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Maine Occupational Staffing

Communications
SIC 48

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Second Quarter 1994

Division of Labor Market Information Services

MAY 23 1996

Introduction

We wish to express our thanks to all the employers who supplied the necessary occupational employment and wage data by responding to the Occupational Employment Statistics (OES) program survey. This OES program is a federal/state cooperative effort between the Maine Department of Labor's Division of Labor Market Information Services, and the U.S. Department of Labor's Bureau of Labor Statistics, to determine, by industry and occupation, employment and wage levels in the state as well as the nation. This type of information has many uses, both public and private. Employers use this data to compare their staffing to their industry. Vocational advisors in high schools, trade and vocational schools, universities, and government employment offices use this data to help place current job seekers and to advise those of the future. This data helps determine what skills would be needed to attract a new firm or industry into an area. The information also gives insight into what jobs might be lost should an industry experience massive reductions in employment. Also, this data forms the basis of the state's occupational employment projections program. The output of this program helps job training specialists and planners from economic development agencies to plan for the future.

Each year approximately one-third of the State's industries are surveyed. Thus the entire economy will be covered every three years. Using this cycle, employers are asked to provide occupational data only once every three years. This ensures that no part of the data base is over three years old, and that significant changes in the staffing patterns of industries can be identified early, as the trend develops.

Only data which meet the following criteria are published in the accompanying tables: an occupational employment estimate must be ten or greater and have a relative error less than 51 percent or 36 percent depending if the industry's response rate was 70 percent or greater, or between 60 and 70 percent, respectively. Data was screened to ensure that the identity of sample firms may not be derived from the published data. Data for occupations that do not meet publication or confidentiality criteria are combined with the appropriate "all other" category.

The industry classification used in the OES program and in this publication are defined in the 1987 edition of the *Standard Industrial Classification (SIC) Manual*, prepared by the Executive Office of the President, Office of Management and Budget, Statistical Policy Division.

The wage data collected through the OES program is collected by wage **ranges** rather than by actual wages. However, the U.S. Bureau of Labor Statistics determined that the mean, median, 25th percentile and 75th percentile could be accurately calculated from this data. For this publication, only the mean, or average, and median wage have been included. It should be noted that to produce this average hourly wage, it was assumed that full-time employees worked a 40-hour week. Also, it was requested during wage collection, that hourly, rather than annual, wages be reported for all part-time workers.

For further information regarding this report, or the OES program methodology, please call Wendy Nelson, Occupational Employment Statistics Program Manager, at (207)287-2271.

Communications SIC 48

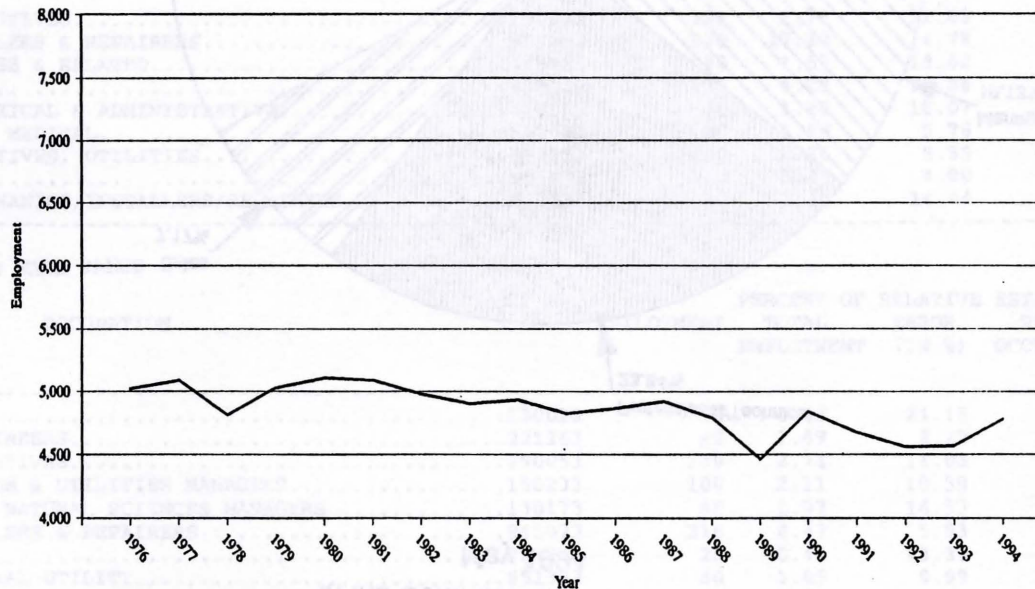
This major industry group includes establishments furnishing point-to-point communications services, whether intended to be received aurally or visually; and radio and television broadcasting. Also included are establishments primarily engaged in providing paging and beeper services and those engaged in leasing telephone lines, optical fiber lines and microwave or satellite facilities, and reselling the use of such methods to others.

