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REPORT of
CHEMISTS' SALARIES
and EMPLOYMENT STATUS

Based on the 1978 Salary
and Employment Status Survey
of ACS Members

Office of Manpower Studies
American Chemical Society
Washington, D.C.

1978 REPORT
OF CHEMISTS' SALARIES
AND EMPLOYMENT STATUS

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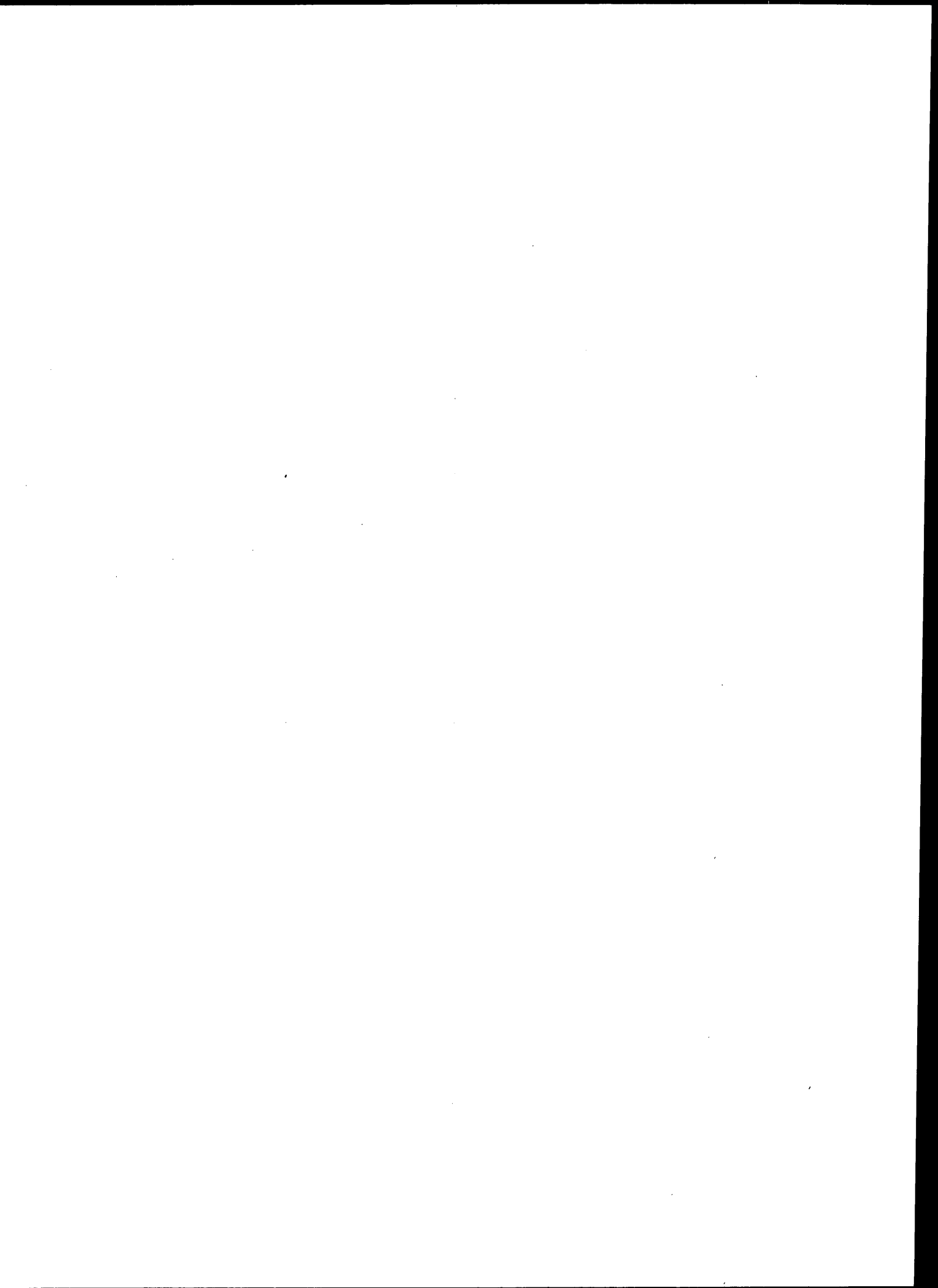
INTRODUCTION AND ACKNOWLEDGMENT

This report presents detailed results of the 1978 Comprehensive Salary and Employment Status Survey conducted by the American Chemical Society's Office of Manpower Studies. The principal findings have been published in the June 19, 1978 (pp. 31-37) issue of Chemical and Engineering News.

A summary and analysis of the survey results also have been prepared by the Subcommittee on Surveys of the ACS Council Committee on Economic Status, which is responsible for oversight of the survey. The contribution of this Subcommittee and especially the chairman, Dr. Alan L. McClelland, is gratefully acknowledged. The general responsibility of the Committee chairman, Dr. Samuel M. Gerber, also is recognized. Special thanks go to each of more than 11,000 ACS members who completed and returned survey questionnaires.

Ms. Maria D. Frizat of the ACS Office of Manpower Studies conducted the survey, took responsibility for editing the returns, and put together this report. She was assisted by Ms. Joanna K. Chin, who typed the manuscript, and Mr. Daryle S. Watson of the ACS Chemical Abstracts Service, who handled the computer work. Mr. J. Robert Jones is manager of the ACS Office of Manpower Studies.

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SUMMARY OF FINDINGS

Analysis of data from a survey such as the ACS annual Comprehensive Survey requires considerable caution since so many variables are involved. The survey, based on responses to a questionnaire sent in late February to a sample of one quarter of the members living in the United States, collects information on salaries, employment status, sex, minority status, citizenship, length of professional experience, type of employer, work function, chemical specialty, number of subordinates, geographic region, etc. Thus many types of correlations can be made, but oversimplifications are not particularly meaningful. A few of the possible comparisons which seem meaningful to the Committee on Economic Status' Subcommittee on Surveys are summarized here.

Characteristics of Respondents

Tables A-1 through A-17 present the characteristics of survey respondents. An interesting fact is that the proportion of women in the ACS is increasing. Table 1 below shows the percent of women in the domestic membership and among survey respondents for the past six years.

Table 1

Percent of Women in the American Chemical Society		
Year	Domestic Membership	Survey Responses
1973	na	7.0
1974	7.4	7.3
1975	8.3	8.0
1976	na	8.2
1977	na	8.8
1978	9.6	9.7

The proportion of minorities remained about 5% from 1973 through 1977, but increased to 6% in 1978. This increase is probably due to the addition by the Equal Employment Opportunity Commission of "Subcontinental Indians" (meaning those from India and neighboring countries) to the "Asian" category.

Table 2

Percent of Minorities in the American Chemical Society
(Survey Responses)

Year	Black	American Indian	Asian	Hispanic	Total
1973	1.0	0.1	3.1	0.6	4.8
1974	1.1	0.1	3.2	0.6	5.1
1975	1.0	0.2	3.4	0.6	5.2
1976	1.2	0.2	3.2	0.6	5.2
1977	0.9	0.2	3.4	0.8	5.3
1978	1.0	0.1	4.6	0.7	6.4

Employment Status

Unemployment among ACS members stayed essentially constant since last year, 1.4% in 1978 vs. 1.5% in 1977. Groups other than the category "Unemployed and seeking employment" who could be considered to have employment problems are the "Employed part-time and seeking full-time employment" at 0.3% (same in 1977) and "Retired and seeking full-time employment" at 0.4%. This "retired but seeking" group seems to be quite constant regardless of economic conditions; it has been 0.3% to 0.4% in every year since 1972 when it was first listed as a category on the survey (see Table 3).

Table 3

EMPLOYMENT STATUS OF RESPONDENTS: 1971-78
(Percent Distribution)

	1971	1972	1973	1974	1975	1976	1977	1978
Full-time employed (and seeking other employment)	90.7 na	90.8 na	90.7 na	93.5 na	93.2 na	93.7 na	93.7 (7.9)	93.7 (7.9)
Part-time employed (and seeking full-time employment)	2.3 na	1.5 na	1.3 na	1.0 na	1.3 (0.7)	1.3 (0.7)	1.1 (0.3)	1.0 (0.3)
Postdoctorate or other fellowship	1.6	2.0	2.9	2.4	2.0	2.2	2.0	1.9
Unemployed seeking employ- ment	2.8	3.1	1.7	1.4	1.6	1.9	1.5	1.4
Retired seeking employment	2.6	0.4	0.4	0.3	0.4	0.3	0.3	0.4
Not seeking employment		2.2	3.0	1.4	1.4	0.7	1.4	1.7
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Number of responses	27,325	25,539	11,780	11,876	10,991	10,952	12,260	11,059

Note: In 1973 the sample size was reduced permanently from one half to one quarter of the ACS domestic membership. In 1974 and thereafter members over 64 years of age were eliminated from the sample.

In general, comparisons of unemployment rate by other categories such as minority status, age, field of specialty, geographic area, and other breakdowns, show no significant differences, though this is partly because the number of individuals in each comparison cell is frequently too small to allow valid comparisons (see Tables B-1 through B-11).

