists	67	75	80	74	57	51	57	60	52	63
Announcers	44	44	48	39	49	52	51	37	36	39
Athletes	71	83	72	79	69	67	59	65	64	62
Technical, sales, and administrative support occupations	14,267	14,309	14,427	14,079	13,792	13,760	13,489	13,310	13,322	13,417
Technicians and related support occupations	2,068	2,137	2,135	2,094	1,976	2,028	1,865	1,900	1,856	2,000
Health technologists and technicians	347	342	340	320	319	336	312	334	292	293
Clinical laboratory technologists and technicians	90	79	87	73	77	94	100	106	78	77
Dental hygienists	2	3	2	1	1	2	2	1	-	1
Health record technologists and technicians	2	2	2	1	1	1	1	5	1	7
Radiologic technicians	46	50	51	43	52	45	41	40	40	44
Licensed practical nurses	19	22	24	18	15	24	18	18	19	23
Health technologists and technicians, n.e.c.	187	187	174	186	173	170	150	165	153	141
Engineering and related technologists and technicians	777	810	802	787	768	781	736	723	737	719
Electrical and electronic technicians	351	396	392	374	358	335	315	297	268	252
Industrial engineering technicians	6	5	4	1	3	5	4	3	3	3
Mechanical engineering technicians	17	17	16	14	20	18	16	13	15	12
Engineering technicians, n.e.c.	150	153	150	147	141	170	153	169	198	181
Drafting occupations	193	180	167	192	184	185	185	187	191	201
Surveying and mapping technicians	59	58	73	59	62	68	63	53	63	69
Science technicians	154	161	159	174	162	173	153	178	168	165
Biological technicians	53	47	44	38	34	45	34	48	42	35
Chemical technicians	42	51	56	56	59	65	57	66	58	55
Science technicians, n.e.c.	58	63	59	79	68	63	62	64	69	75
Technicians, except health, engineering, and science	790	823	833	813	728	737	664	665	659	824
Airplane pilots and navigators	124	134	124	139	109	118	113	110	101	97
Air traffic controllers	27	26	21	19	21	34	25	27	20	20
Broadcast equipment operators	37	42	30	27	31	24	24	28	21	21
Computer programmers	450	487	521	490	438	438	388	390	388	398
Tool programmers, numerical control	10	18	12	10	7	5	2	2	3	3
Legal assistants	71	67	60	65	67	56	52	57	53	53
Technicians, n.e.c.	71	51	63	63	55	62	59	51	72	232
Sales occupations	8,285	8,180	8,295	8,049	7,875	7,840	7,782	7,634	7,543	7,418
Supervisors and proprietors	2,916	2,884	2,982	2,891	2,829	2,855	2,812	2,739	2,776	2,551

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

MEN Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Dancers	2	2	3	2	2	5	3	5	3	1
Artists, performers, and related workers, n.e.c.	47	41	39	37	35	28	33	27	25	31
Editors and reporters	133	136	134	129	127	132	124	111	117	105
Public relations specialists	67	76	67	68	62	62	76	73	79	78
Announcers	45	48	43	44	43	52	44	38	43	31
Athletes	53	59	55	60	61	53	50	51	49	48
Technical, sales, and administrative support occupations	13,379	12,852	13,054	12,687	12,494	12,378	12,130	11,725	11,556	11,078
Technicians and related support occupations	2,185	1,937	1,973	1,887	1,833	1,721	1,783	1,719	1,646	1,582
Health technologists and technicians	283	240	218	225	213	179	179	185	185	174
Clinical laboratory technologists and technicians	69	78	71	79	65	55	67	72	69	61
Dental hygienists	1	0	1	1	2	2	0	0	1	1
Health record technologists and technicians	6	4	4	6	8	6	3	4	2	4
Radiologic technicians	38	36	29	30	32	37	37	32	36	29
Licensed practical nurses	24	23	16	16	17	12	10	12	15	13
Health technologists and technicians, n.e.c.	143	98	96	94	90	66	61	65	61	66
Engineering and related technologists and technicians	764	778	794	757	755	742	772	741	703	671
Electrical and electronic technicians	292	304	302	280	275	261	287	264	236	228
Industrial engineering technicians	3	4	3	2	4	2	4	5	7	6
Mechanical engineering technicians	12	15	20	10	10	8	10	12	12	14
Engineering technicians, n.e.c.	183	174	167	167	154	157	170	156	137	159
Drafting occupations	207	220	231	235	243	238	229	246	258	225
Surveying and mapping technicians	67	61	71	62	68	76	72	58	53	39
Science technicians	154	170	166	153	149	140	150	141	129	143
Biological technicians	39	40	41	37	31	34	36	30	30	32
Chemical technicians	56	66	61	58	59	55	60	65	52	60
Science technicians, n.e.c.	59	65	64	58	58	51	54	45	47	51
Technicians, except health, engineering, and science	984	750	795	752	716	660	683	652	629	593
Airplane pilots and navigators	94	97	108	105	86	77	78	75	73	68
Air traffic controllers	19	24	24	27	26	23	27	28	23	22
Broadcast equipment operators	23	24	23	18	13	16	17	18	19	23
Computer programmers	371	363	384	364	387	334	362	351	327	299
Tool programmers, numerical control	2	4	5	4	4	3	4	3	3	3
Legal assistants	57	38	49	51	48	40	40	36	36	33
Technicians, n.e.c.	417	201	202	183	153	167	155	139	147	146
Sales occupations	7,286	7,180	7,247	7,124	7,025	7,015	6,862	6,579	6,550	6,201
Supervisors and proprietors	2,528	2,459	2,486	2,496	2,434	2,436	2,427	2,282	2,265	2,119

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

MEN Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Sales representatives, finance and business services	1,626	1,615	1,640	1,534	1,504	1,464	1,445	1,388	1,417	1,370
Insurance sales occupations	337	311	338	328	346	340	372	353	390	387
Real estate sales occupations	377	384	362	360	352	390	374	354	365	342
Securities and financial services sales occupations	406	396	415	387	338	296	283	273	274	253
Advertising and related sales occupations	69	80	62	80	78	75	61	71	71	79
Sales occupations, other business services	437	444	462	380	389	364	355	337	317	309
Sales reps, commodities, except retail	1,170	1,156	1,154	1,118	1,173	1,132	1,169	1,206	1,133	1,209
Sales engineers (1992 forward)	35	29	30	35	37	31	44	35	28	23
Sales reps, mining, manufacturing, wholesale (1992 forward)	1,135	1,127	1,124	1,082	1,136	1,101	1,125	1,170	1,105	1,186
Sales workers, retail and personal services	2,542	2,494	2,486	2,476	2,344	2,364	2,336	2,277	2,186	2,252
Sales workers, motor vehicles and boats	318	298	296	285	274	281	276	289	265	259
Sales workers, apparel	87	84	96	92	88	87	88	76	85	100
Sales workers, shoes	46	43	50	59	37	41	38	51	35	43
Sales workers, furniture and home furnishings	89	95	92	87	77	89	94	93	80	95
Sales workers, radio, television, hi-fi, and appliances	225	213	187	220	208	177	182	171	171	149
Sales workers, hardware and building supplies	227	224	256	216	199	200	199	191	203	195
Sales workers, parts	140	145	171	156	148	154	140	147	152	146
Sales workers, other commodities	495	510	479	446	449	452	473	447	402	433
Sales counter clerks	73	69	59	73	66	71	65	72	72	72
Cashiers	687	696	664	693	659	651	626	567	554	579
Street and door-to-door sales workers	90	72	76	95	75	91	89	98	86	97
News vendors	65	45	61	55	63	70	66	76	80	82
Sales-related occupations	31	30	33	31	26	24	21	24	31	36
Demonstrators, promoters, and models, sales	21	16	19	19	15	13	14	12	11	16
Auctioneers	6	6	9	8	8	8	4	4	8	9
Sales support occupations, n.e.c.	4	8	6	4	3	4	3	7	12	11
Administrative support occupations, including clerical	3,914	3,991	3,997	3,936	3,941	3,892	3,842	3,776	3,923	3,999
Supervisors, administrative support occupations	283	247	286	287	279	275	267	285	304	325
Supervisors, general office	123	118	117	118	123	126	123	148	156	165
Supervisors, computer equipment operators	12	6	9	9	13	12	18	10	14	16
Supervisors, financial records processing	20	12	14	15	16	18	12	20	19	27
Chief communications operators	2	0	1	0	0	1	2	1	0	1
Supervisors, distribution, scheduling, and adjusting clerks	127	111	145	145	127	118	112	105	114	116
Computer equipment operators	163	155	169	153	170	162	159	194	216	234
Computer operators	160	151	168	150	168	160	158	192	215	231
Peripheral equipment operators	3	4	2	4	2	3	1	3	1	2