The annual average wage and salary employment in this industry has fluctuated by 650 workers over the past 18 years, from a high of 5,110 workers in 1980 to a low of 4,460 in 1989. The employment trend over the years has been basically downward, although there has

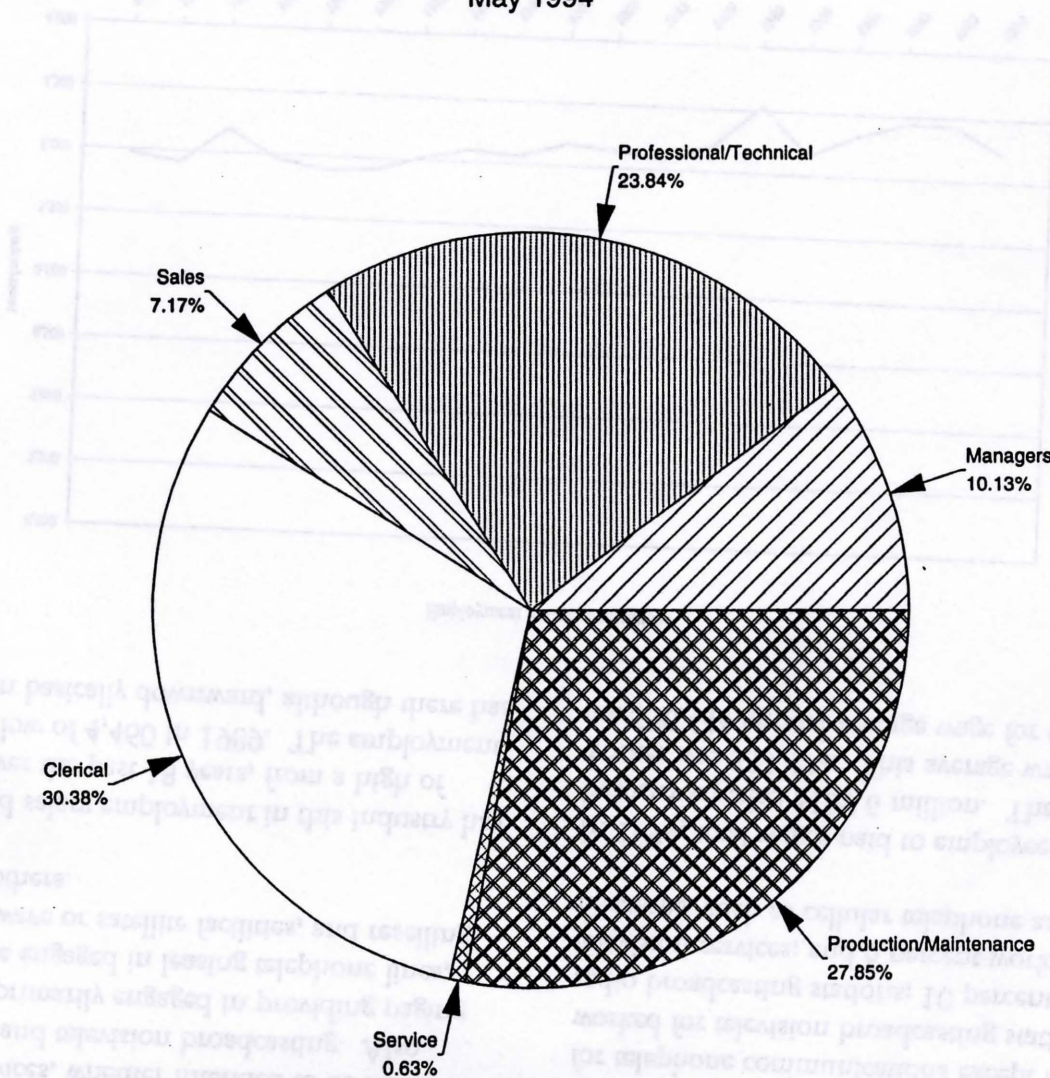
been a slight increase over the past 3 years, ending with 4,780 workers in 1994. At this time, 50 percent of the employees worked for telephone communications except radiotelephone; 17 percent worked for television broadcasting stations; 16 percent worked for radio broadcasting stations; 10 percent worked in cable and other pay television services; and 6 percent worked in radiotelephone communications, such as cellular telephone and beeper service.