However, the higher unemployment among women compared to men is probably significant, as is the declining unemployment rate for women, as can be seen in Table 4 below.

Table 4

Percent Unemployed Seeking Employment, by Sex: 1971-1978

Year	Men	Women	Total
1971	2.4	6.3	2.8
1972	2.3	7.3	3.1
1973	1.5	4.2	1.7
1974	1.2	3.5	1.4
1975	1.5	2.7	1.6
1976	1.6	4.4	1.9
1977	1.3	3.4	1.5
1978	1.2	2.8	1.4

Industrial Salaries

The survey shows that in 1978 private industry employs 60.8% of chemist members of the Society. Therefore consideration of industrial salaries serves as a good starting point. These salaries in constant dollars (that is, corrected for inflation) are generally up from 1977. However, compared with 1968, salaries in constant 1967 dollars are down approximately 1% to 2% for more experienced people, and down 6% to 14% for the less experienced groups. The years 1974-76 were generally the period when constant dollar salaries hit bottom--at all levels there has been some progress upward since. (See Table 5-B).

Table 5-A

SALARIES OF CHEMISTS IN PRIVATE INDUSTRY
BY DEGREE AND SELECTED EXPERIENCE LEVELS: 1968-78
(Current \$)

Year	Years of Professional Experience			
	2-4	10-14	20-24	30-34
B.S. 1968	9,400	12,400	15,000	16,000
1969	9,700	12,800	15,000	16,000
1970	10,800	14,000	17,000	18,500
1971	10,600	14,300	17,000	18,400
1972	11,000	15,000	17,600	19,200
1973	11,200	15,300	18,400	20,000
1974	11,500	16,200	19,900	21,000
1975	12,000	17,600	22,000	23,000
1976	13,300	19,000	23,000	24,000
1977	14,000	20,000	24,000	26,500
1978	15,000	21,500	27,000	29,000
% change 1977-78	7.1	7.5	12.5	9.4
M.S. 1968	10,500	13,800	16,500	16,500
1969	11,200	14,100	16,200	16,900
1970	12,100	15,000	18,000	18,500
1971	12,000	15,800	18,000	19,000
1972	12,400	16,000	19,300	20,000
1973	12,800	17,000	20,100	22,000
1974	13,000	18,000	22,000	23,500
1975	14,200	19,500	23,000	25,000
1976	15,000	20,000	24,700	25,000
1977	16,000	22,300	27,500	28,000
1978	17,000	24,000	29,900	30,700
% change 1977-78	6.3	7.6	8.7	9.6
Ph.D. 1968	14,400	17,000	19,900	21,000
1969	15,300	18,300	20,700	21,700
1970	16,200	19,200	22,000	24,000
1971	16,800	20,200	23,400	24,700
1972	17,300	21,100	24,300	25,000
1973	18,000	22,000	25,300	27,000
1974	18,000	23,500	26,500	29,100
1975	19,100	26,000	29,500	30,000
1976	20,000	28,000	31,800	34,000
1977	21,500	29,100	33,000	36,000
1978	23,000	31,800	36,000	38,800
% change 1977-78	7.0	9.3	9.1	5.6

Table 5-B

SALARIES OF CHEMISTS IN PRIVATE INDUSTRY
BY DEGREE AND SELECTED EXPERIENCE LEVELS: 1968-78
(Constant 1967 \$)

Year	Years of Professional Experience			
	2-4	10-14	20-24	30-34
B.S. 1968	9,144	12,062	14,591	15,564
1969	8,981	11,852	13,889	14,815
1970	9,432	12,227	14,847	16,157
1971	8,848	11,937	14,190	15,359
1972	8,871	12,097	14,194	15,484
1973	8,629	11,787	14,176	15,408
1974	8,036	11,321	13,906	14,675
1975	7,605	11,153	13,942	14,575
1976	7,940	11,343	13,731	14,328
1977	7,856	11,223	13,468	14,871
1978	7,903	11,328	14,226	15,279
% change 1977-78	0.6	0.9	5.6	2.7
% change 1968-78	-13.6	-6.1	-2.5	-1.8
M.S. 1968	10,214	13,424	16,051	16,051
1969	10,370	13,056	15,000	15,648
1970	10,568	13,100	15,721	16,157
1971	10,017	13,189	15,025	15,860
1972	10,000	12,903	15,565	16,129
1973	9,861	13,097	15,485	16,949
1974	9,085	12,579	15,374	16,422
1975	8,999	12,357	14,575	15,843
1976	8,955	11,940	14,746	14,925
1977	8,979	12,514	15,432	15,713
1978	8,957	12,645	15,753	16,175
% change 1977-78	-0.2	1.0	2.1	2.9
% change 1968-78	-12.3	-5.8	-1.9	0.8
Ph.D. 1968	14,008	16,537	19,358	20,428
1969	14,167	16,944	19,167	20,093
1970	14,148	16,769	19,214	20,961
1971	14,023	16,861	19,533	20,618
1972	13,952	17,016	19,597	20,161
1973	13,867	16,949	19,492	20,801
1974	12,579	16,422	18,519	20,335
1975	12,104	16,477	18,695	19,011
1976	11,940	16,716	18,985	20,299
1977	12,065	16,330	18,519	20,202
1978	12,118	16,754	18,967	20,443
% change 1977-78	0.4	2.6	2.4	1.2
% change 1968-78	-13.5	1.3	-2.0	0.1

Academic Salaries

Detailed breakdown of academic salaries by years of experience is available starting in 1975. Table 6 summarizes the salaries of Ph.D. chemists in current and constant dollars for those years. The actual numbers of bachelor's and master's degree holders in academia are too small to make a similar analysis at these degree levels meaningful.

Table 6

MEDIAN SALARIES OF Ph.D. CHEMISTS IN COLLEGE OR UNIVERSITY BY SELECTED EXPERIENCE LEVELS: 1975-78

(Current \$)

Year	Years of Professional Experience			
	2-4	10-14	20-24	30-34
1975	13,300	17,700	23,500	24,100
1976	13,600	18,500	23,000	26,000
1977	13,900	19,200	25,000	26,100
1978	15,000	20,000	26,000	28,600
% change 1977-78	7.9	4.2	4.0	9.6

(Constant 1967 \$)

1975	8,428	11,217	14,892	15,272
1976	8,119	11,045	13,731	15,522
1977	7,800	10,774	14,029	14,646
1978	7,903	10,537	13,699	15,068
% change 1977-78	1.3	-2.2	-2.4	2.9
% change 1975-78	-6.2	-6.1	-8.0	-1.3

Salaries of Women

Women's median salaries are clearly still below men's at nearly all degree and experience levels. Salary differentials are more pronounced for the more experienced groups. Statistical fluctuations tend to obscure any short-term trends in the relationship, but the long-term trends are clearly converging, especially for the less experienced groups (see Table 7).

Table 7

WOMEN'S MEDIAN SALARIES AS PERCENT OF MEN'S
BY DEGREE AND SELECTED YEARS OF EXPERIENCE: 1968-78

Year	Years of Professional Experience		
	2-4	5-9	10-14
B. S. 1968	84.9	82.4	80.0
1970	82.7	77.9	74.2
1972	91.7	90.0	87.3
1974	93.0	85.7	84.8
1976	98.5	84.4	85.3
1977	94.3	89.8	94.6
1978	104.2	88.9	84.7
M. S. 1968	77.9	78.3	73.9
1970	75.4	78.3	75.6
1972	86.7	88.9	79.7
1974	88.3	83.3	80.5
1976	89.0	85.6	92.3
1977	84.4	94.4	79.5
1978	90.9	93.8	87.2
Ph.D. 1968	70.3	79.9	78.1
1970	69.1	73.2	73.4
1972	66.7	74.3	76.5
1974	87.9	76.0	84.9
1976	80.0	81.1	78.3
1977	84.0	86.4	74.8
1978	91.4	83.3	71.4

Chemical Engineers' Salaries

Since a smaller, more select group of chemical engineers join the ACS, as compared with the AIChE, the significance of the Comprehensive Survey data on chemical engineers' salaries is more difficult to evaluate than the chemists' data. The engineering membership of the ACS may not be truly typical. However, in accord with ACS starting salary survey and other sources of data, the survey does support the general picture of higher salaries for chemical engineers.

Table 8

1978 MEDIAN SALARIES OF CHEMISTS & CHEMICAL ENGINEERS BY DEGREE AND SELECTED YEARS OF EXPERIENCE

Years of Experience	Chemists		Chemical Engineers
	All	Industrial	
B.S. 2-4	14,500	15,000	17,700
10-14	21,000	21,500	24,000
20-24	26,100	27,000	30,000
M.S. 2-4	16,000	17,000	20,000
10-14	22,800	24,000	28,000
20-24	27,000	29,900	34,700
Ph.D. 2-4	21,800	23,000	24,000
10-14	27,600	31,800	32,000
20-24	32,000	36,000	37,400

Source: Tables D-1, D-42 and D-81.