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

MEN Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Sales representatives, finance and business services	1,342	1,351	1,385	1,339	1,418	1,395	1,320	1,239	1,228	1,164
Insurance sales occupations	390	403	404	377	383	395	401	391	411	413
Real estate sales occupations	353	344	367	378	408	399	364	319	324	291
Securities and financial services sales occupations	225	220	229	214	231	240	214	201	181	162
Advertising and related sales occupations	83	65	75	71	88	75	69	72	68	65
Sales occupations, other business services	290	319	309	298	308	286	272	256	244	234
Sales reps, commodities, except retail	1,222	1,236	1,271	1,282	1,253	1,280	1,230	1,244	1,228	1,224
Sales engineers (1992 forward)	30	—	—	—	—	—	—	—	—	—
Sales reps, mining, manufacturing, wholesale (1992 forward)	1,190	—	—	—	—	—	—	—	—	—
Sales workers, retail and personal services	2,162	2,110	2,079	1,990	1,903	1,884	1,862	1,791	1,810	1,671
Sales workers, motor vehicles and boats	253	257	277	279	270	276	263	254	236	215
Sales workers, apparel	87	98	84	74	78	75	78	80	75	76
Sales workers, shoes	46	39	44	40	44	43	45	45	45	40
Sales workers, furniture and home furnishings	93	86	79	79	83	86	91	79	79	70
Sales workers, radio, television, hi-fi, and appliances	137	128	145	143	114	125	120	122	121	86
Sales workers, hardware and building supplies	187	184	163	156	156	161	147	153	161	146
Sales workers, parts	144	135	143	147	153	144	154	134	141	133
Sales workers, other commodities	427	429	423	430	405	408	354	352	374	373
Sales counter clerks	70	59	62	54	49	47	46	39	38	42
Cashiers	545	500	487	449	415	389	395	368	355	314
Street and door-to-door sales workers	90	116	102	78	66	64	85	78	85	72
News vendors	83	79	70	60	68	68	83	87	100	104
Sales-related occupations	32	24	26	17	17	19	23	23	19	22
Demonstrators, promoters, and models, sales	12	4	6	5	5	5	6	8	5	8
Auctioneers	11	13	9	6	6	9	7	6	5	6
Sales support occupations, n.e.c.	9	8	12	6	5	6	10	8	10	8
Administrative support occupations, including clerical	3,908	3,735	3,834	3,676	3,636	3,642	3,485	3,427	3,361	3,295
Supervisors, administrative support occupations	330	325	323	308	321	311	296	332	305	315
Supervisors, general office	169	148	161	152	148	148	140	151	132	131
Supervisors, computer equipment operators	15	20	26	20	28	26	25	29	28	27
Supervisors, financial records processing	23	32	23	24	27	21	25	26	28	35
Chief communications operators	1	1	1	1	1	1	1	2	1	1
Supervisors, distribution, scheduling, and adjusting clerks	122	124	113	110	117	114	105	124	116	121
Computer equipment operators	246	255	283	313	295	311	271	262	253	219
Computer operators	245	254	281	312	294	310	268	259	252	217
Peripheral equipment operators	2	2	2	1	1	1	3	3	2	2

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

MEN Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Secretaries, stenographers, and typists	73	69	68	73	85	79	85	91	83	77
Secretaries	31	35	30	39	45	43	45	49	39	42
Stenographers	7	8	8	9	6	5	9	4	5	6
Typists	35	26	30	25	33	31	31	38	39	29
Information clerks	227	251	252	251	217	231	212	224	204	192
Interviewers	30	32	45	27	31	29	22	32	29	30
Hotel clerks	39	31	32	30	26	35	26	24	33	27
Transportation ticket and reservation agents	65	85	81	74	62	70	82	92	71	68
Receptionists	31	36	34	50	45	36	30	33	33	26
Information clerks, n.e.c.	62	67	60	71	52	61	53	44	38	41
Records processing occupations, except financial	194	210	209	232	221	182	202	198	192	195
Classified-ad clerks	1	—	1	—	—	—	—	—	—	0
Correspondence clerks	0	1	3	0	4	0	3	1	0	2
Order clerks	72	80	71	74	61	60	58	65	50	47
Personnel clerks, except payroll and timekeeping	15	7	15	12	10	10	11	8	9	7
Library clerks	27	27	20	39	42	37	37	27	33	36
File clerks	53	62	67	72	68	45	69	63	59	61
Records clerks	26	32	32	36	36	30	24	34	40	41
Financial records processing occupations	181	189	190	200	175	172	202	172	195	233
Bookkeepers, accounting, and auditing clerks	117	118	137	146	122	133	143	127	148	167
Payroll and timekeeping clerks	15	12	15	17	15	11	16	15	13	20
Billing clerks	24	27	16	14	24	10	19	17	18	19
Cost and rate clerks	10	16	10	10	8	10	12	5	10	16
Billing, posting, and calculating machine operators	16	15	12	12	6	8	11	7	7	10
Duplicating, mail, and other office machine operators	26	28	26	28	36	31	27	30	34	34
Duplicating machine operators	16	16	16	18	23	14	15	21	16	16
Mail preparing and paper handling machine operators	4	4	3	1	4	5	2	2	5	8
Office machine operators, n.e.c.	6	8	8	9	9	13	10	7	13	10
Communications equipment operators	23	27	27	29	32	34	20	23	24	30
Telephone operators	17	23	25	23	23	29	16	21	18	27
Telegraphers (through 1991)	—	—	—	—	—	—	—	—	—	—
Communications equipment operators, n.e.c.	5	5	1	6	10	6	4	3	6	3
Mail and message distributing operators	547	566	584	572	611	606	626	606	600	601
Postal clerks, except mail carriers	138	149	141	154	168	176	165	164	173	165
Mail carriers, postal service	237	244	240	226	234	218	233	247	234	240
Mail clerks, except postal service	78	65	84	76	89	87	95	85	84	82
Messengers	94	108	120	116	119	125	134	109	109	114

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

MEN Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Secretaries, stenographers, and typists	71	70	79	79	90	93	88	114	113	85
Secretaries	37	37	39	34	37	39	42	66	67	37
Stenographers	6	3	10	9	10	8	5	9	8	9
Typists	28	30	31	36	44	46	42	38	38	39
Information clerks	191	163	184	151	170	138	136	125	139	131
Interviewers	34	27	39	29	23	20	26	26	25	22
Hotel clerks	29	29	28	23	36	25	22	19	21	20
Transportation ticket and reservation agents	65	48	49	37	47	41	36	35	39	35
Receptionists	25	26	27	23	25	19	21	16	20	19
Information clerks, n.e.c.	39	34	40	37	39	33	32	27	33	35
Records processing occupations, except financial	194	180	177	150	148	161	157	159	151	153
Classified-ad clerks	0	1	1	1	1	0	1	1	1	1
Correspondence clerks	2	3	2	4	2	2	2	3	4	4
Order clerks	54	50	46	39	45	44	48	42	39	41
Personnel clerks, except payroll and timekeeping	7	9	9	7	7	11	5	5	6	6
Library clerks	36	36	41	31	30	34	33	27	23	27
File clerks	57	59	50	50	45	49	48	55	52	47
Records clerks	37	21	27	17	18	21	21	26	27	27
Financial records processing occupations	222	220	207	214	216	225	227	242	245	260
Bookkeepers, accounting, and auditing clerks	174	165	152	160	156	152	164	173	177	178
Payroll and timekeeping clerks	16	16	18	17	17	27	19	23	27	34
Billing clerks	14	17	15	15	15	19	18	19	19	17
Cost and rate clerks	13	16	15	19	21	22	21	22	18	23
Billing, posting, and calculating machine operators	6	6	7	4	8	5	6	4	5	8
Duplicating, mail, and other office machine operators	35	29	28	24	26	24	30	20	22	25
Duplicating machine operators	19	14	13	11	10	9	12	9	9	11
Mail preparing and paper handling machine operators	8	5	4	4	5	5	4	3	4	3
Office machine operators, n.e.c.	8	10	11	9	11	10	14	8	9	11
Communications equipment operators	27	30	29	24	23	18	29	27	19	28
Telephone operators	22	24	23	20	21	17	27	24	16	23
Telegraphers (through 1991)	—	3	5	3	1	1	2	2	2	4
Communications equipment operators, n.e.c.	5	2	1	1	0	0	1	1	1	1
Mail and message distributing operators	571	580	632	605	596	627	592	532	548	547
Postal clerks, except mail carriers	137	145	164	176	164	176	169	151	165	157
Mail carriers, postal service	236	239	255	241	250	253	236	211	206	215
Mail clerks, except postal service	93	91	103	88	80	84	86	83	86	85
Messengers	106	104	110	99	102	114	102	87	91	90

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

MEN Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Material recording, scheduling, and distribution clerks	1,080	1,089	1,110	1,067	1,067	1,089	1,065	1,028	1,014	1,053
Dispatchers	116	108	131	130	119	114	123	113	110	105
Production coordinators	98	98	94	83	110	121	100	86	88	98
Traffic, shipping, and receiving clerks	430	468	447	429	430	443	429	431	408	401
Stock and inventory clerks	260	231	258	267	258	267	277	254	256	282
Meter readers	40	47	40	42	36	44	40	44	47	49
Weighers, measurers, checkers, and samplers (1992 forward)	26	22	31	31	24	23	25	33	35	37
Weighers, measurers, and checkers (through 1991)	—	—	—	—	—	—	—	—	—	—
Samplers (through 1991)	—	—	—	—	—	—	—	—	—	—
Expeditors	106	110	105	84	87	75	68	64	67	77
Material recording, scheduling, and distribution clerks, n.e.c.	4	4	3	2	3	3	3	2	3	4
Adjusters and investigators	506	501	451	442	459	436	410	355	361	360
Insurance adjusters, examiners, and investigators	139	134	119	135	133	119	128	96	93	106
Investigators and adjusters, except insurance	289	294	268	239	256	248	215	201	201	180
Eligibility clerks, social welfare	11	8	10	15	13	15	15	16	21	13
Bill and account collectors	67	66	54	53	58	54	52	42	46	60
Miscellaneous administrative support occupations	611	659	626	602	589	593	567	570	697	667
General office clerks	140	149	145	135	139	158	146	127	138	134
Bank tellers	60	59	44	52	44	44	42	44	42	54
Proofreaders	3	9	6	7	5	6	3	5	5	7
Data-entry keyers	109	127	124	139	129	120	108	111	102	113
Statistical clerks	14	12	12	15	20	10	9	15	14	11
Teachers' aides	68	63	66	62	44	43	49	58	56	41
Administrative support occupations, n.e.c.	216	241	229	190	208	212	209	210	340	307
Service occupations	7,701	7,426	7,383	7,093	7,222	7,122	6,967	6,774	6,840	6,867
Private household occupations	40	28	37	40	46	37	41	37	30	45
Launderers and ironers	0	—	—	—	—	0	0	0	0	0
Cooks, private household	3	3	2	2	2	1	0	1	1	1
Housekeepers and butlers	—	—	1	—	3	1	0	0	—	2
Child care workers, private household	5	8	7	8	10	8	8	10	8	10
Private household cleaners and servants	31	18	27	29	31	26	33	26	21	32
Protective service occupations	2,081	1,993	1,962	1,980	1,986	1,890	1,811	1,881	1,873	1,792
Supervisors, protective service occupations	205	184	172	157	194	159	165	172	193	170
Supervisors, firefighting and fire prevention	45	37	31	39	41	35	39	37	48	35
Supervisors, police and detectives	106	100	100	80	105	89	84	89	96	85
Supervisors, guards	54	47	41	38	49	35	42	46	49	49