In 1994, total wages paid to employees in the communications industry equaled \$159.6 million. The average annual wage per worker was \$33,402. This average wage was 9.7 percent higher than the \$30,444 annual average wage for this industry's workers in 1991.

Employment in Communications



Employment Distribution by Major Occupational Categories
in the Communications Industry
May 1994



MAINE
 SIC 48 COMMUNICATION
 BENCHMARK EMPLOYMENT: 4,730
 REFERENCE DATE : May 12, 1994

TOTAL NUMBER OF RESPONDENTS: 38

TOP 10 OCCUPATIONS BY ESTIMATED EMPLOYMENT

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	MEAN HOURLY WAGE	MEDIAN HOURLY WAGE
TELEPHONE & CABLE TV INSTALLERS & REPAIRERS.....857023	820	17.30	4.78	44.74	\$16.20	\$17.00
CUSTOMER SERVICE REPRESENTATIVES, UTILITIES.....553353	420	8.86	5.55	36.84	13.40	14.00
ANNOUNCERS, RADIO/TELEVISION.....340173	270	5.70	23.31	26.32	7.50	6.50
GENERAL OFFICE CLERKS.....553473	260	5.49	4.00	36.84	12.30	13.20
CENTRAL OFFICE & PBX INSTALLERS & REPAIRERS.....855023	210	4.43	5.83	21.05	18.80	18.80
SALES AGENTS, ADVERTISING.....430233	200	4.22	18.84	42.11	14.20	12.80
BROADCAST TECHNICIANS.....340283	170	3.59	19.89	31.58	9.40	8.90
GENERAL MANAGERS & TOP EXECUTIVES.....190053	130	2.74	11.03	78.95	29.90	27.10
COMMUNICATIONS/TRANSPORTATION & UTILITIES MANAGERS.....150233	100	2.11	10.59	23.68	25.40	25.70
PRODUCERS, DIRECTORS, ACTORS & OTHER ENTERTAINERS.....340563	100	2.11	11.03	26.32	11.00	10.80

TOP 9 OCCUPATIONS BY FIRMS REPORTING

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	MEAN HOURLY WAGE	MEDIAN HOURLY WAGE
GENERAL MANAGERS & TOP EXECUTIVES.....190053	130	2.74	11.03	78.95	\$29.90	\$27.10
TELEPHONE & CABLE TV INSTALLERS & REPAIRERS.....857023	820	17.30	4.78	44.74	16.20	17.00
FIRST LINE SUPERVISORS, SALES & RELATED.....410023	80	1.69	18.62	42.11	17.30	15.30
SALES AGENTS, ADVERTISING.....430233	200	4.22	18.84	42.11	14.20	12.80
FIRST LINE SUPERVISORS, CLERICAL & ADMINISTRATIVE.....510023	70	1.48	18.07	42.11	13.90	13.00
SECRETARIES, EXCEPT LEGAL & MEDICAL.....551083	80	1.69	5.76	39.47	11.40	10.80
CUSTOMER SERVICE REPRESENTATIVES, UTILITIES.....553353	420	8.86	5.55	36.84	13.40	14.00
GENERAL OFFICE CLERKS.....553473	260	5.49	4.00	36.84	12.30	13.20
FIRST LINE SUPERVISORS, MECHANICS/INSTALLERS/REPAIRERS.....810023	70	1.48	14.64	36.84	17.60	16.50