Subcommittee on Surveys

Don R. Baker

Madeleine M. Joullie'

Alan L. McClelland, Chairman

TABLE A-1

RESPONDENTS BY SEX AND DEGREE

SEX	HIGHEST DEGREE EARNED				ROW TOTAL
	BACHLORS	MASTERS	DOCTORS	LESS THAN BS	
MEN	2648 87.2%	1904 86.6%	5402 93.4%	28 87.5%	9982 90.3%
WOMEN	388 12.8	295 13.4	384 6.6	4 12.5	1071 9.7
COLUMN TOTAL	3036 27.5%	2199 19.9%	5786 52.3%	32 0.3%	11053 100.0%

TABLE A-2

RESPONDENTS BY AGE AND DEGREE

AGE	HIGHEST DEGREE EARNED				ROW TOTAL
	BACHLORS	MASTERS	DOCTORS	LESS THAN BS	
20-24	111 4.1%	10 0.5%	0 0.0%	0 0.0%	121 1.2%
25-29	390 14.3	194 9.8	198 3.8	0 0.0	782 7.9
30-34	319 11.7	304 15.3	859 16.7	1 4.0	1483 15.0
35-39	264 9.7	294 14.8	1121 21.8	2 8.0	1681 17.0
40-44	253 9.3	193 9.7	771 15.0	4 16.0	1221 12.4
45-49	272 10.0	222 11.2	729 14.2	3 12.0	1226 12.4
50-54	398 14.6	318 16.0	582 11.3	5 20.0	1303 13.2
55-59	442 16.2	256 12.9	526 10.2	2 8.0	1226 12.4
60-64	278 10.2	194 9.8	359 7.0	8 32.0	839 8.5
COLUMN TOTAL	2727 27.6%	1985 20.1%	5145 52.1%	25 0.3%	9882 100.0%
AVERAGE AGE	43.8	44.2	43.4	51.4	43.7

TABLE A-3

RESPONDENTS BY AGE, SEX, AND DEGREE

AGE	HIGHEST DEGREE EARNED				ROW TOTAL
	BACHLORS	MASTERS	DOCTORS	LESS THAN BS	
MEN					
20-24	70 3.0%	8 0.5%	0 0.0%	0 0.0%	78 0.9%
25-29	282 12.0	153 9.0	171 3.6	0 0.0	606 6.9
30-34	265 11.3	241 14.2	769 16.1	1 4.8	1276 14.4
35-39	222 9.4	235 13.9	1039 21.7	2 9.5	1498 16.9
40-44	220 9.4	165 9.7	705 14.8	4 19.0	1094 12.4
45-49	250 10.6	199 11.7	702 14.7	3 14.3	1154 13.0
50-54	366 15.6	274 16.2	544 11.4	3 14.3	1187 13.4
55-59	406 17.3	240 14.2	505 10.6	1 4.8	1152 13.0
60-64	269 11.4	179 10.6	343 7.2	7 33.3	798 9.0
COLUMN TOTAL	2350 26.6%	1694 19.2%	4778 54.0%	21 0.2%	8843 100.0%
AVERAGE AGE	45.0	44.9	43.7	50.6	44.3
WOMEN					
20-24	41 10.9%	2 0.7%	0 0.0%	0 0.0%	43 4.2%
25-29	108 28.8	41 14.1	27 7.4	0 0.0	176 17.0
30-34	54 14.4	62 21.4	90 24.6	0 0.0	206 19.9
35-39	42 11.2	59 20.3	82 22.4	0 0.0	183 17.7
40-44	33 8.8	28 9.7	66 18.0	0 0.0	127 12.3
45-49	21 5.6	23 7.9	26 7.1	0 0.0	70 6.8
50-54	32 8.5	44 15.2	38 10.4	2 50.0	116 11.2
55-59	35 9.3	16 5.5	21 5.7	1 25.0	73 7.1
60-64	9 2.4	15 5.2	16 4.4	1 25.0	41 4.0
COLUMN TOTAL	375 36.2%	290 28.0%	366 35.4%	4 0.4%	1035 100.0%
AVERAGE AGE	36.5	40.4	40.4	55.8	39.1

TABLE A-4

RESPONDENTS BY WORK SPECIALTY AND DEGREE

WORK SPECIALTY	HIGHEST DEGREE EARNED				ROW TOTAL
	BACHLORS	MASTERS	DOCTORS	LESS THAN BS	
ANALYTICAL	742 24.4%	397 18.0%	580 10.0%	6 18.8%	1725 15.6%
INORGANIC	84 2.8	54 2.5	309 5.3	1 3.1	448 4.1
ORGANIC	240 7.9	213 9.7	1014 17.5	3 9.4	1470 13.3
POLYMER, MACROMOL	351 11.6	237 10.8	583 10.1	4 12.5	1175 10.6
PHYSICAL, THEORET	24 0.8	30 1.4	510 8.8	0 0.0	564 5.1
BIOCHEMISTRY	58 1.9	51 2.3	655 11.3	1 3.1	765 6.9
AGRICUL, FOOD	135 4.4	83 3.8	198 3.4	2 6.3	418 3.8
PHARMA, MED, CLN	157 5.2	137 6.2	442 7.6	1 3.1	737 6.7
CHEMICAL ENGRING	395 13.0	261 11.9	358 6.2	2 6.3	1016 9.2
CHEMISTRY, GENERAL	268 8.8	230 10.4	289 5.0	5 15.6	792 7.2
CHEMISTRY, OTHER	348 11.5	280 12.7	518 8.9	6 18.8	1152 10.4
NON-CHEMICAL	236 7.8	228 10.4	333 5.8	1 3.1	798 7.2
COLUMN TOTAL	3038 27.5%	2201 19.9%	5789 52.3%	32 0.3%	11060 100.0%

TABLE A-5

RESPONDENTS BY MINORITY CLASSIFICATION AND DEGREE

MINORITY CLASSIFICATION	HIGHEST DEGREE EARNED					LESS THAN BS	ROW TOTAL
	BACHELORS	MASTERS	DOCTORS				
BLACK	53 1.2%	32 1.5%	43 0.8%	0	0.0%	110 1.0%	
AMERICAN INDIAN	4 0.1	4 0.2	4 0.1	1	3.2	13 0.1	
ASIAN	59 2.0	89 4.1	355 6.3	1	3.2	504 4.7	
HISPANIC	25 0.8	15 0.9	37 0.7	0	0.0	81 0.7	
NON-MINORITY	2848 95.9	2009 93.3	5215 92.2	29	93.5	10106 93.5	
COLUMN TOTAL	2972 27.5%	2153 19.9%	5658 52.3%	31	0.3%	10814 100.0%	

TABLE A-7

RESPONDENTS BY MINORITY CLASSIFICATION AND CITIZENSHIP

MINORITY CLASSIFICATION	CITIZENSHIP		ROW TOTAL
	U.S.	NON-U.S.	
BLACK	109 1.1%	1 0.3%	110 1.0%
AMERICAN INDIAN	13 0.1	0 0.0	13 0.1
ASIAN	340 3.3	144 41.3	501 4.7
HISPANIC	76 0.7	5 1.4	81 0.8
NON-MINORITY	9837 94.8	199 57.0	10068 93.5
COLUMN TOTAL	10275 96.3%	349 3.2%	10773 100.0%

TABLE A-6

RESPONDENTS BY MINORITY CLASSIFICATION AND SEX

MINORITY CLASSIFICATION	SEX		ROW TOTAL
	IMEN	WOMEN	
BLACK	97 1.0%	13 1.3%	110 1.0%
AMERICAN INDIAN	12 0.1	1 0.1	13 0.1
ASIAN	440 4.5	64 6.2	504 4.7
HISPANIC	72 0.7	9 0.9	81 0.7
NON-MINORITY	9157 93.6	544 91.6	10101 93.4
COLUMN TOTAL	9778 90.5%	1031 9.5%	10809 100.0%

TABLE A-8

MINORITY RESPONDENTS BY DEGREE AND SEX

HIGHEST DEGREE EARNED	SEX		ROW TOTAL
	IMEN	WOMEN	
BACHELORS	97 15.6%	26 29.9%	123 17.4%
MASTERS	122 19.6	22 25.3	144 20.3
DOCTORS	400 64.4	39 44.8	439 62.0
LESS THAN BS	2 0.3	0 0.0	2 0.3
COLUMN TOTAL	621 87.7%	87 12.3%	708 100.0%

TABLE A-10

POSTDOCTORAL RESPONDENTS BY AGE AND SEX

AGE	SEX		ROW TOTAL
	IMEN	WOMEN	
25-29	60 39.2%	10 28.6%	70 37.2%
30-34	66 43.1	15 42.9	81 43.1
35-39	22 14.4	5 14.3	27 14.4
40-44	1 0.7	4 11.4	5 2.7
45-49	4 2.6	0 0.0	4 2.1
50-54	0 0.0	1 2.9	1 0.5
	153 81.4%	35 18.6%	188 100.0%
	COLUMN TOTAL		