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

MEN Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Material recording, scheduling, and distribution clerks	1,058	1,042	1,084	1,043	1,035	1,028	991	1,004	989	976
Dispatchers	95	106	101	92	93	107	92	98	92	85
Production coordinators	98	91	101	105	102	102	98	93	100	102
Traffic, shipping, and receiving clerks	383	395	409	398	378	338	346	365	334	326
Stock and inventory clerks	331	323	346	330	343	354	333	322	333	326
Meter readers	42	41	35	41	41	41	37	39	42	40
Weighers, measurers, checkers, and samplers (1992 forward)	35	—	—	—	—	—	—	—	—	—
Weighers, measurers, and checkers (through 1991)	—	33	42	41	39	37	39	38	36	42
Samplers (through 1991)	—	0	1	0	1	1	2	1	0	0
Expeditors	71	47	43	31	36	42	42	43	48	48
Material recording, scheduling, and distribution clerks, n.e.c.	4	5	6	5	4	6	4	4	3	7
Adjusters and investigators	326	287	284	280	237	242	228	204	201	203
Insurance adjusters, examiners, and investigators	89	81	98	91	80	74	83	75	74	70
Investigators and adjusters, except insurance	169	138	128	133	108	115	98	89	88	90
Eligibility clerks, social welfare	10	9	9	11	6	8	7	7	8	8
Bill and account collectors	58	58	50	45	44	45	40	33	32	36
Miscellaneous administrative support occupations	636	556	523	485	478	464	439	408	377	354
General office clerks	122	151	144	146	156	138	144	138	127	126
Bank tellers	50	49	47	45	43	44	40	34	41	43
Proofreaders	6	5	6	7	5	7	8	8	7	7
Data-entry keyers	89	75	64	51	43	46	30	33	31	20
Statistical clerks	13	19	25	17	23	25	23	24	23	23
Teachers' aides	41	36	28	22	18	19	22	24	24	22
Administrative support occupations, n.e.c.	316	221	209	197	190	184	172	146	124	113
Service occupations	6,676	6,610	6,470	6,164	6,056	5,924	5,775	5,695	5,545	5,530
Private household occupations	37	33	29	36	34	34	39	38	38	38
Launderers and ironers	0	0	0	0	0	0	0	0	0	0
Cooks, private household	0	3	2	1	2	1	3	2	1	1
Housekeepers and butlers	0	1	1	1	1	2	1	1	1	3
Child care workers, private household	11	12	7	10	10	12	10	12	10	13
Private household cleaners and servants	25	17	19	23	21	19	25	23	26	22
Protective service occupations	1,760	1,765	1,708	1,654	1,664	1,637	1,566	1,491	1,461	1,457
Supervisors, protective service occupations	156	165	157	155	161	151	155	126	127	121
Supervisors, firefighting and fire prevention	36	40	42	37	37	40	38	27	31	33
Supervisors, police and detectives	73	86	79	78	84	77	84	69	61	56
Supervisors, guards	47	39	36	39	40	34	33	30	35	32

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

MEN Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Firefighting and fire prevention occupations	251	251	239	235	243	225	226	242	206	201
Fire inspection and fire prevention	12	11	13	15	20	13	13	10	15	18
Firefighting occupations	239	241	226	219	223	212	213	232	191	182
Police and detectives	878	886	893	921	890	840	809	821	817	779
Police and detectives, public service	496	503	500	531	533	511	493	465	462	453
Sheriffs, bailiffs, and other law enforcement officers	130	133	126	149	134	111	106	127	109	94
Correctional institution officers	252	250	267	241	223	219	209	229	246	233
Guards	746	672	658	667	659	666	611	646	656	642
Crossing guards	9	15	13	12	13	15	7	8	10	11
Guards and police, except public service	690	612	605	605	610	604	567	592	603	593
Protective service occupations, n.e.c.	46	45	40	50	36	47	37	46	43	37
Service occupations, except protective and private household	5,580	5,405	5,384	5,074	5,190	5,195	5,115	4,857	4,938	5,030
Food preparation and service occupations	2,923	2,771	2,747	2,576	2,639	2,590	2,563	2,419	2,508	2,485
Supervisors, food preparation and service	161	174	138	149	136	124	120	119	131	110
Bartenders	153	169	178	163	147	133	145	134	145	151
Waiters and waitresses	359	321	339	323	300	305	304	318	309	297
Cooks (1992 forward)	1,351	1,246	1,220	1,163	1,262	1,237	1,192	1,110	1,173	1,164
Cooks, except short order (through 1991)	—	—	—	—	—	—	—	—	—	—
Short-order cooks (through 1991)	—	—	—	—	—	—	—	—	—	—
Food counter, fountain, and related occupations	136	126	114	128	105	99	102	81	105	119
Kitchen workers, food preparation	106	89	93	87	83	76	74	82	70	68
Waiters'/waitresses' assistants	331	303	334	272	261	276	278	258	227	222
Miscellaneous food preparation occupations	327	344	331	292	346	340	349	318	349	353
Health service occupations	305	297	272	273	285	289	284	272	262	287
Dental assistants	4	7	8	8	4	8	2	3	6	4
Health aides, except nursing	75	81	63	66	71	82	68	83	73	67
Nursing aides, orderlies, and attendants	226	209	201	198	210	199	214	186	183	216
Cleaning and building service occupations	1,717	1,721	1,754	1,647	1,728	1,764	1,737	1,623	1,616	1,745
Supervisors, cleaning and building service workers	125	124	105	100	100	111	109	110	95	89
Maids and housemen (except private household)	125	108	125	115	113	128	124	107	114	125
Janitors and cleaners	1,398	1,419	1,450	1,359	1,456	1,470	1,436	1,347	1,352	1,474
Elevator operators	5	5	5	5	4	6	5	5	8	9
Pest control occupations	63	66	68	68	55	50	63	54	47	49
Personal service occupations	635	616	611	578	537	552	531	542	552	513
Supervisors, personal service occupations	44	45	45	38	47	44	43	44	39	36
Barbers	70	67	81	65	54	61	64	73	76	68

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

MEN Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Firefighting and fire prevention occupations	198	215	215	199	212	216	213	206	184	187
Fire inspection and fire prevention	13	17	12	18	17	14	12	21	16	19
Firefighting occupations	185	198	202	182	195	202	201	185	167	168
Police and detectives	732	751	717	701	654	635	593	587	599	585
Police and detectives, public service	414	437	418	414	384	398	374	385	389	389
Sheriffs, bailiffs, and other law enforcement officers	86	95	100	97	92	89	77	79	72	76
Correctional institution officers	233	219	200	190	178	148	142	123	138	120
Guards	677	634	619	599	637	635	605	572	551	565
Crossing guards	14	10	8	8	12	11	10	12	7	9
Guards and police, except public service	625	583	576	554	584	591	562	526	519	524
Protective service occupations, n.e.c.	38	41	35	37	41	33	33	34	25	31
Service occupations, except protective and private household	4,879	4,812	4,732	4,474	4,358	4,253	4,170	4,166	4,046	4,035
Food preparation and service occupations	2,363	2,310	2,290	2,127	1,989	1,958	1,909	1,912	1,795	1,784
Supervisors, food preparation and service	114	95	116	108	103	100	87	94	86	87
Bartenders	132	136	138	159	163	164	165	169	174	174
Waiters and waitresses	294	263	283	266	237	206	210	218	189	166
Cooks (1992 forward)	1,067	—	—	—	—	—	—	—	—	—
Cooks, except short order (through 1991)	—	1,000	962	867	819	812	772	757	679	669
Short-order cooks (through 1991)	—	61	54	63	59	61	70	66	59	57
Food counter, fountain, and related occupations	91	100	93	97	70	80	73	68	76	78
Kitchen workers, food preparation	62	40	40	34	35	31	30	34	39	32
Waiters'/waitresses' assistants	243	252	236	211	204	202	202	209	204	223
Miscellaneous food preparation occupations	351	363	367	324	297	302	300	298	290	297
Health service occupations	242	255	209	204	212	191	185	178	169	188
Dental assistants	2	3	3	2	2	3	2	2	3	3
Health aides, except nursing	69	85	69	64	66	61	59	50	47	42
Nursing aides, orderlies, and attendants	170	167	137	138	143	127	124	125	119	143
Cleaning and building service occupations	1,792	1,774	1,779	1,718	1,718	1,683	1,674	1,684	1,708	1,674
Supervisors, cleaning and building service workers	110	106	92	95	99	106	97	95	78	76
Maids and housemen (except private household)	119	128	137	106	96	93	89	93	96	100
Janitors and cleaners	1,508	1,492	1,501	1,470	1,468	1,424	1,434	1,446	1,486	1,451
Elevator operators	7	6	9	8	9	7	13	13	11	13
Pest control occupations	45	42	40	38	46	52	42	37	36	34
Personal service occupations	483	473	455	425	440	421	403	392	374	390
Supervisors, personal service occupations	30	16	16	16	18	13	18	19	21	22
Barbers	68	84	75	67	77	74	77	77	81	80