TOP 10 OCCUPATIONS BY MEDIAN WAGE VALUE

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	MEAN HOURLY WAGE	MEDIAN HOURLY WAGE
FINANCIAL MANAGERS.....130023	30	0.63	21.15	34.21	\$29.90	\$28.80
ELECTRICAL & ELECTRONIC ENGINEERS.....221263	80	1.69	8.22	13.16	26.70	28.10
GENERAL MANAGERS & TOP EXECUTIVES.....190053	130	2.74	11.03	78.95	29.90	27.10
COMMUNICATIONS/TRANSPORTATION & UTILITIES MANAGERS.....150233	100	2.11	10.59	23.68	25.40	25.70
ENGINEERING, MATHEMATICAL & NATURAL SCIENCES MANAGERS.....130173	60	1.27	14.53	34.21	21.60	22.10
CENTRAL OFFICE & PBX INSTALLERS & REPAIRERS.....855023	210	4.43	5.83	21.05	18.80	18.80
COMPUTER ENGINEERS.....221273	20	0.42	43.30	10.53	18.60	18.40
MAINTENANCE REPAIRERS, GENERAL UTILITY.....851323	50	1.05	9.99	13.16	16.40	17.40
SALES AGENTS, BUSINESS SERVICES.....430173	40	0.84	49.01	13.16	17.70	17.30
TELEPHONE & CABLE TV INSTALLERS & REPAIRERS.....857023	820	17.30	4.78	44.74	16.20	17.00

MAINE
 SIC 48 COMMUNICATION
 BENCHMARK EMPLOYMENT: 4,730
 REFERENCE DATE : May 12, 1994

TOTAL NUMBER OF RESPONDENTS: 38

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	MEAN HOURLY WAGE	MEDIAN HOURLY WAGE
TOTAL.....	4,740	100.00	N.A.	N.A.	\$15.10	\$14.00
MANAGERIAL & ADMINISTRATIVE.....	480	10.13	N.A.	N.A.	25.80	25.10
FINANCIAL MANAGERS.....	30	0.63	21.15	34.21	29.90	28.80
MARKETING/ADVERTISING/PUBLIC RELATIONS MANAGERS.....	50	1.05	22.44	31.58	19.80	15.10
ENGINEERING, MATHEMATICAL & NATURAL SCIENCES MANAGERS.....	60	1.27	14.53	34.21	21.60	22.10
OTHER ADMINISTRATIVE MANAGERS.....	10	0.21	N.A.	N.A.	25.30	27.10
COMMUNICATIONS/TRANSPORTATION & UTILITIES MANAGERS.....	100	2.11	10.59	23.68	25.40	25.70
GENERAL MANAGERS & TOP EXECUTIVES.....	130	2.74	11.03	78.95	29.90	27.10
ALL OTHER MANAGERS & ADMINISTRATORS.....	100	2.11	N.A.	N.A.	24.90	25.00
PROFESSIONAL/PARAPROFESSIONAL & TECHNICAL OCCUPATIONS.....	1,130	23.84	N.A.	N.A.	11.80	9.80
ACCOUNTANTS, AUDITORS & OTHER FINANCIAL SPECIALISTS.....	40	0.84	N.A.	N.A.	15.90	15.10
ACCOUNTANTS & AUDITORS.....	40	0.84	22.50	21.05	15.90	15.10
ALL OTHER MANAGEMENT SUPPORT.....	10	0.21	N.A.	N.A.	22.00	22.20
ENGINEERS.....	100	2.11	N.A.	N.A.	24.70	25.90
ELECTRICAL & ELECTRONIC ENGINEERS.....	80	1.69	8.22	13.16	26.70	28.10
COMPUTER ENGINEERS.....	20	0.42	43.30	10.53	18.60	18.40
ENGINEERING & RELATED TECHNICIANS & TECHNOLOGISTS.....	90	1.90	N.A.	N.A.	12.90	12.30
ELECTRICAL/ELECTRONIC TECHNICIANS & TECHNOLOGISTS.....	90	1.90	23.81	31.58	12.90	12.30
COMPUTER SCIENTISTS & RELATED.....	20	0.42	N.A.	N.A.	21.30	20.80
OTHER COMPUTER SCIENTISTS & RELATED.....	20	0.42	N.A.	N.A.	21.30	20.80
WRITERS & EDITORS.....	10	0.21	33.33	7.89	14.40	14.00
PUBLIC RELATIONS SPECIALISTS & PUBLICITY WRITERS.....	20	0.42	0.00	15.79	13.70	11.40
REPORTERS & CORRESPONDENTS.....	90	1.90	17.90	21.05	10.60	8.70
BROADCAST NEWS ANALYSTS.....	50	1.05	13.42	15.79	16.40	14.60
ANNOUNCERS, RADIO/TELEVISION.....	270	5.70	23.31	26.32	7.50	6.50
PHOTOGRAPHERS.....	40	0.84	0.00	13.16	11.90	12.80
CAMERA OPERATORS, TELEVISION & MOTION PICTURE.....	50	1.05	19.43	15.79	7.20	6.40
BROADCAST TECHNICIANS.....	170	3.59	19.89	31.58	9.40	8.90
PRODUCERS, DIRECTORS, ACTORS & OTHER ENTERTAINERS.....	100	2.11	11.03	26.32	11.00	10.80
OTHER PROFESSIONAL, PARAPROFESSIONAL/TECHNICIANS.....	70	1.48	N.A.	N.A.	10.30	9.70
SALES & RELATED OCCUPATIONS.....	340	7.17	N.A.	N.A.	15.10	13.30
FIRST LINE SUPERVISORS, SALES & RELATED.....	80	1.69	18.62	42.11	17.30	15.30
SALES WORKERS, SERVICES.....	240	5.06	N.A.	N.A.	14.90	13.40