TABLE A-11

POSTDOCTORAL RESPONDENTS BY MINORITY CLASSIFICATION AND CITIZENSHIP

MINORITY CLASSIFICATION	CITIZENSHIP		ROW TOTAL
	U.S.	NON-U.S.	
ASIAN	3 2.0%	14 66.7%	17 13.2%
	150 98.0	7 33.3	157 86.8
NON-MINORITY	153 77.7%	21 10.7%	174 11.7%
	153 77.7%	21 10.7%	174 11.7%
	153 77.7%	21 10.7%	174 11.7%
	COLUMN TOTAL		

TABLE A-9

POSTDOCTORAL RESPONDENTS BY YEARS SINCE PHD AND SEX

YEARS SINCE PHD	SEX		ROW TOTAL
	IMEN	WOMEN	
1 GR LESS	49 29.5%	10 28.6%	59 29.4%
2	45 27.1	7 20.0	52 25.9
3	25 15.1	7 20.0	32 15.9
4	18 10.8	1 2.9	19 9.5
5	12 7.2	6 17.1	18 9.0
6	2 1.2	0 0.0	2 1.0
7	1 0.6	3 8.6	4 2.0
8	2 1.2	0 0.0	2 1.0
9	4 2.4	1 2.9	5 2.5
10 CR MORE	8 4.8	0 0.0	8 4.0
	166 82.6%	35 17.4%	201 100.0%
	COLUMN TOTAL		

TABLE A-12
FULL-TIME EMPLOYED RESPONDENTS

BY NUMBER OF SUBORDINATES, DEGREE, AND SEX

NUMBER OF SUBORDINATES	TOTAL			MEN			WOMEN			ROW TOTAL
	BACHLORS	MASTERS	DOCTORS	BACHLORS	MASTERS	DOCTORS	BACHLORS	MASTERS	DOCTORS	
PROFESNLS										
0	1757 61.2%	1203 58.2%	217 50.5%	1470 58.2%	1006 55.6%	2505 49.4%	286 82.9%	195 76.8%	211 69.0%	692 76.5%
1 TO 2	429 14.9	350 16.9	914 17.0	405 16.0	321 17.7	874 17.2	24 7.0	29 11.4	49 13.1	93 10.3
3 TO 6	345 12.0	254 12.3	767 14.3	323 12.8	242 13.4	736 14.5	21 6.1	12 4.7	31 10.1	64 7.1
7 TO 20	208 7.2	155 7.5	583 10.8	201 8.0	146 8.1	564 11.1	7 2.0	9 3.5	18 5.9	34 3.8
21 OR MORE	132 4.6	104 5.0	399 7.4	125 5.0	95 5.2	392 7.7	7 2.0	9 3.5	6 2.0	22 2.4
COLUMN TOTAL	2871 27.8%	2066 20.0%	5380 52.1%	2524 26.8%	1810 19.2%	5071 53.9%	345 38.1%	254 28.1%	306 33.8%	905 100.0%
TECHNCNS										
0	1482 51.6%	1118 54.1%	2455 45.6%	1259 49.9%	936 51.7%	2274 44.8%	223 64.6%	180 70.9%	180 58.8%	583 64.4%
1	406 14.1	302 14.6	1048 19.5	354 14.0	273 15.1	991 19.5	51 14.8	29 11.4	56 18.3	136 15.0
2	273 9.5	192 9.3	621 11.5	244 9.7	172 9.5	586 11.6	29 8.4	20 7.9	35 11.4	84 9.3
3 TO 6	369 12.9	233 11.3	629 11.7	343 13.6	221 12.2	611 12.0	26 7.5	12 4.7	18 5.9	56 6.2
7 TO 20	196 6.8	141 6.8	348 6.5	186 7.4	137 7.6	334 6.6	9 2.6	4 1.6	14 4.6	27 3.0
21 OR MORE	145 5.1	80 3.9	279 5.2	138 5.5	71 3.9	275 5.4	7 2.0	9 3.5	3 1.0	19 2.1
COLUMN TOTAL	2871 27.8%	2066 20.0%	5380 52.1%	2524 26.8%	1810 19.2%	5071 53.9%	345 38.1%	254 28.1%	306 33.8%	905 100.0%
OTHERS										
0	2168 75.5%	1577 76.3%	3924 72.9%	1886 74.7%	1386 76.6%	3692 72.8%	280 81.2%	189 74.4%	230 75.2%	699 77.2%
1 TO 2	277 9.6	233 11.3	672 12.5	240 9.5	199 11.0	635 12.5	37 10.7	34 13.4	37 12.1	108 11.9
3 TO 20	224 7.8	157 7.6	573 10.7	208 8.2	134 7.4	538 10.6	16 4.6	23 9.1	34 11.1	73 8.1
21 OR MORE	202 7.0	99 4.8	211 3.9	190 7.5	91 5.0	206 4.1	12 3.5	8 3.1	5 1.6	25 2.8
COLUMN TOTAL	2871 27.8%	2066 20.0%	5380 52.1%	2524 26.8%	1810 19.2%	5071 53.9%	345 38.1%	254 28.1%	306 33.8%	905 100.0%

FULL-TIME EMPLOYED RESPONDENTS
BY NUMBER OF SUBORDINATES AND EMPLOYER

NUMBER OF SUBORDINATES	EMPLOYER										OTHER	ROW TOTAL	
	MANUFACTURING	NONMANUFACTURING	COLLEGE UNIVERSITY	HIGH SCH. OTHR SC.	FEDERAL GOVERNMT	STATE LOCL GOV	SELF-EMPLOYED	HOSPITAL, IND LAB, RES INST	NONPRFT RES INST				
PROFESNLS													
0	3091 53.0%	349 54.0%	1271 59.8%	96 77.4%	420 56.5%	118 54.6%	70 60.9%	86 51.5%	150 49.7%	43 59.7%	5694 55.0%		
1 TO 2	1055 18.1	90 13.9	279 13.1	4 3.2	120 16.1	42 19.4	26 22.6	19 11.4	49 16.2	14 19.4	1698 16.4		
3 TO 6	813 13.9	99 15.3	239 11.3	8 6.5	95 12.8	29 13.4	9 7.8	33 19.8	40 13.2	6 8.3	1371 13.3		
7 TO 20	525 9.0	67 10.4	187 8.8	10 8.1	72 9.7	29 9.3	3 2.6	16 9.6	42 13.9	5 6.9	947 9.2		
21 OR MORE	353 6.0	41 6.3	148 7.0	6 4.8	37 5.0	7 3.2	7 6.1	13 7.8	21 7.0	4 5.6	637 6.2		
COLUMN TOTAL	5837 56.4%	646 6.2%	2124 20.5%	124 1.2%	744 7.2%	216 2.1%	115 1.1%	167 1.6%	302 2.9%	72 0.7%	10347 100.0%		
TECHNCNS													
0	2498 42.8%	328 50.8%	1271 59.8%	114 91.9%	428 57.5%	121 56.0%	73 63.5%	54 32.3%	139 46.0%	44 61.1%	5070 49.0%		
1	1141 19.5	83 12.8	307 14.5	5 4.0	112 15.1	28 13.0	8 7.0	21 12.6	49 16.2	4 5.6	1758 17.0		
2	627 10.7	64 9.9	220 10.4	2 1.6	92 12.4	20 9.3	14 12.2	9 5.4	33 10.9	8 11.1	1089 10.5		
3 TO 6	794 13.6	80 12.4	181 8.5	1 0.8	59 7.9	28 13.0	8 7.0	30 18.0	49 16.2	4 5.6	1234 11.9		
7 TO 20	477 8.2	49 7.6	59 2.8	0 0.0	30 4.0	14 6.5	4 3.5	31 18.6	18 6.0	8 11.1	690 6.7		
21 OR MORE	300 5.1	42 6.5	86 4.0	2 1.6	23 3.1	5 2.3	8 7.0	22 13.2	14 4.6	4 5.6	506 4.9		
COLUMN TOTAL	5837 56.4%	646 6.2%	2124 20.5%	124 1.2%	744 7.2%	216 2.1%	115 1.1%	167 1.6%	302 2.9%	72 0.7%	10347 100.0%		
OTHERS													
0	4555 78.0%	478 74.0%	1332 62.7%	110 88.7%	596 80.1%	162 75.0%	70 60.9%	117 70.1%	225 74.5%	48 66.7%	7693 74.4%		
1 TO 2	591 10.1	84 13.0	306 14.4	4 3.2	82 11.0	29 13.4	17 14.8	19 11.4	41 13.6	11 15.3	1184 11.4		
3 TO 20	377 6.5	52 8.0	390 18.4	3 2.4	43 5.8	20 9.3	21 18.3	19 11.4	22 7.3	9 12.5	956 9.2		
21 OR MORE	314 5.4	32 5.0	96 4.5	7 5.6	23 3.1	5 2.3	7 6.1	12 7.2	14 4.6	4 5.6	514 5.0		
COLUMN TOTAL	5837 56.4%	646 6.2%	2124 20.5%	124 1.2%	744 7.2%	216 2.1%	115 1.1%	167 1.6%	302 2.9%	72 0.7%	10347 100.0%		