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

MEN Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Hairdressers and cosmetologists	93	85	76	72	70	72	66	60	71	76
Attendants, amusement and recreation facilities	160	165	150	149	122	134	121	121	123	100
Guides	20	17	21	19	25	20	28	24	17	21
Ushers	16	16	22	22	26	18	16	27	21	20
Public transportation attendants	26	26	25	18	17	20	18	17	20	21
Baggage porters and bellhops	38	41	40	45	37	42	40	38	30	30
Welfare service aides	20	18	13	16	12	13	12	14	12	14
Child care workers, except private household (through 1991)	—	—	—	—	—	—	—	—	—	—
Family child care providers (1992 forward)	3	6	11	9	14	9	7	10	5	3
Early childhood teachers assistants (1992 forward)	33	26	23	24	18	19	18	17	15	15
Child care workers, n.e.c. (1992 forward)	26	23	31	24	25	22	20	20	26	26
Personal service occupations, n.e.c.	87	81	73	77	70	76	79	77	96	84
Precision production, craft, and repair occupations	13,459	13,823	13,735	13,286	13,208	12,868	12,368	12,323	12,241	12,279
Mechanics and repairers	4,545	4,633	4,671	4,633	4,592	4,494	4,335	4,248	4,219	4,286
Supervisors, mechanics and repairers	220	238	206	237	244	230	206	233	213	202
Mechanics and repairers, except supervisors	4,325	4,395	4,465	4,395	4,348	4,264	4,130	4,015	4,006	4,084
Vehicle and mobile equipment mechanics and repairers	1,808	1,794	1,779	1,740	1,827	1,873	1,812	1,697	1,713	1,801
Automobile mechanics	854	818	859	825	870	892	878	814	855	861
Bus, truck, and stationary engine mechanics	340	344	343	328	332	338	335	319	304	345
Aircraft engine mechanics	123	118	120	141	148	131	135	119	123	134
Small engine repairers	52	71	59	71	64	59	59	64	52	69
Automobile body and related repairers	207	223	188	166	186	212	205	179	184	194
Aircraft mechanics, except engine	13	23	21	21	19	22	13	21	13	14
Heavy equipment mechanics	179	156	162	158	170	177	155	154	148	152
Farm equipment mechanics	38	41	26	31	39	41	30	27	33	32
Industrial machinery repairers	446	446	507	555	550	524	524	552	543	535
Machinery maintenance occupations	18	19	20	15	14	16	18	18	22	24
Electrical and electronic equipment repairers	765	882	889	859	769	658	589	582	583	595
Electronic repairers, communications and industrial equip.	182	192	175	200	175	177	157	165	148	153
Data processing equipment repairers	235	262	290	267	228	165	153	126	133	137
Household appliance and power tool repairers	36	47	44	45	42	35	31	38	43	39
Telephone line installers and repairers	39	53	52	52	45	46	33	54	42	42
Telephone installers and repairers	201	257	259	216	204	171	151	137	159	165
Misc. electrical and electronic equipment repairers	71	72	69	79	77	64	64	61	57	59
Heating, air conditioning, and refrigeration mechanics	355	329	371	352	318	325	300	257	274	260
Miscellaneous mechanics and repairers	934	926	899	875	870	868	886	909	870	868

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

MEN Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Hairdressers and cosmetologists	70	74	76	79	81	79	80	71	67	70
Attendants, amusement and recreation facilities	83	93	90	69	77	73	69	75	65	78
Guides	19	14	23	20	16	20	14	16	15	14
Ushers	19	17	14	20	19	15	10	13	13	17
Public transportation attendants	16	15	17	15	16	12	16	14	10	16
Baggage porters and bellhops	36	39	36	31	32	34	29	19	17	18
Welfare service aides	11	6	7	10	5	10	7	6	5	6
Child care workers, except private household (through 1991)	—	39	27	32	34	33	27	28	32	20
Family child care providers (1992 forward)	5	—	—	—	—	—	—	—	—	—
Early childhood teachers assistants (1992 forward)	16	—	—	—	—	—	—	—	—	—
Child care workers, n.e.c. (1992 forward)	27	—	—	—	—	—	—	—	—	—
Personal service occupations, n.e.c.	83	75	72	67	63	58	56	54	47	48
Precision production, craft, and repair occupations	12,087	12,112	12,580	12,627	12,474	12,416	12,256	12,213	11,945	11,328
Mechanics and repairers	4,319	4,282	4,311	4,397	4,307	4,295	4,222	4,322	4,244	4,033
Supervisors, mechanics and repairers	212	230	231	265	237	236	227	244	234	234
Mechanics and repairers, except supervisors	4,105	4,052	4,080	4,133	4,070	4,060	3,995	4,078	4,010	3,799
Vehicle and mobile equipment mechanics and repairers	1,844	1,772	1,768	1,780	1,795	1,761	1,768	1,835	1,768	1,670
Automobile mechanics	899	868	866	874	873	867	862	900	859	795
Bus, truck, and stationary engine mechanics	333	301	314	319	323	328	335	346	344	298
Aircraft engine mechanics	139	129	107	119	126	113	96	86	86	92
Small engine repairers	54	69	67	65	70	70	70	75	68	63
Automobile body and related repairers	205	192	202	190	192	182	193	210	201	198
Aircraft mechanics, except engine	19	17	16	14	22	14	13	14	7	14
Heavy equipment mechanics	158	162	154	160	158	156	163	162	163	161
Farm equipment mechanics	37	34	40	40	31	33	35	43	40	49
Industrial machinery repairers	543	505	481	523	532	531	527	518	534	517
Machinery maintenance occupations	22	24	21	23	26	36	35	34	29	28
Electrical and electronic equipment repairers	608	645	654	628	622	627	646	644	646	624
Electronic repairers, communications and industrial equip.	148	162	170	154	157	162	157	150	154	149
Data processing equipment repairers	132	130	141	139	127	117	118	107	97	89
Household appliance and power tool repairers	49	52	50	48	45	45	43	49	52	45
Telephone line installers and repairers	56	60	58	51	55	52	60	67	60	56
Telephone installers and repairers	155	171	171	173	178	190	198	200	216	222
Misc. electrical and electronic equipment repairers	68	71	64	63	61	61	70	71	66	62
Heating, air conditioning, and refrigeration mechanics	240	252	267	278	261	263	260	249	238	199
Miscellaneous mechanics and repairers	849	853	891	901	834	842	759	799	795	761

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

MEN Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Camera, watch, and musical instrument repairers	29	33	28	27	36	34	29	34	31	38
Locksmiths and safe repairers	20	25	34	34	28	25	26	30	30	23
Office machine repairers	45	44	48	44	60	57	54	55	58	57
Mechanical controls and valve repairers	15	12	15	15	16	19	14	16	14	18
Elevator installers and repairers	28	33	32	24	20	21	29	23	19	26
Millwrights	65	68	76	70	82	84	88	81	77	84
Specified mechanics and repairers, n.e.c.	432	406	403	374	389	377	408	436	452	429
Not specified mechanics and repairers	299	304	263	287	239	249	239	234	190	194
Construction trades	6,151	6,238	6,065	5,654	5,485	5,251	4,981	4,978	4,900	4,952
Supervisors, construction occupations	940	973	951	798	745	678	650	704	694	718
Supervisors, brickmasons, stonemasons, and tile setters	5	8	7	2	7	7	5	7	7	9
Supervisors, carpenters and related workers	17	20	24	30	18	19	27	18	21	19
Supervisors, electricians and power transmission installers	43	48	56	44	46	33	35	40	41	44
Supervisors, painters, paperhangers, and plasterers	20	16	22	20	17	9	10	14	10	8
Supervisors, plumbers, pipefitters, and steamfitters	17	9	20	16	12	18	18	14	14	14
Construction supervisors, n.e.c.	840	872	822	686	645	593	555	610	600	623
Construction trades, except supervisors	5,210	5,265	5,114	4,855	4,740	4,572	4,331	4,274	4,206	4,234
Brickmasons and stonemasons	235	245	246	194	193	183	162	178	188	188
Tile setters, hard and soft	102	93	96	93	63	71	59	51	54	55
Carpet installers	135	122	126	127	133	119	102	118	111	94
Carpenters	1,535	1,500	1,466	1,381	1,329	1,314	1,203	1,245	1,252	1,274
Drywall installers	183	199	208	180	177	156	166	136	151	137
Electricians	840	864	840	815	791	760	746	722	645	658
Electrical power installers and repairers	122	135	131	132	140	112	126	122	114	109
Painters, construction and maintenance	622	621	604	564	563	509	464	475	509	530
Paperhangers	14	15	16	23	24	20	22	25	19	16
Plasterers	49	65	52	48	47	46	35	38	38	40
Plumbers, pipefitters, and steamfitters	540	558	539	530	526	540	543	495	505	434
Concrete and terrazzo finishers	103	124	101	103	83	90	80	76	75	78
Glaziers	47	32	35	45	52	42	37	35	35	33
Insulation workers	54	57	56	54	51	58	54	60	61	56
Paving, surfacing, and tamping equipment operators	13	18	13	15	15	7	9	5	8	12
Roofers	229	219	219	210	239	198	194	204	180	227
Sheet metal duct installers	43	31	33	47	43	40	36	31	31	27
Structural metalworkers	66	76	78	71	62	66	60	58	48	45
Drillers, earth	14	21	23	22	20	15	17	15	18	19