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE

SIC 48 COMMUNICATION
 BENCHMARK EMPLOYMENT: 4,730
 REFERENCE DATE : May 12, 1994

TOTAL NUMBER OF RESPONDENTS: 38

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	MEAN HOURLY WAGE	MEDIAN HOURLY WAGE
SALES AGENTS, BUSINESS SERVICES.....430173	40	0.84	49.01	13.16	\$17.70	\$17.30
SALES AGENTS, ADVERTISING.....430233	200	4.22	18.84	42.11	14.20	12.80
ALL OTHER SALES & RELATED.....499993	20	0.42	N.A.	N.A.	10.30	10.00
CLERICAL & ADMINISTRATIVE SUPPORT.....500003	1,440	30.38	N.A.	N.A.	12.60	12.80
FIRST LINE SUPERVISORS, CLERICAL & ADMINISTRATIVE.....510023	70	1.48	18.07	42.11	13.90	13.00
OTHER BANKING, SECURITY, FINANCE & CREDIT WORKERS.....531993	20	0.42	N.A.	N.A.	10.50	10.50
SECRETARIES, EXCEPT LEGAL & MEDICAL.....551083	80	1.69	5.76	39.47	11.40	10.80
RECEPTIONISTS & INFORMATION CLERKS.....553053	40	0.84	22.29	28.95	7.60	6.60
TYPISTS, INCLUDING WORD PROCESSING.....553073	10	0.21	24.49	10.53	9.40	9.50
CUSTOMER SERVICE REPRESENTATIVES, UTILITIES.....553353	420	8.86	5.55	36.84	13.40	14.00
BOOKKEEPING, ACCOUNTING & AUDITING CLERKS.....553383	40	0.84	15.23	34.21	11.20	10.80
GENERAL OFFICE CLERKS.....553473	260	5.49	4.00	36.84	12.30	13.20
OFFICE MACHINE OPERATORS, DATA PROCESSORS.....560003	40	0.84	N.A.	N.A.	10.80	10.60
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT.....560113	30	0.63	23.71	21.05	11.50	11.50
OTHER OFFICE MACHINE OPERATORS.....560993	10	0.21	N.A.	N.A.	7.80	7.80
SWITCHBOARD OPERATORS.....571023	20	0.42	18.75	15.79	8.40	8.20
OTHER COMMUNICATIONS EQUIPMENT OPERATORS.....571993	330	6.96	N.A.	N.A.	13.40	13.50
MATERIAL RECORDING/SCHEDULING/ DISPATCHING/DISTRIBUTING.....580003	60	1.27	N.A.	N.A.	11.60	10.50
DISPATCHERS, EXCEPT POLICE, FIRE & AMBULANCE.....580053	20	0.42	12.30	18.42	8.40	8.40
PRODUCTION, PLANNING & EXPEDITING CLERKS.....580083	30	0.63	14.22	7.89	14.60	16.40
STOCK CLERKS, STOCKROOM, WAREHOUSE OR STORAGE YARD.....580233	10	0.21	35.36	7.89	9.60	9.80
ALL OTHER CLERICAL & ADMINISTRATIVE SUPPORT.....599993	50	1.05	N.A.	N.A.	12.60	12.90
SERVICE OCCUPATIONS.....600003	30	0.63	N.A.	N.A.	8.10	7.90
CLEANING & BUILDING SERVICE.....670003	30	0.63	N.A.	N.A.	8.10	7.90
PRODUCT/CONSTRUCT/OPERATE MAINTENANCE/MATERIAL HANDLING.....800003	1,320	27.85	N.A.	N.A.	16.80	17.50
FIRST LINE SUPERVISORS-PRODUCT/ CONSTRUCT/MAINTENANCE/RELATED...810003	70	1.48	N.A.	N.A.	17.60	16.50
FIRST LINE SUPERVISORS, MECHANICS/INSTALLERS/REPAIRERS.....810023	70	1.48	14.64	36.84	17.60	16.50
INSPECTORS & RELATED.....830003	10	0.21	N.A.	N.A.	22.50	22.50
OTHER INSPECTORS, TESTERS & RELATED WORKERS.....830993	10	0.21	N.A.	N.A.	22.50	22.50
MECHANICS, INSTALLERS & REPAIRERS.....850003	1,230	25.95	N.A.	N.A.	16.80	17.50
MAINTENANCE REPAIRERS, GENERAL UTILITY.....851323	50	1.05	9.99	13.16	16.40	17.40
OTHER MOBILE EQUIPMENT MECHANICS/INSTALL/REPAIR.....853993	20	0.42	N.A.	N.A.	21.70	22.10
CENTRAL OFFICE & PBX INSTALLERS & REPAIRERS.....855023	210	4.43	5.83	21.05	18.80	18.80
TELEPHONE & CABLE TV INSTALLERS & REPAIRERS.....857023	820	17.30	4.78	44.74	16.20	17.00