TABLE A-14
FULL-TIME EMPLOYED RESPONDENTS

BY NUMBER OF SUBORDINATES AND WORK FUNCTION

NUMBER OF SUBORDINATES	WORK FUNCTION										ROW TOTAL		
	R&D MGMT. ADMINIS	BASIC RESEARCH	APPLIED R&D	GEN MGMT. ADMINIS	TEACHING, RESRCH	MKT, SALE, PRD. QUAL PUR, TCH CONTROL	FORENSIC, LAB ANL ST, LIBRY	WRITEAB- DATA PRO-CESSING	PRO-CONSULT- ING	OTHER			
PROFESNLS													
0	148 9.9%	659 65.5%	1912 70.1%	238 25.1%	1173 63.5%	382 66.3%	487 67.1%	256 67.9%	109 74.1%	54 85.7%	74 52.9%	202 67.3%	5694 55.0%
1 TO 2	205 13.8	222 22.1	529 19.4	162 17.1	219 11.9	89 15.5	116 16.0	70 18.6	16 10.9	5 7.9	20 14.3	45 15.0	1698 16.4
3 TO 6	417 28.0	84 8.3	226 8.3	193 20.4	215 11.6	60 10.4	65 9.0	37 9.8	13 8.8	4 6.3	26 18.6	31 10.3	1371 13.3
7 TO 20	446 29.9	27 2.7	40 1.5	184 19.4	150 8.1	28 4.9	40 5.5	5 1.3	5 3.4	0 0.0	8 5.7	14 4.7	947 9.2
21 OR MORE	274 18.4	14 1.4	19 0.7	171 18.0	91 4.9	17 3.0	18 2.5	9 2.4	4 2.7	0 0.0	12 8.6	8 2.7	637 6.2
COLUMN TOTAL	1490 14.4%	1006 9.7%	2726 26.3%	948 9.2%	1848 17.9%	576 5.6%	726 7.0%	377 3.6%	147 1.4%	63 0.6%	140 1.4%	300 2.9%	10347 100.0%
TECHNCNS													
0	338 22.7%	507 50.4%	1118 41.0%	413 43.6%	1215 65.7%	448 77.8%	329 45.3%	199 52.8%	122 83.0%	49 77.8%	94 67.1%	238 79.3%	5070 49.0%
1	116 7.8	260 25.8	828 30.4	61 6.4	244 13.2	50 8.7	87 12.0	70 18.6	7 4.8	7 11.1	10 7.1	18 6.0	1758 17.0
2	126 8.5	141 14.0	416 15.3	64 6.8	162 8.8	30 5.2	73 10.1	39 10.3	5 3.4	4 6.3	14 10.0	15 5.0	1089 10.5
3 TO 6	379 25.4	74 7.4	295 10.8	152 16.0	130 7.0	20 3.5	114 15.7	42 11.1	7 4.8	1 1.6	8 5.7	12 4.0	1234 11.9
7 TO 20	329 22.1	13 1.3	45 1.7	144 15.2	32 1.7	13 2.3	85 11.7	16 4.2	3 2.0	1 1.6	4 2.9	5 1.7	690 6.7
21 OR MORE	202 13.6	11 1.1	24 0.9	114 12.0	65 3.5	15 2.6	38 5.2	21 5.6	3 2.0	1 1.6	10 7.1	12 4.0	506 4.9
COLUMN TOTAL	1490 14.4%	1006 9.7%	2726 26.3%	948 9.2%	1848 17.9%	576 5.6%	726 7.0%	377 3.6%	147 1.4%	63 0.6%	140 1.4%	300 2.9%	10347 100.0%
OTHERS													
0	893 59.9%	881 87.6%	2573 94.4%	374 39.5%	1193 64.6%	426 74.0%	561 77.3%	328 87.0%	99 67.3%	57 90.5%	103 73.6%	205 68.3%	7693 74.4%
1 TO 2	306 20.5	86 8.5	97 3.6	162 17.1	245 13.3	95 16.5	69 9.5	74 21.8	32 21.8	3 4.8	22 15.7	58 19.3	1184 11.4
3 TO 20	205 13.8	24 2.4	31 1.1	204 21.5	331 17.9	36 6.3	68 9.4	14 3.7	10 6.8	3 4.8	6 4.3	24 8.0	956 9.2
21 OR MORE	86 5.8	15 1.5	25 0.9	208 21.9	79 4.3	19 3.3	47 6.5	7 1.9	6 4.1	0 0.0	9 6.4	13 4.3	514 5.0
COLUMN TOTAL	1490 14.4%	1006 9.7%	2726 26.3%	948 9.2%	1848 17.9%	576 5.6%	726 7.0%	377 3.6%	147 1.4%	63 0.6%	140 1.4%	300 2.9%	10347 100.0%

TABLE A-15

AVERAGE YEARS OF EXPERIENCE OF FULL-TIME EMPLOYED CHEMISTS

BY WORK FUNCTION AND DEGREE

WORK FUNCTION	HIGHEST DEGREE EARNED			ROW TOTAL
	BACHLORS	MASTERS	DOCTORS	
R&D MGMT, ADMINIS	MEAN 24.85 COUNT 265	23.53 213	19.93 810	21.54 1288
BASIC RESEARCH	12.17 147	16.38 140	13.45 704	13.67 991
APPLIED R&D	16.63 634	17.31 499	13.77 1248	15.27 2381
GEN MGMT,ADMINIS	22.68 303	20.36 142	21.66 289	21.83 734
TEACHING,RESRCH	12.41 39	16.93 203	16.29 1495	16.28 1737
MKT,SALE,PUR,TCH	21.71 249	20.22 115	16.76 95	20.31 459
PRD,QUAL CONTROL	14.78 399	16.88 158	12.76 79	15.05 636
FORENSIC,LAB ANL	13.05 210	13.91 94	13.43 70	13.34 374
WRITE,ABST,LIBRY	20.68 41	20.88 32	19.86 35	20.47 108
DATA PROCESSING	11.61 18	11.06 16	14.61 18	12.48 52
CONSULTING	21.86 29	21.87 23	23.94 33	22.67 85
OTHER	17.22 89	18.69 51	17.23 70	17.58 210
COLUMN	MEAN 17.97 COUNT 2423	18.31 1686	16.16 4946	17.04 5055

TABLE A-16

AVERAGE YEARS OF EXPERIENCE OF FULL-TIME EMPLOYED CHEMISTS

BY WORK FUNCTION AND DEGREE - MEN

WORK FUNCTION	HIGHEST DEGREE EARNED			ROW TOTAL
	BACHLORS	MASTERS	DOCTORS	
R&D MGMT, ADMINIS	24.92 256	23.71 204	20.05 796	21.64 1256
BASIC RESEARCH	12.25 106	17.72 108	13.62 639	13.96 853
APPLIED R&D	17.56 547	18.21 442	13.94 1205	15.70 2194
GEN MGMT,ADMINIS	23.24 280	20.70 132	22.13 274	22.31 686
TEACHING,RESRCH	10.26 27	17.59 147	16.54 1368	16.53 1542
MKT,SALE,PUR,TCH	22.48 232	20.45 113	17.16 91	20.84 436
PRD,QUAL CONTROL	15.82 342	17.46 147	13.01 76	15.87 565
FORENSIC,LAB ANL	13.62 176	13.57 76	13.91 64	13.67 316
WRITE,ABST,LIBRY	21.29 17	21.00 16	19.31 29	20.29 62
DATA PROCESSING	12.73 11	12.07 14	14.88 16	13.34 41
CONSULTING	23.36 25	21.87 23	23.94 33	23.17 81
OTHER	18.35 72	19.83 41	17.48 63	18.38 176
COLUMN MEAN COUNT	18.89 2091	19.03 1463	16.39 4654	17.50 8208

TABLE A-17

AVERAGE YEARS OF EXPERIENCE OF FULL-TIME EMPLOYED CHEMISTS

BY WORK FUNCTION AND DEGREE - WOMEN

WORK FUNCTION	HIGHEST DEGREE EARNED			ROW TOTAL
	BACHLORS	MASTERS	DOCTORS	
R&D MGMT, ADMINIS	22.89 9	19.33 9	12.71 14	17.44 32
BASIC RESEARCH	11.98 41	11.84 32	11.80 65	11.86 138
APPLIED R&D	10.72 87	10.35 57	9.19 43	10.26 187
GEN MGMT, ADMINIS	15.83 23	15.80 10	13.13 15	14.98 48
TEACHING, RESRCH	17.25 12	15.18 56	13.61 127	14.28 195
MKT, SALE, PUR, TCH	11.29 17	7.00 2	7.50 4	10.26 23
PRD, QUAL CONTROL	8.51 57	9.18 11	6.33 3	8.52 71
FORENSIC, LAB ANL	10.06 34	15.39 18	8.33 6	11.53 58
WRITE, ABST, LIBRY	20.25 24	20.75 16	22.50 6	20.72 46
DATA PROCESSING	9.86 7	4.00 2	12.50 2	9.27 11
CONSULTING	12.50 4	0.0 0	0.0 0	12.50 4
OTHER	12.47 17	14.00 10	15.00 7	13.44 34
COLUMN MEAN COUNT	12.16 332	13.56 223	12.43 292	12.62 847