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

MEN Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Camera, watch, and musical instrument repairers	34	29	31	29	27	26	28	33	37	42
Locksmiths and safe repairers	18	21	19	24	22	20	15	24	22	19
Office machine repairers	58	61	72	61	57	62	58	60	57	64
Mechanical controls and valve repairers	20	22	22	19	21	21	20	25	25	28
Elevator installers and repairers	19	24	27	21	19	22	21	22	20	25
Millwrights	88	74	91	97	94	94	91	85	88	93
Specified mechanics and repairers, n.e.c.	409	418	410	445	426	421	381	394	401	334
Not specified mechanics and repairers	204	204	219	206	168	176	145	155	144	157
Construction trades	4,739	4,764	5,103	5,034	4,991	4,915	4,826	4,650	4,494	4,210
Supervisors, construction occupations	643	602	644	650	603	620	605	594	553	498
Supervisors, brickmasons, stonemasons, and tile setters	6	7	10	8	8	6	6	6	8	8
Supervisors, carpenters and related workers	21	23	21	21	27	25	26	27	19	23
Supervisors, electricians and power transmission installers	42	34	39	42	45	38	38	44	48	36
Supervisors, painters, paperhangers, and plasterers	13	12	12	14	9	13	15	20	14	13
Supervisors, plumbers, pipefitters, and steamfitters	16	10	12	14	15	15	16	14	15	17
Construction supervisors, n.e.c.	546	516	550	551	500	524	506	484	448	401
Construction trades, except supervisors	4,096	4,162	4,459	4,384	4,388	4,295	4,220	4,056	3,941	3,712
Brickmasons and stonemasons	181	168	196	217	201	191	176	173	177	155
Tile setters, hard and soft	59	59	68	57	52	48	50	47	38	43
Carpet installers	101	98	109	107	106	100	103	91	98	86
Carpenters	1,231	1,270	1,357	1,353	1,406	1,371	1,309	1,244	1,263	1,144
Drywall installers	118	126	158	152	146	146	154	138	109	94
Electricians	654	669	689	689	691	642	626	626	618	592
Electrical power installers and repairers	103	113	119	103	101	110	107	106	110	105
Painters, construction and maintenance	520	515	530	510	494	495	490	465	441	450
Paperhangers	19	19	17	23	23	25	24	15	18	22
Plasterers	37	29	39	44	33	40	30	33	32	31
Plumbers, pipefitters, and steamfitters	424	438	453	453	492	487	470	449	454	438
Concrete and terrazzo finishers	60	69	72	77	85	75	86	85	73	64
Glaziers	37	35	44	39	35	41	47	44	30	37
Insulation workers	58	49	56	61	51	52	59	57	54	54
Paving, surfacing, and tamping equipment operators	13	12	17	15	15	11	10	7	8	7
Roofers	192	198	215	177	154	170	185	174	176	133
Sheet metal duct installers	34	38	42	36	34	37	43	38	30	25
Structural metalworkers	44	53	61	63	48	58	68	68	56	63
Drillers, earth	20	14	17	13	16	17	16	17	12	14

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

MEN Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Construction trades, n.e.c.	264	272	230	202	190	227	217	185	164	201
Extractive occupations	112	132	126	129	123	144	127	132	140	146
Supervisors, extractive occupations	30	41	43	35	36	39	39	45	39	48
Drillers, oil well	24	32	24	24	23	35	22	24	26	27
Explosives workers	6	8	6	9	6	3	5	6	10	7
Mining machine operators	28	31	33	35	32	35	36	35	39	37
Mining occupations, n.e.c.	24	19	20	25	26	31	26	22	26	27
Precision production occupations	2,651	2,820	2,874	2,870	3,009	2,980	2,925	2,965	2,983	2,894
Supervisors, production occupations	845	891	918	934	998	1,013	1,004	1,025	1,018	1,023
Precision metalworking occupations	770	810	809	858	885	843	830	841	845	774
Tool and die makers	97	110	119	136	137	129	130	138	139	130
Precision assemblers, metal	22	24	21	20	21	18	15	14	17	19
Machinists	445	476	462	486	504	488	462	479	471	425
Boilermakers	22	27	25	25	23	24	30	30	27	21
Precision grinders, fitters, and tool sharpeners	11	10	17	15	16	11	14	17	11	14
Patternmakers and model makers, metal	5	7	5	8	8	8	5	5	6	9
Lay-out workers	7	3	5	7	9	9	10	14	9	11
Precious stones and metals workers (jewelers)	36	33	27	26	36	38	36	29	43	40
Engravers, metal	4	9	9	7	10	7	11	9	6	6
Sheet metal workers	121	109	118	127	122	111	117	105	116	99
Miscellaneous precision metal workers	—	1	0	0	—	0	0	1	0	2
Precision woodworking occupations	92	112	114	100	117	109	108	111	118	113
Patternmakers and model makers, wood	0	4	2	1	3	5	7	5	4	3
Cabinet makers and bench carpenters	69	82	88	81	84	77	74	75	83	78
Furniture and wood finishers	21	26	20	16	29	26	26	29	29	32
Miscellaneous precision woodworkers	1	0	3	2	2	1	1	2	2	0
Precision textile, apparel, and furnishings machine workers	89	86	91	98	116	99	102	104	97	99
Dressmakers	11	6	6	7	8	7	9	2	3	6
Tailors	17	17	19	25	33	24	28	30	25	21
Upholsterers	46	51	52	53	55	48	47	56	46	53
Shoe repairers	11	10	10	9	14	13	12	12	13	14
Apparel and fabric patternmakers (through 1991)	—	—	—	—	—	—	—	—	—	—
Miscellaneous precision apparel and fabric workers	4	3	4	4	6	6	5	5	9	4
Precision workers, assorted materials	206	247	271	255	244	241	235	235	244	224
Hand molders and shapers, except jewelers	19	22	18	21	15	16	13	13	13	13
Patternmakers, lay-out workers, and cutters	6	9	11	13	12	10	5	11	9	14

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

MEN Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Construction trades, n.e.c.	193	189	200	194	204	179	170	178	145	155
Extractive occupations	130	140	146	134	141	156	167	192	195	192
Supervisors, extractive occupations	46	40	37	38	42	42	49	52	53	55
Drillers, oil well	22	32	32	26	28	34	41	49	60	59
Explosives workers	6	6	9	5	8	8	6	8	9	7
Mining machine operators	31	31	40	36	36	34	33	41	37	36
Mining occupations, n.e.c.	24	31	29	29	27	37	39	42	36	35
Precision production occupations	2,898	2,925	3,220	3,062	3,035	3,050	3,040	3,050	3,012	2,894
Supervisors, production occupations	1,015	1,018	1,096	1,154	1,151	1,121	1,118	1,127	1,108	1,039
Precision metalworking occupations	770	855	852	852	839	835	870	856	863	843
Tool and die makers	127	141	148	145	142	141	152	140	132	146
Precision assemblers, metal	16	15	11	9	6	6	8	7	8	4
Machinists	437	478	472	459	473	466	470	483	488	452
Boilermakers	25	33	29	28	27	21	28	28	31	33
Precision grinders, fitters, and tool sharpeners	18	16	20	20	19	22	20	20	23	20
Patternmakers and model makers, metal	7	4	4	5	6	4	5	4	6	7
Lay-out workers	9	9	8	8	7	10	14	11	14	15
Precious stones and metals workers (jewelers)	29	34	30	35	32	33	33	27	29	34
Engravers, metal	5	8	12	12	9	11	8	12	9	8
Sheet metal workers	96	116	116	132	118	119	128	121	119	122
Miscellaneous precision metal workers	1	1	2	1	1	2	3	1	1	1
Precision woodworking occupations	98	81	84	82	94	90	86	93	89	72
Patternmakers and model makers, wood	1	3	2	5	4	4	5	7	9	5
Cabinet makers and bench carpenters	69	52	54	53	64	55	57	57	49	40
Furniture and wood finishers	26	25	27	23	24	29	23	28	30	26
Miscellaneous precision woodworkers	1	1	1	1	2	1	1	1	1	1
Precision textile, apparel, and furnishings machine workers	109	97	100	116	124	133	116	115	111	107
Dressmakers	8	8	4	7	7	9	6	5	7	4
Tailors	27	27	29	35	28	35	26	25	25	26
Upholsterers	57	46	50	54	65	64	59	65	54	50
Shoe repairers	15	13	12	17	20	21	19	16	23	25
Apparel and fabric patternmakers (through 1991)	—	1	0	1	1	1	0	1	0	0
Miscellaneous precision apparel and fabric workers	3	3	4	2	2	4	5	3	2	2
Precision workers, assorted materials	234	230	247	256	229	238	228	228	228	195
Hand molders and shapers, except jewelers	8	14	23	21	17	16	13	13	13	13
Patternmakers, lay-out workers, and cutters	16	16	16	17	17	17	15	18	16	19