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

Data for confidential occupations has been combined with the appropriate "All Other" categories.

MAINE
 SIC 48 COMMUNICATION
 BENCHMARK EMPLOYMENT: 4,730
 REFERENCE DATE : May 12, 1994

TOTAL NUMBER OF RESPONDENTS: 38

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)	MEAN HOURLY WAGE	MEDIAN HOURLY WAGE
STATION INSTALLERS & REPAIRERS, TELEPHONE.....857263	40	0.84	17.95	15.79	\$13.50	\$13.00
OTHER ELECTRICAL/ELECTRONIC EQUIPMENT MECHANIC/INSTALL.....857993	90	1.90	N.A.	N.A.	18.30	18.40
OTHER PRODUCT/CONSTRUCT/ MAINTENANCE/MATERIAL HANDLING.....999993	10	0.21	N.A.	N.A.	9.10	9.50

N.A. - not available or not calculated

Benchmark employment may not equal total employment due to rounding.

Data for confidential occupations has been combined with the appropriate "All Other" categories.

ORDER FORM

Listed are the 1994 OES Survey Reports published for selected industries in Maine. If you would like to receive any of these, please complete and return this form to:

**Maine Department of Labor
Labor Market Information Services
20 Union Street
Augusta, ME 04330-6826**

Name: _____

Company: _____

Address: _____

City, State, Zip _____

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- Motor Freight Transportation and Warehousing (SIC 42)
- Water Transportation (SIC 44)
- Communications (SIC 48)
- Electric, Gas, and Sanitary Services (SIC 49)
- Wholesale Trade of Durable Goods (SIC 50)
- Wholesale Trade of Nondurable Goods (SIC 51)
- Building Materials, Hardware, Garden Supply, and Mobile Home Dealers (SIC 52)
- General Merchandise Stores (SIC 53)
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- Automobile Dealers and Gasoline Service Stations (SIC 55)
- Home Furniture, Furnishings, and Equipment Stores (SIC 57)
- Eating and Drinking Places (SIC 58)
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