TABLE B-1

EMPLOYMENT STATUS OF RESPONDENTS

BY HIGHEST DEGREE EARNED

EMPLOYMENT STATUS	HIGHEST DEGREE EARNED				LESS THAN BS	ROW TOTAL
	BACHLORS	MASTERS	DOCTORS	LESS THAN BS		
FULLTIME NOT SEEKI	2640 86.9%	1897 86.2%	4926 85.1%	27 84.4%		9490 85.8%
FULLTIME SEEKING	239 7.9	174 7.9	461 8.0	3 9.4		877 7.9
PARTTIME SEEKING	8 0.3	7 0.3	18 0.3	0 0.0		33 0.3
PRITIME NOT SEEK	17 0.6	20 0.9	37 0.6	1 3.1		75 0.7
POSTDGC, FELLOW	2 0.1	4 0.2	201 3.5	0 0.0		207 1.9
UNEMPLYD SEEKING	45 1.5	42 1.9	66 1.1	0 0.0		153 1.4
UNEMPLD NOT SEEK	24 0.8	17 0.8	23 0.4	0 0.0		64 0.6
RETIRED SEEKG FT	6 0.2	0 0.0	2 0.0	0 0.0		8 0.1
RETIRED SEEKG PT	13 0.4	7 0.3	13 0.2	0 0.0		33 0.3
RETIRED NOT SEEK	43 1.4	33 1.5	42 0.7	1 3.1		119 1.1
COLUMN TOTAL	3037 27.5%	2201 19.9%	5785 52.3%	32 0.3%		11059 100.0%

EMPLOYMENT STATUS OF RESPONDENTS

MEN BY HIGHEST DEGREE EARNED

EMPLOYMENT STATUS	HIGHEST DEGREE EARNED					LESS THAN BS	ROW TOTAL
	BACHLORS	MASTERS	DOCTORS	LESS THAN BS	ROW TOTAL		
FULLTIME NOT SEEK	2324 87.8%	1665 87.4%	4659 86.2%	23 82.1%	8671 86.9%		
FULLTIME SEEKING	206 7.8	150 7.9	415 7.8	3 10.7	778 7.8		
PARTTIME SEEKING	5 0.2	5 0.3	12 0.2	0 0.0	22 0.2		
PRTTIME NOT SEEK	8 0.3	4 0.2	22 0.4	1 3.6	35 0.4		
POSTDOC, FELLOW	1 0.0	3 0.2	166 3.1	0 0.0	170 1.7		
UNEMPLYD SEEKING	37 1.4	30 1.6	56 1.0	0 0.0	123 1.2		
UNEMPLD NOT SEEK	8 0.3	10 0.5	16 0.3	0 0.0	34 0.3		
RETIRED SEEKG FT	6 0.2	0 0.0	2 0.0	0 0.0	8 0.1		
RETIRED SEEKG PT	15 0.5	7 0.4	12 0.2	0 0.0	32 0.3		
RETIRED NOT SEEK	40 1.5	30 1.6	38 0.7	1 3.6	109 1.1		
COLUMN TOTAL	2648 26.5%	1904 19.1%	5402 54.1%	28 0.3%	9982 100.0%		

TABLE B-3

EMPLOYMENT STATUS OF RESPONDENTS

WOMEN BY HIGHEST DEGREE EARNED

EMPLOYMENT STATUS	HIGHEST DEGREE EARNED					ROW TOTAL
	BACHLORS	MASTERS	DOCTORS	LESS THAN BS		
FULLTIME NOT SEEK	314 81.1%	230 78.0%	264 68.8%	4 100.0%	812 75.9%	
FULLTIME SEEKING	33 8.5	24 8.1	42 10.9	0 0.0	99 9.3	
PARTTIME SEEKING	3 0.8	2 0.7	6 1.6	0 0.0	11 1.0	
PRTTIME NOT SEEK	9 2.3	16 5.4	15 3.9	0 0.0	40 3.7	
POSTDOC, FELLOW	1 0.3	1 0.3	35 9.1	0 0.0	37 3.5	
UNEMPLYD SEEKING	8 2.1	12 4.1	10 2.6	0 0.0	30 2.8	
UNEMPLD NOT SEEK	16 4.1	7 2.4	7 1.8	0 0.0	30 2.8	
RETIRED SEEKG PT	0 0.0	0 0.0	1 0.3	0 0.0	1 0.1	
RETIRED NOT SEEK	3 0.8	1 1.0	4 1.0	0 0.0	10 0.9	
COLUMN TOTAL	387 36.2%	295 27.6%	384 35.9%	4 0.4%	1070 100.0%	

TABLE B-4

EMPLOYMENT STATUS OF RESPONDENTS

BY FIELD OF HIGHEST DEGREE

EMPLOYMENT STATUS	FIELD OF HIGHEST DEGREE													TOTAL
	ANALYTICAL	INORGANIC	ORGANIC	POLYMER, MACROMOL	PHYSICAL, THEORET	BIOCHEMISTRY	AGRICULTURE, FOOD	PHARMACEUTICALS, MED, CLN	CHEMICAL ENGRNG	CHEMISTRY, GENERAL	CHEMISTRY, OTHER	CHEMISTRY, NON-CHEMICAL	ROM	
FULLTIME NOT SEEKING	823 85.8%	578 82.9%	2498 86.9%	196 87.9%	1077 85.5%	682 78.8%	109 83.8%	167 84.3%	1042 89.6%	1542 86.6%	220 83.3%	556 86.6%	9490 85.8%	
FULLTIME SEEKING	83 8.7	69 9.9	200 7.0	18 8.1	107 8.5	83 9.6	11 8.5	12 6.6	62 5.3	157 8.8	22 8.3	52 8.1	877 7.9	
PARTTIME SEEKING	0	2	8	0	9	5	0	0	0	7	1	1	33	
PRTTIME NOT SEEKING	9 0.9	10 1.0	15 0.7	1 0.4	3 0.2	9 1.0	0	3 1.5	5 0.4	17 0.7	0	1	75	
PGSTDDC, FELLOW	7 0.7	19 2.7	61 2.1	2 0.9	27 2.1	57 6.6	1 0.8	11 5.6	4 0.3	3 0.2	11 4.2	4 0.6	207 1.9	
UNEMPLD SEEKING	17 1.8	9 1.3	35 1.2	3 1.3	16 1.3	14 1.6	3 2.3	3 1.5	12 1.0	26 1.5	8 3.0	7 1.1	153 1.4	
UNEMPLD NOT SEEKING	5 0.5	7 1.0	18 0.6	2 0.9	5 0.4	6 0.7	0	0	2 0.2	15 0.8	1 0.4	3 0.5	64 0.6	
RETIRED SEEKING FT	0	1	2	0	0	1	0	0	0	1	0	1	8	
RETIRED SEEKING PT	1 0.1	0	10 0.3	1 0.4	1 0.1	2 0.2	1 1.5	1 0.5	8 0.8	5 0.3	0	1	33 0.3	
RETIRED NOT SEEKING	14 1.5	5 0.7	25 0.9	0	15 1.2	7 0.8	4 3.1	0	25 2.1	13 0.7	1 0.4	10 1.6	119 1.1	
COLUMN TOTAL	959 8.7%	697 6.3%	2876 26.0%	223 2.0%	1260 11.4%	866 7.8%	130 1.2%	198 1.8%	1163 10.5%	1781 16.1%	264 2.4%	642 5.8%	11059 100.0%	

TABLE B-5

EMPLOYMENT STATUS OF RESPONDENTS

BY AGE

EMPLOYMENT STATUS	AGE										ROW TOTAL
	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64		
FULLTIME NOT SEEK	97 80.2%	586 74.9%	1160 78.2%	1423 84.7%	1073 87.9%	1099 89.7%	1193 91.6%	1131 92.3%	701 83.6%	8463 85.6%	
FULLTIME SEEKING	17 14.0	87 11.1	197 13.3	167 9.9	111 9.1	80 6.5	73 5.6	45 3.7	14 1.7	791 8.0	
PARTTIME SEEKING	2 1.7	4 0.5	7 0.5	2 0.1	2 0.2	4 0.3	5 0.4	1 0.1	1 0.1	28 0.3	
PRTIME NOT SEEK	1 0.8	9 1.2	6 0.4	15 0.9	11 0.9	8 0.7	2 0.2	6 0.5	14 1.7	72 0.7	
POSTDGC, FELLOW	1 0.8	73 9.3	83 5.6	27 1.6	5 0.4	4 0.3	1 0.1	0 0.0	0 0.0	194 2.0	
UNEMPLYD SEEKING	2 1.7	18 2.3	19 1.3	34 2.0	13 1.1	20 1.6	11 0.8	15 1.2	8 1.0	140 1.4	
UNEMPLD NOT SEEK	1 0.8	5 0.6	11 0.7	13 0.8	6 0.5	6 0.5	7 0.5	3 0.2	5 0.6	57 0.6	
RETIRED SEEKG FT	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	2 0.2	3 0.2	2 0.2	7 0.1	
RETIRED SEEKG PT	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	3 0.2	4 0.3	20 2.4	27 0.3	
RETIRED NOT SEEK	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	4 0.3	6 0.5	18 1.5	74 8.8	102 1.0	
COLUMN TOTAL	121 1.2%	782 7.9%	1483 15.0%	1681 17.0%	1221 12.4%	1225 12.4%	1302 13.2%	1226 12.4%	839 8.5%	9881 100.0%	