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

MEN Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Optical goods workers	23	38	33	29	35	34	34	31	34	30
Dental laboratory and medical appliance technicians	37	24	30	34	42	43	27	38	38	35
Bookbinders	15	14	22	22	9	12	24	17	15	15
Electrical and electronic equipment assemblers	87	121	131	117	110	108	121	113	118	105
Miscellaneous precision workers, n.e.c.	19	19	26	20	21	19	12	13	17	13
Precision food production occupations	273	288	305	288	284	300	281	285	302	307
Butchers and meat cutters	182	192	202	196	186	208	188	187	205	220
Bakers	73	81	89	81	84	82	80	79	80	68
Food batchmakers	19	14	14	11	15	10	12	19	17	19
Precision inspectors, testers, and related workers	118	130	113	99	110	112	113	108	99	101
Inspectors, testers, and graders	114	125	104	93	105	105	106	99	95	95
Adjusters and calibrators	5	5	9	6	5	7	7	9	5	6
Plant and system operators	257	257	253	238	252	262	253	257	259	254
Water and sewage treatment plant operators	73	65	65	55	53	66	61	67	66	52
Power plant operators	39	35	34	31	32	37	30	33	39	45
Stationary engineers	111	113	112	113	128	124	126	122	119	120
Miscellaneous plant and system operators	34	44	42	40	39	36	35	35	35	37
Operators, fabricators, and laborers	13,675	13,861	14,222	13,793	13,769	13,858	13,750	13,675	13,535	13,109
Machine operators, assemblers, and inspectors	4,198	4,407	4,709	4,637	4,882	4,962	4,902	4,958	4,800	4,642
Machine operators and tenders, except precision	2,658	2,769	2,943	2,945	3,083	3,161	3,122	3,147	3,082	2,976
Metalworking and plastic working machine operators	237	260	287	312	338	312	333	322	364	325
Lathe and turning machine set-up operators	8	16	11	16	21	20	22	18	18	14
Lathe and turning machine operators	21	12	23	35	42	36	42	34	43	43
Milling and planing machine operators	5	4	5	5	5	6	7	8	8	9
Punching and stamping press machine operators	51	70	71	77	74	72	73	83	94	73
Rolling machine operators	6	15	13	10	9	8	7	14	15	8
Drilling and boring machine operators	8	12	15	11	13	13	14	8	16	18
Grinding, abrading, buffing, and polishing machine operators	72	82	83	95	115	104	106	103	117	111
Forging machine operators	9	12	10	13	14	13	18	15	14	12
Numerical control machine operators	35	23	23	20	18	14	16	11	9	7
Misc. metal, plastic, stone, and glass working machine operators	17	24	26	11	17	12	14	17	14	30
Fabricating machine operators, n.e.c.	10	18	17	19	10	14	15	16	17	16
Metal and plastic processing machine operators	109	98	116	113	129	134	130	132	123	118
Molding and casting machine operators	65	50	56	72	78	85	82	78	63	67
Metal plating machine operators	19	14	23	22	20	22	18	23	28	23
Heat treating equipment operators	8	9	11	8	14	14	15	14	18	13

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

MEN Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Optical goods workers	33	28	27	31	23	23	25	26	29	33
Dental laboratory and medical appliance technicians	30	37	40	37	33	40	33	32	35	29
Bookbinders	17	21	19	18	21	14	17	13	16	14
Electrical and electronic equipment assemblers	114	92	102	103	92	101	102	95	96	63
Miscellaneous precision workers, n.e.c.	17	22	21	28	26	27	23	31	23	23
Precision food production occupations	318	308	292	271	282	304	307	310	297	304
Butchers and meat cutters	227	224	209	195	203	218	224	231	220	233
Bakers	75	70	67	63	66	70	67	61	61	58
Food batchmakers	16	13	15	13	14	16	16	18	17	13
Precision inspectors, testers, and related workers	100	98	91	94	90	86	91	100	93	97
Inspectors, testers, and graders	96	92	85	86	84	80	86	96	85	91
Adjusters and calibrators	4	6	6	8	7	7	5	4	8	6
Plant and system operators	253	239	257	236	225	242	225	221	223	239
Water and sewage treatment plant operators	53	55	60	52	48	51	41	49	39	36
Power plant operators	39	42	42	44	39	44	39	38	49	50
Stationary engineers	116	102	112	105	100	104	107	101	105	117
Miscellaneous plant and system operators	45	39	44	35	39	43	37	32	31	36
Operators, fabricators, and laborers	12,954	13,075	13,494	13,327	13,234	12,978	12,805	12,539	12,479	11,809
Machine operators, assemblers, and inspectors	4,623	4,693	4,931	4,878	4,806	4,699	4,725	4,681	4,702	4,484
Machine operators and tenders, except precision	2,967	3,045	3,185	3,136	3,118	3,017	3,064	3,015	3,025	2,980
Metalworking and plastic working machine operators	331	356	363	384	386	378	396	387	416	416
Lathe and turning machine set-up operators	19	23	21	23	18	19	17	27	28	27
Lathe and turning machine operators	36	54	53	50	60	54	61	61	70	70
Milling and planing machine operators	7	7	12	12	12	9	12	13	13	14
Punching and stamping press machine operators	88	70	80	84	86	98	93	83	94	76
Rolling machine operators	10	11	11	14	14	10	12	9	13	18
Drilling and boring machine operators	23	20	17	21	21	23	25	24	26	27
Grinding, abrading, buffing, and polishing machine operators	105	112	108	121	124	124	127	121	123	130
Forging machine operators	12	15	19	18	15	12	15	15	19	16
Numerical control machine operators	7	8	4	3	2	1	3	2	3	2
Misc. metal, plastic, stone, and glass working machine operators	25	37	38	38	33	28	30	32	28	36
Fabricating machine operators, n.e.c.	11	17	15	15	17	18	17	13	17	17
Metal and plastic processing machine operators	122	124	136	121	127	121	127	121	115	133
Molding and casting machine operators	76	74	72	69	71	66	66	66	61	70
Metal plating machine operators	20	20	34	26	28	29	30	33	28	34
Heat treating equipment operators	10	15	17	17	18	19	22	14	15	17

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

MEN Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Misc. metal and plastic processing machine operators	17	24	26	11	17	12	14	17	14	16
Woodworking machine operators	99	94	117	120	125	107	110	111	115	120
Wood lathe, routing, and planing machine operators	5	6	9	10	8	11	3	6	6	7
Sawing machine operators	64	50	69	72	79	70	69	74	79	77
Shaping and joining machine operators	4	4	7	5	4	3	5	6	5	3
Nailing and tacking machine operators	1	0	1	3	1	1	3	1	1	3
Miscellaneous woodworking machine operators	24	33	31	31	33	23	31	24	26	30
Printing machine operators	264	272	285	269	289	303	318	322	328	300
Printing press operators	225	238	243	229	240	261	275	256	262	238
Photoengravers and lithographers	14	13	15	17	23	19	15	28	30	28
Typesetters and compositors	7	8	10	8	9	11	13	13	14	18
Miscellaneous printing machine operators	18	14	16	14	18	12	15	25	21	17
Textile, apparel, and furnishings machine operators	245	255	278	254	266	302	277	301	291	314
Winding and twisting machine operators	14	14	11	12	15	16	19	23	16	12
Knitting, looping, taping, and weaving machine operators	16	8	9	11	12	13	15	14	15	11
Textile cutting machine operators	3	4	3	4	1	7	4	5	2	3
Textile sewing machine operators	80	102	99	93	91	109	99	87	86	96
Shoe machine operators	2	3	2	4	8	8	4	8	7	4
Pressing machine operators	25	20	31	17	17	30	24	44	47	58
Laundering and dry cleaning machine operators	83	83	95	83	94	78	82	82	84	93
Miscellaneous textile machine operators	22	22	28	30	27	41	29	37	33	37
Machine operators, assorted materials	1,693	1,772	1,843	1,859	1,925	1,988	1,938	1,943	1,845	1,783
Cementing and gluing machine operators	12	14	15	10	24	17	19	17	14	14
Packaging and filling machine operators	118	117	142	140	159	160	155	171	161	149
Extruding and forming machine operators	27	26	31	29	28	28	28	36	27	24
Mixing and blending machine operators	100	88	104	112	113	106	99	93	109	103
Separating, filtering, and clarifying machine operators	60	49	60	45	49	61	55	50	58	48
Compressing and compacting machine operators	11	17	16	14	19	14	22	17	19	16
Painting and paint spraying machine operators	133	161	168	177	183	191	178	161	164	182
Roasting and baking machine operators, food	2	5	4	8	6	6	7	4	4	6
Washing, cleaning, and pickling machine operators	6	8	8	7	3	11	9	8	4	6
Folding machine operators	8	8	7	6	10	13	10	9	9	9
Furnace, kiln, and oven operators, except food	46	53	50	67	80	71	60	62	65	77
Crushing and grinding machine operators	28	35	27	26	28	35	30	48	37	33
Slicing and cutting machine operators	105	106	109	112	139	132	131	151	143	144
Motion picture projectionists	9	6	6	6	9	7	6	4	5	6
Photographic process machine operators	35	34	39	48	42	42	32	39	37	40

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

MEN Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Misc. metal and plastic processing machine operators	16	14	13	9	10	7	9	8	11	12
Woodworking machine operators	117	125	149	142	137	130	122	127	128	128
Wood lathe, routing, and planing machine operators	7	8	10	10	8	9	8	10	11	10
Sawing machine operators	70	79	98	86	91	89	79	87	86	88
Shaping and joining machine operators	6	4	5	7	6	4	3	1	5	5
Nailing and tacking machine operators	4	1	6	6	3	4	3	2	5	4
Miscellaneous woodworking machine operators	31	32	31	33	28	25	29	28	22	20
Printing machine operators	346	344	343	344	372	348	331	318	327	342
Printing press operators	276	274	268	274	292	274	261	245	250	264
Photoengravers and lithographers	29	31	33	32	42	36	32	33	36	33
Typesetters and compositors	18	21	21	20	18	22	22	21	24	27
Miscellaneous printing machine operators	23	17	21	17	20	16	17	19	17	17
Textile, apparel, and furnishings machine operators	297	297	296	294	298	280	268	271	262	253
Winding and twisting machine operators	21	23	23	23	18	22	20	18	21	24
Knitting, looping, taping, and weaving machine operators	10	15	19	19	16	15	16	14	14	10
Textile cutting machine operators	4	4	3	3	2	5	4	4	3	2
Textile sewing machine operators	93	78	84	72	74	68	70	70	54	49
Shoe machine operators	7	8	6	9	10	9	10	15	15	21
Pressing machine operators	43	48	44	40	50	49	38	45	45	47
Laundering and dry cleaning machine operators	82	78	71	81	84	70	66	66	66	58
Miscellaneous textile machine operators	37	43	47	47	44	41	44	41	43	41
Machine operators, assorted materials	1,739	1,782	1,884	1,835	1,782	1,741	1,804	1,777	1,759	1,691
Cementing and gluing machine operators	14	14	15	16	16	13	19	15	15	21
Packaging and filling machine operators	144	173	186	169	151	154	160	153	168	146
Extruding and forming machine operators	27	27	24	27	24	24	28	32	27	28
Mixing and blending machine operators	98	88	102	101	91	87	87	114	99	105
Separating, filtering, and clarifying machine operators	53	55	55	56	54	48	54	46	63	59
Compressing and compacting machine operators	22	17	17	17	19	16	17	15	16	20
Painting and paint spraying machine operators	163	170	171	159	172	162	157	175	161	160
Roasting and baking machine operators, food	4	6	5	4	4	4	6	5	4	4
Washing, cleaning, and pickling machine operators	11	9	9	10	9	5	8	14	5	9
Folding machine operators	7	8	9	10	6	7	5	7	8	9
Furnace, kiln, and oven operators, except food	67	90	99	92	96	87	104	102	105	105
Crushing and grinding machine operators	32	30	34	40	36	37	42	37	42	36
Slicing and cutting machine operators	137	136	151	162	153	159	174	149	131	150
Motion picture projectionists	10	7	4	4	6	6	9	11	8	9
Photographic process machine operators	43	45	46	40	44	46	43	44	42	44

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

MEN Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Miscellaneous machine operators, n.e.c.	721	769	793	789	765	835	830	786	754	704
Machine operators, not specified	270	277	264	263	270	261	269	285	234	222
Fabricators, assemblers, and hand working occupations	1,209	1,284	1,396	1,322	1,398	1,389	1,400	1,444	1,365	1,290
Welders and cutters	485	516	568	539	557	555	574	577	552	527
Solderers and brazers	3	9	12	9	4	11	12	6	10	10
Assemblers	641	673	734	691	750	741	723	768	709	650
Hand cutting and trimming occupations	6	10	8	7	7	6	10	6	6	8
Hand molding, casting, and forming occupations	15	14	15	12	20	14	21	25	13	17
Hand painting, coating, and decorating occupations	16	11	22	18	22	15	12	18	30	20
Hand engraving and printing occupations	5	7	6	7	7	8	10	9	8	10
Hand grinding and polishing occupations (through 1991)	—	—	—	—	—	—	—	—	—	—
Miscellaneous hand working occupations	38	44	31	39	30	38	38	35	37	48
Production inspectors, testers, samplers, and weighers	331	354	370	370	401	413	380	367	352	376
Production inspectors, checkers, and examiners	233	244	264	260	263	296	263	254	241	259
Production testers	43	45	46	42	44	47	40	40	38	37
Production samplers and weighers	3	1	3	2	4	0	5	4	3	5
Graders and sorters, except agricultural	52	64	57	65	89	69	73	70	70	76
Transportation and material moving occupations	5,211	5,142	5,069	4,968	4,818	4,872	4,799	4,682	4,654	4,570
Motor vehicle operators	3,940	3,901	3,787	3,718	3,601	3,629	3,575	3,474	3,454	3,437
Supervisors, motor vehicle operators	72	67	63	67	66	78	70	72	80	69
Truck drivers (1992 forward)	3,076	3,044	2,980	2,965	2,854	2,900	2,859	2,731	2,689	2,677
Truck drivers, heavy (through 1991)	—	—	—	—	—	—	—	—	—	—
Truck drivers, light (through 1991)	—	—	—	—	—	—	—	—	—	—
Driver-sales workers	137	155	149	143	144	133	144	148	147	163
Bus drivers	312	295	277	240	234	246	272	281	271	275
Taxicab drivers and chauffeurs	291	279	257	235	244	227	182	191	216	209
Parking lot attendants	45	54	51	59	55	42	43	43	44	38
Motor transportation occupations, n.e.c.	8	7	10	10	3	2	4	8	3	7
Transportation occupations, except motor vehicle	161	170	177	159	160	169	181	165	173	162
Rail transportation occupations	107	113	122	105	99	119	113	102	106	103
Railroad conductors and yardmasters	45	40	45	45	49	47	44	33	37	37
Locomotive operating occupations	52	63	62	43	39	51	48	48	46	42
Railroad brake, signal, and switch operators	7	7	11	9	7	14	15	17	19	21
Rail vehicle operators, n.e.c.	3	2	4	7	4	6	7	3	4	4
Water transportation occupations	55	57	55	54	61	50	68	64	66	59
Ship captains and mates, except fishing boats	29	32	38	29	22	24	31	32	29	26

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

MEN Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Miscellaneous machine operators, n.e.c.	661	670	697	690	677	671	645	633	644	591
Machine operators, not specified	243	239	259	239	224	216	245	225	219	197
Fabricators, assemblers, and hand working occupations	1,293	1,275	1,338	1,337	1,278	1,260	1,249	1,269	1,241	1,138
Welders and cutters	553	531	575	571	528	531	542	559	543	515
Solderers and brazers	10	11	13	12	19	8	9	14	10	9
Assemblers	628	638	652	657	636	620	613	610	591	511
Hand cutting and trimming occupations	8	8	7	10	12	9	11	12	9	13
Hand molding, casting, and forming occupations	22	18	18	19	18	13	13	14	13	16
Hand painting, coating, and decorating occupations	18	20	21	24	29	28	24	23	32	32
Hand engraving and printing occupations	11	14	13	10	8	9	10	10	14	5
Hand grinding and polishing occupations (through 1991)	—	2	3	2	2	3	1	1	2	3
Miscellaneous hand working occupations	42	34	35	30	26	38	27	27	27	33
Production inspectors, testers, samplers, and weighers	364	373	408	406	411	422	411	398	436	367
Production inspectors, checkers, and examiners	266	284	321	320	323	329	323	307	340	281
Production testers	36	40	35	38	42	44	40	38	44	36
Production samplers and weighers	4	4	4	4	4	6	6	8	8	7
Graders and sorters, except agricultural	58	44	48	43	42	43	43	44	43	43
Transportation and material moving occupations	4,482	4,476	4,449	4,436	4,397	4,317	4,158	4,160	4,098	3,875
Motor vehicle operators	3,354	3,316	3,229	3,199	3,206	3,136	3,013	2,965	2,906	2,705
Supervisors, motor vehicle operators	74	65	62	67	55	57	51	42	25	25
Truck drivers (1992 forward)	2,588	—	—	—	—	—	—	—	—	—
Truck drivers, heavy (through 1991)	—	1,932	1,832	1,815	1,784	1,781	1,767	1,800	1,827	1,734
Truck drivers, light (through 1991)	—	643	692	698	711	656	581	515	450	392
Driver-sales workers	168	195	182	180	186	211	199	199	204	185
Bus drivers	278	251	215	199	232	220	206	200	222	199
Taxicab drivers and chauffeurs	195	175	193	191	191	173	163	163	141	133
Parking lot attendants	42	49	47	41	39	32	44	43	36	36
Motor transportation occupations, n.e.c.	5	6	5	9	8	7	3	2	2	2
Transportation occupations, except motor vehicle	155	172	166	172	191	191	198	204	202	207
Rail transportation occupations	104	113	114	126	134	134	140	145	152	151
Railroad conductors and yardmasters	36	36	35	37	40	43	37	36	34	31
Locomotive operating occupations	43	44	45	47	50	52	58	58	62	62
Railroad brake, signal, and switch operators	20	27	27	32	38	33	40	45	49	49
Rail vehicle operators, n.e.c.	5	6	7	9	6	6	5	7	7	9
Water transportation occupations	52	60	52	46	57	57	58	59	50	56
Ship captains and mates, except fishing boats	24	31	27	27	32	31	30	32	27	35