EMPLOYMENT STATUS OF RESPONDENTS

BY MINORITY GROUP CLASSIFICATION

EMPLOYMENT STATUS	MINORITY CLASSIFICATION					NON-MINORITY	ROW TOTAL
	BLACK	AMERICAN INDIAN	ASIAN	HISPANIC			
FULLTIME NOT SEEK	89 80.9%	12 92.3%	378 75.0%	64 79.0%	8751 86.6%	9294 85.9%	
FULLTIME SEEKING	17 15.5	0 0.0	80 15.9	13 16.0	739 7.3	849 7.9	
PARTTIME SEEKING	0 0.0	0 0.0	2 0.4	0 0.0	31 0.3	33 0.3	
PRITIME NOT SEEK	1 0.9	1 7.7	3 0.6	0 0.0	69 0.7	74 0.7	
POSTDOC, FELLOW	0 0.0	0 0.0	27 5.4	0 0.0	176 1.7	203 1.9	
UNEMPLYD SEEKING	3 2.7	0 0.0	9 1.8	2 2.5	130 1.3	144 1.3	
UNEMPLD NOT SEEK	0 0.0	0 0.0	4 0.8	1 1.2	57 0.6	62 0.6	
RETIRED SEEKG FT	0 0.0	0 0.0	0 0.0	0 0.0	7 0.1	7 0.1	
RETIRED SEEKG PT	0 0.0	0 0.0	0 0.0	1 1.2	32 0.3	33 0.3	
RETIRED NOT SEEK	0 0.0	0 0.0	1 0.2	0 0.0	114 1.1	115 1.1	
COLUMN TOTAL	110 1.0%	13 0.1%	504 4.7%	81 0.7%	10106 93.5%	10814 100.0%	

TABLE B-7
EMPLOYMENT STATUS OF RESPONDENTS

BY CITIZENSHIP

EMPLOYMENT STATUS	CITIZENSHIP			ROW TOTAL
	U.S.	NON-U.S.	OTHER VISA	
FULLTIME NOT SEEK	9167 86.4%	268 74.0%	18 36.7%	9453 85.8%
FULLTIME SEEKING	806 7.6	62 17.1	5 10.2	873 7.9
PARTTIME SEEKING	32 0.3	1 0.3	0 0.0	33 0.3
PRTTIME NCT SEEK	72 0.7	1 0.3	1 2.0	74 0.7
POSTDOC, FELLOW	161 1.5	22 6.1	24 49.0	207 1.9
UNEMPLYD SEEKING	148 1.4	5 1.4	0 0.0	153 1.4
UNEMPLD NOT SEEK	60 0.6	2 0.6	1 2.0	63 0.6
RETIRED SEEKG FT	8 0.1	0 0.0	0 0.0	8 0.1
RETIRED SEEKG PT	33 0.3	0 0.0	0 0.0	33 0.3
RETIRED NOT SEEK	117 1.1	1 0.3	0 0.0	118 1.1
COLUMN TOTAL	10604 96.3%	362 5.3%	49 0.4%	11015 100.0%

TABLE B-8

EMPLOYMENT STATUS OF RESPONDENTS

BY PRESENT OR MOST RECENT EMPLOYER

EMPLOYMENT STATUS	EMPLOYER											ROW TOTAL
	MANUFAC- TURING	NONMANU- FACTURING	COLLEGE, UNIVRSITY	HIGH SCH, OTHR SC	FEDERAL GOVERNMT	STATE, LOCL GOV	SELF- EMPLOYED	HOSPITAL, IND LAB	NONPRFT RES INST	OTHER		
FULLTIME NOT SEEK	5432 89.5%	596 89.0%	1896 79.1%	109 80.7%	684 82.9%	185 81.1%	110 88.0%	138 76.2%	276 83.9%	62 74.7%	9488 85.9%	
FULLTIME SEEKING	418 6.9	51 7.6	228 9.5	15 11.1	60 7.3	32 14.0	5 4.0	29 16.0	27 8.2	11 13.3	876 7.9	
PARTTIME SEEKING	3 0.0	3 0.4	20 0.8	0 0.0	3 0.4	0 0.0	1 0.8	0 0.0	0 0.0	1 1.2	31 0.3	
PRRTIME NOT SEEK	22 0.4	3 0.4	25 1.0	4 3.0	8 1.0	2 0.9	3 2.4	4 2.2	3 0.9	0 0.0	74 0.7	
PGSTD DOC, FELLOW	3 0.0	0 0.0	170 7.1	1 0.7	14 1.7	2 0.9	0 0.0	5 2.8	12 3.6	0 0.0	207 1.9	
UNEMPLYD SEEKING	72 1.2	12 1.8	35 1.5	2 1.5	7 0.8	4 1.8	1 0.8	4 2.2	6 1.8	6 7.2	149 1.3	
UNEMPLD NOT SEEK	31 0.5	1 0.1	14 0.6	3 2.2	7 0.8	2 0.9	0 0.0	1 0.6	2 0.6	0 0.0	61 0.6	
RETIRED SEEKG FT	4 0.1	0 0.0	0 0.0	0 0.0	4 0.5	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	8 0.1	
RETIRED SEEKG PT	19 0.3	0 0.0	0 0.0	0 0.0	8 1.0	0 0.0	5 4.0	0 0.0	0 0.0	1 1.2	33 0.3	
RETIRED NOT SEEK	68 1.1	4 0.6	8 0.3	1 0.7	30 3.6	1 0.4	0 0.0	0 0.0	3 0.9	2 2.4	117 1.1	
COLUMN TOTAL	6072 55.0%	670 6.1%	2356 21.7%	135 1.2%	825 7.5%	228 2.1%	125 1.1%	181 1.6%	329 3.0%	83 0.8%	11044 100.0%	

TABLE B-9

EMPLOYMENT STATUS OF RESPONDENTS

BY PRESENT OR MOST RECENT WORK FUNCTION

EMPLOYMENT STATUS	WORK FUNCTION										ROW TOTAL		
	R&D MGMT, ADMINIS	BASIC RESEARCH	APPLIED R&D	GEN MGMT, ADMINIS	TEACHING, RESRCH	MKT, PUR, SALE, PRD, QUAL CONTROL	FORENSIC, LAB ANL	WRITE, AB- ST, LIBRY	DATA PRO-CESSING	PRO-CONSULT-ING		OTHER	
FULLTIME NOT SEEK	1427 92.4%	906 72.6%	2488 87.4%	900 91.6%	1670 86.4%	536 90.5%	620 81.0%	324 80.6%	139 82.7%	55 85.9%	130 78.3%	281 88.1%	9476 85.9%
FULLTIME SEEKING	63 4.1	100 8.0	241 8.5	48 4.9	178 9.2	40 6.8	106 13.2	53 13.2	8 4.8	12.5	10 6.0	19 6.0	874 7.9
PARTIME SEEKING	0.1	0.6	0.1	0.2	1.4	0.0	0.0	0.2	0.6	0.0	0.0	0.6	3.3
PRTIME NOT SEEK	0.2	0.8	0.2	0.4	1.3	0.3	0.3	1.0	3.6	0.0	3.6	1.6	7.5
POSTDOC, FELLOW	0	180 14.4	15 0.5	0	9	0	0	0.2	0	0	0	0	206 1.9
UNEMPLD SEEKING	11 0.7	21 1.7	50 1.8	8 0.8	17 0.9	1.0	16 2.1	10 2.5	5 3.0	0	3	0.9	150 1.4
UNEMPLD NOT SEEK	6 0.4	9 0.7	10 0.4	3 0.3	10 0.5	0.3	9 1.2	8 2.0	3 1.8	0	0	0	60 0.5
RETIRED SEEKG FT	1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	8
RETIRED SEEKG PT	7 0.5	2 0.2	3 0.1	0	1	0.3	3 0.4	0	0	0	11	4	33 0.3
RETIRED NOT SEEK	25 1.6	10 0.8	26 0.9	17 1.7	8 0.4	4 0.7	9 1.2	1 0.2	5 3.0	1.6	5	1.6	116 1.1
COLUMN TOTAL	1544 14.0%	1248 11.3%	2847 25.8%	983 8.9%	1933 17.5%	592 5.4%	765 6.9%	402 3.6%	168 1.5%	64 0.6%	166 1.5%	319 2.9%	11031 100.0%