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

MEN Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Sailors and deckhands	19	20	13	16	30	20	24	26	26	23
Marine engineers	4	4	2	5	3	1	8	3	6	3
Bridge, lock, and lighthouse tenders	3	1	2	4	7	4	5	3	5	8
Material moving equipment operators	1,109	1,071	1,105	1,092	1,057	1,074	1,043	1,042	1,027	971
Supervisors, material moving equipment operators	9	11	10	14	15	10	10	13	13	12
Operating engineers	262	245	252	232	239	233	239	240	233	192
Longshore equipment operators	5	4	5	6	1	3	3	5	6	3
Hoist and winch operators	20	16	13	18	14	23	18	19	18	17
Crane and tower operators	71	66	70	71	63	83	79	62	65	84
Excavating and loading machine operators	105	97	95	102	103	100	92	93	95	111
Grader, dozer, and scraper operators	50	57	49	70	73	67	58	73	85	83
Industrial truck and tractor equipment operators	523	517	539	506	486	488	481	465	449	407
Miscellaneous material moving equipment operators	65	58	72	73	62	67	63	72	64	63
Handlers, equipment cleaners, helpers, and laborers	4,265	4,311	4,444	4,188	4,069	4,025	4,049	4,035	4,081	3,897
Supervisors, handlers, equipment cleaners, and laborers	10	11	12	10	19	13	7	13	10	13
Helpers, mechanics and repairers	21	27	30	22	27	30	35	28	32	34
Helpers, construction and extractive occupations	115	116	117	105	122	117	109	111	109	118
Helpers, construction trades	107	106	110	95	118	111	101	106	103	109
Helpers, surveyor	4	9	6	8	4	5	6	3	4	8
Helpers, extractive occupations	5	2	1	2	0	1	2	2	2	2
Construction laborers	1,046	1,020	1,008	882	784	773	778	754	714	653
Production helpers	41	44	58	48	40	49	35	48	53	40
Freight, stock, and material handlers	1,454	1,538	1,579	1,560	1,516	1,458	1,485	1,499	1,616	1,514
Garbage collectors	44	53	53	50	43	42	43	45	48	54
Stevedores	14	14	14	21	25	23	17	13	14	14
Stock handlers and baggers	731	784	793	809	832	769	788	760	841	797
Machine feeders and offbearers	30	53	57	53	47	40	36	40	53	49
Freight, stock, and material handlers, n.e.c.	634	635	662	627	570	584	602	640	660	601
Garage and service station related occupations	156	163	171	188	172	179	159	169	174	190
Vehicle washers and equipment cleaners	273	271	277	243	268	248	258	242	243	233
Hand packers and packagers	158	127	141	121	105	116	119	109	116	139
Laborers, except construction	991	994	1,050	1,009	1,015	1,041	1,065	1,062	1,014	963
Farming, forestry, and fishing occupations	2,765	2,652	2,771	2,749	2,835	2,828	2,889	2,916	2,928	2,864
Farm operators and managers	882	848	849	855	913	1,012	1,010	1,079	1,084	991
Farmers (through 1993)	—	—	—	—	—	—	—	—	—	872

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

MEN Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Sailors and deckhands	16	18	18	14	18	16	18	18	16	18
Marine engineers	5	4	2	1	2	3	2	1	1	0
Bridge, lock, and lighthouse tenders	7	7	5	4	4	6	8	8	6	4
Material moving equipment operators	971	988	1,055	1,065	1,000	990	946	991	990	962
Supervisors, material moving equipment operators	12	14	18	12	13	13	16	13	8	13
Operating engineers	191	210	222	217	208	182	158	155	143	145
Longshore equipment operators	2	2	1	2	1	1	2	2	1	2
Hoist and winch operators	18	23	19	17	20	23	30	30	25	30
Crane and tower operators	75	79	91	98	86	79	84	91	94	92
Excavating and loading machine operators	115	96	107	127	107	115	101	112	89	97
Grader, dozer, and scraper operators	88	85	100	97	92	91	103	101	116	112
Industrial truck and tractor equipment operators	402	413	428	426	406	407	367	386	377	349
Miscellaneous material moving equipment operators	69	66	69	69	67	79	85	102	138	124
Handlers, equipment cleaners, helpers, and laborers	3,850	3,906	4,114	4,013	4,031	3,962	3,923	3,697	3,679	3,450
Supervisors, handlers, equipment cleaners, and laborers	13	12	12	12	11	13	11	9	10	7
Helpers, mechanics and repairers	32	34	29	34	33	30	35	31	30	34
Helpers, construction and extractive occupations	120	125	135	127	150	161	169	159	180	162
Helpers, construction trades	111	116	125	118	135	148	153	143	165	148
Helpers, surveyor	7	4	7	7	11	10	13	13	10	9
Helpers, extractive occupations	2	5	3	2	3	2	3	3	5	4
Construction laborers	654	696	773	732	771	742	722	665	650	583
Production helpers	44	58	69	60	49	56	56	61	59	57
Freight, stock, and material handlers	1,460	1,428	1,433	1,442	1,448	1,410	1,442	1,338	1,316	1,260
Garbage collectors	48	43	50	48	42	59	61	61	46	62
Stevedores	17	18	18	19	23	15	22	19	21	27
Stock handlers and baggers	719	724	715	691	688	673	694	638	680	646
Machine feeders and offbearers	58	54	56	62	73	61	61	63	58	60
Freight, stock, and material handlers, n.e.c.	615	590	594	622	623	602	605	558	510	465
Garage and service station related occupations	192	202	215	217	231	239	270	264	244	280
Vehicle washers and equipment cleaners	221	201	217	246	218	181	182	190	178	149
Hand packers and packagers	124	109	121	117	103	108	109	106	93	94
Laborers, except construction	987	1,041	1,111	1,025	1,016	1,022	928	874	919	825
Farming, forestry, and fishing occupations	2,957	2,951	2,907	2,857	2,875	2,954	2,896	2,917	3,037	3,108
Farm operators and managers	1,027	1,026	1,020	1,074	1,093	1,121	1,149	1,170	1,262	1,275
Farmers (through 1993)	914	918	896	947	979	997	1,037	1,067	1,179	1,203

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

MEN Occupation	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993
Farmers, except horticultural (1994 forward)	669	633	647	661	701	805	842	891	932	—
Horticultural specialty farmers (1994 forward)	66	63	62	58	63	51	45	46	55	—
Farm managers (through 1993)	—	—	—	—	—	—	—	—	—	119
Farm managers, except horticultural (1994 forward)	131	131	117	116	138	143	110	136	89	—
Managers, horticultural specialty farms (1994 forward)	16	21	23	20	12	12	13	6	9	—
Other agricultural and related occupations	1,762	1,680	1,776	1,748	1,786	1,667	1,730	1,659	1,673	1,689
Farm occupations, except managerial	612	598	709	674	741	693	723	701	679	723
Supervisors, farm workers	29	34	41	39	33	34	36	35	42	32
Farm workers	565	554	648	616	692	644	681	652	623	669
Marine life cultivation workers	0	0	1	2	2	1	0	0	2	1
Nursery workers	17	10	19	18	15	14	6	13	12	20
Related agricultural occupations	1,149	1,081	1,067	1,074	1,045	973	1,006	958	994	966
Supervisors, related agricultural occupations	174	171	160	149	128	116	120	118	116	70
Groundskeepers and gardeners, except farm	897	840	835	878	857	797	822	779	813	841
Animal caretakers, except farm	54	46	44	29	40	39	40	41	47	37
Graders and sorters, agricultural products	22	22	23	16	17	18	24	19	16	16
Inspectors, agricultural products	3	3	6	2	2	3	0	1	1	2
Forestry and logging occupations	79	83	100	100	85	103	104	124	123	126
Supervisors, forestry and logging occupations	16	15	18	18	14	12	14	11	17	15
Forestry workers, except logging	10	16	19	17	13	13	15	16	21	19
Timber cutting and logging occupations	53	52	63	65	58	77	75	96	84	92
Fishers, hunters, and trappers	42	41	46	47	51	47	45	53	48	58
Captains and other officers, fishing vessels	7	7	6	6	12	6	10	10	8	8
Fishers	34	34	38	39	37	38	34	42	40	49
Hunters and trappers	1	0	2	2	2	2	1	2	1	2

NOTE: Dashes indicate data are not available.

Data for 2000-2002 were revised to incorporate population controls from Census 2000.

n.e.c. = not elsewhere classified

SOURCE: Current Population Survey, Bureau of Labor Statistics

**Employed persons by detailed occupation and sex,
1983-2002 annual averages**

(Numbers in thousands)

MEN Occupation	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983
Farmers, except horticultural (1994 forward)	—	—	—	—	—	—	—	—	—	—
Horticultural specialty farmers (1994 forward)	—	—	—	—	—	—	—	—	—	—
Farm managers (through 1993)	114	108	124	127	115	124	112	102	83	73
Farm managers, except horticultural (1994 forward)	—	—	—	—	—	—	—	—	—	—
Managers, horticultural specialty farms (1994 forward)	—	—	—	—	—	—	—	—	—	—
Other agricultural and related occupations	1,766	1,760	1,703	1,618	1,618	1,668	1,570	1,592	1,622	1,659
Farm occupations, except managerial	774	780	760	743	780	803	762	813	883	919
Supervisors, farm workers	41	33	35	36	32	27	27	33	42	42
Farm workers	709	721	702	689	728	757	718	762	826	864
Marine life cultivation workers	1	1	1	3	1	1	1	1	1	1
Nursery workers	24	25	21	15	19	17	15	17	15	12
Related agricultural occupations	992	979	943	875	838	866	808	780	739	739
Supervisors, related agricultural occupations	58	61	62	69	72	68	110	116	100	94
Groundskeepers and gardeners, except farm	884	873	834	766	725	759	667	624	601	601
Animal caretakers, except farm	34	37	40	36	37	34	25	35	34	39
Graders and sorters, agricultural products	14	8	7	2	2	4	4	4	4	5
Inspectors, agricultural products	2	0	0	1	1	0	1	1	1	1
Forestry and logging occupations	105	108	123	111	112	98	107	97	101	124
Supervisors, forestry and logging occupations	10	9	8	7	8	7	7	5	8	8
Forestry workers, except logging	18	20	19	24	20	19	23	16	11	20
Timber cutting and logging occupations	77	79	97	80	84	72	77	76	83	96
Fishers, hunters, and trappers	58	57	61	55	52	67	70	58	52	50
Captains and other officers, fishing vessels	8	7	8	8	8	9	12	8	6	6
Fishers	49	49	51	44	42	56	56	48	45	42
Hunters and trappers	1	0	1	2	2	2	2	2	2	2

NOTE: Dashes indicate data are not available.

Data for 2000-2002 were revised to incorporate population control
n.e.c. = not elsewhere classified

SOURCE: Current Population Survey, Bureau of Labor Statistics