TABLE B-10

EMPLOYMENT STATUS OF RESPONDENTS

BY PRESENT OR MOST RECENT WORK SPECIALTY

EMPLOYMENT STATUS	WORK SPECIALTY											ROW TOTAL	
	ANALYTICAL	INORGANIC	ORGANIC	POLYMER, MACROMOL	PHYSICAL, THEORET	BIOCHEMISTRY	AGRICULTURE, FOOD	PHARMA, MED, CLN	CHEMICAL ENGRNG	CHEMISTRY, GENERAL	CHEMISTRY, OTHER		NON-CHEMICAL
FULLTIME NOT SEEK	1488 86.3%	372 83.0%	1250 85.0%	1061 90.3%	480 85.1%	586 76.6%	368 88.0%	628 85.2%	903 88.9%	688 87.0%	973 84.5%	693 86.8%	9490 85.8%
FULLTIME SEEKING	156 9.0	40 8.9	117 8.0	79 6.7	40 7.1	78 10.2	22 5.3	60 8.1	62 6.1	54 6.8	111 9.6	58 7.3	877 7.9
PARTTIME SEEKING	2	2	4	2	6	4	1	1	0	8	0	2	33
PRTIME NOT SEEK	9	2	10	1	1	8	3	7	5	9	11	9	75
POSTDCC, FELLOW	0.5	15 3.3	43 2.5	4 0.3	23 4.1	70 9.2	4	2.2	6	0	1.2	3	207 1.9
UNEMPLD SEEKING	24 1.4	10 2.2	18 1.2	12 1.0	9	9	5	1.6	9	1.5	2.0	12	153 1.4
UNEMPLD NOT SEEK	13 0.8	2	9	1	2	6	3	4	3	10	6	5	64 0.6
RETIRED SEEKG FT	0	1	1	2	0	1	0	0	0	0	0	3	8
RETIRED SEEKG PT	3	0	4	2	0	1	5	3	10	2	3	0	33
RETIRED NOT SEEK	21 1.2	4	14	11	3	4	7	6	18	8	10	13	119 1.1
COLUMN TOTAL	1725 15.6%	448 4.1%	1470 13.3%	1175 10.6%	564 5.1%	765 6.9%	418 3.8%	737 6.7%	1016 9.2%	791 7.2%	1152 10.4%	798 7.2%	11059 100.0%

TABLE B-11

EMPLOYMENT STATUS OF RESPONDENTS

BY GEOGRAPHIC REGION OF RESIDENCE

EMPLOYMENT STATUS	GEOGRAPHIC REGION										ROW TOTAL
	PACIFIC	MOUNTAIN	WEST NO. CENTRAL	WEST SO. CENTRAL	EAST NO. CENTRAL	EAST SO. CENTRAL	MIDDLE ATLANTIC	SOUTH ATLANTIC	NEW ENGLAND		
FULLTIME NOT SEEK	897 81.8%	288 82.5%	531 85.0%	677 88.6%	1830 86.0%	323 88.5%	2076 86.5%	1319 85.8%	605 85.0%		8546 85.7%
FULLTIME SEEKING	86 7.8	25 7.2	53 8.5	58 7.6	188 8.8	15 4.1	201 8.4	118 7.7	53 7.4		797 8.0
PARTTIME SEEKING	7 0.6	2 0.6	1 0.2	1 0.1	5 0.2	0 0.0	6 0.3	3 0.2	3 0.4		28 0.3
PRITIME NOT SEEK	15 1.4	4 1.1	8 1.3	2 0.3	11 0.5	3 0.8	12 0.5	13 0.8	4 0.6		72 0.7
POSTDOC, FELLOW	32 2.9	9 2.6	12 1.9	15 2.0	43 2.0	9 2.5	26 1.1	22 1.4	25 3.5		193 1.9
UNEMPLYD SEEKING	29 2.6	6 1.7	10 1.6	6 0.8	23 1.1	3 0.8	32 1.3	23 1.5	13 1.8		145 1.5
UNEMPLD NOT SEEK	7 0.6	4 1.1	3 0.5	1 0.1	12 0.6	4 1.1	17 0.7	8 0.5	3 0.4		59 0.6
RETIRED SEEKG FT	0 0.0	1 0.3	0 0.0	0 0.0	0 0.0	1 0.3	3 0.1	1 0.1	1 0.1		7 0.1
RETIRED SEEKG PT	6 0.5	1 0.3	0 0.0	2 0.3	5 0.2	0 0.0	6 0.3	6 0.4	1 0.1		27 0.3
RETIRED NOT SEEK	18 1.6	9 2.6	7 1.1	2 0.3	10 0.5	7 1.9	21 0.9	24 1.6	4 0.6		102 1.0
COLUMN TOTAL	1097 11.0%	349 3.5%	625 6.3%	764 7.7%	2127 21.3%	365 3.7%	2400 24.1%	1537 15.4%	712 7.1%		9976 100.0%

See page 141 for list of states by geographic region.

TABLE C-1

LENGTH OF UNEMPLOYMENT OF RESPONDENTS
UNEMPLOYED ANY TIME DURING YEAR ENDING MARCH 1, 1978
BY HIGHEST DEGREE EARNED

LENGTH OF UNEMPLOYMENT	HIGHEST DEGREE EARNED				ROW TOTAL
	BACHLORS	MASTERS	DOCTORS	LESS THAN BS	
0 TO 1 MONTHS	32 21.2%	18 18.6%	28 16.0%	0 0.0%	78 18.4%
1 TO 2 MONTHS	16 10.6	18 18.6	19 10.9	0 0.0	53 12.5
2 TO 3 MONTHS	28 18.5	8 8.2	30 17.1	0 0.0	66 15.6
3 TO 6 MONTHS	37 24.5	23 23.7	32 18.3	0 0.0	92 21.7
6 TO 12 MONTHS	26 17.2	19 19.6	44 25.1	0 0.0	89 21.0
12 TO 18 MONTHS	6 4.0	2 2.1	10 5.7	1 100.0	19 4.5
18 TO 24 MONTHS	4 2.6	5 5.2	1 0.6	0 0.0	10 2.4
24 TO 36 MONTHS	0 0.0	3 3.1	3 1.7	0 0.0	6 1.4
36 OR MORE	2 1.3	1 1.0	8 4.6	0 0.0	11 2.6
COLUMN TOTAL	151 35.6%	97 22.9%	175 41.3%	1 0.2%	424 100.0%

TABLE C-2

LENGTH OF UNEMPLOYMENT OF RESPONDENTS

UNEMPLOYED ANY TIME DURING YEAR ENDING MARCH 1, 1978

MEN BY HIGHEST DEGREE EARNED

LENGTH OF UNEMPLOYMENT	HIGHEST DEGREE EARNED				ROW TOTAL
	BACHLORS	MASTERS	DOCTORS	LESS THAN BS	
0 TO 1 MONTHS	28 24.3%	17 21.8%	26 17.4%	0 0.0%	71 20.7%
1 TO 2 MONTHS	10 8.7	15 19.2	14 9.4	0 0.0	39 11.4
2 TO 3 MONTHS	18 15.7	4 5.1	21 14.1	0 0.0	43 12.5
3 TO 6 MONTHS	30 26.1	18 23.1	26 17.4	0 0.0	74 21.6
6 TO 12 MONTHS	19 16.5	15 19.2	43 28.9	0 0.0	77 22.4
12 TO 18 MONTHS	6 5.2	2 2.6	9 6.0	1 100.0	18 5.2
18 TO 24 MONTHS	2 1.7	4 5.1	1 0.7	0 0.0	7 2.0
24 TO 36 MONTHS	0 0.0	2 2.6	2 1.3	0 0.0	4 1.2
36 OR MORE	2 1.7	1 1.3	7 4.7	0 0.0	10 2.9
COLUMN TOTAL	115 33.5%	78 22.7%	149 43.4%	1 0.3%	343 100.0%

TABLE C-3

LENGTH OF UNEMPLOYMENT OF RESPONDENTS
UNEMPLOYED ANY TIME DURING YEAR ENDING MARCH 1, 1978
WOMEN BY HIGHEST DEGREE EARNED

LENGTH OF UNEMPLOYMENT	HIGHEST DEGREE EARNED			ROW TOTAL
	BACHLORS	MASTERS	DOCTORS	
0 TO 1 MONTHS	4 11.1%	1 5.3%	2 7.7%	7 8.6%
1 TO 2 MONTHS	6 16.7	3 15.8	5 19.2	14 17.3
2 TO 3 MONTHS	10 27.8	4 21.1	9 34.6	23 28.4
3 TO 6 MONTHS	7 19.4	5 26.3	6 23.1	18 22.2
6 TO 12 MONTHS	7 19.4	4 21.1	1 3.8	12 14.8
12 TO 18 MONTHS	0 0.0	0 0.0	1 3.8	1 1.2
18 TO 24 MONTHS	2 5.6	1 5.3	0 0.0	3 3.7
24 TO 36 MONTHS	0 0.0	1 5.3	1 3.8	2 2.5
36 OR MORE	0 0.0	0 0.0	1 3.8	1 1.2
COLUMN TOTAL	36 44.4%	19 23.5%	26 32.1%	81 100.0%

TABLE C-4

LENGTH OF UNEMPLOYMENT OF RESPONDENTS UNEMPLOYED ANY TIME DURING YEAR ENDING MARCH 1, 1978

BY FIELD OF HIGHEST DEGREE

LENGTH OF UNEMPLOYMENT	FIELD OF HIGHEST DEGREE													ROW TOTAL
	ANALYTICAL	INORGANIC	ORGANIC	POLYMER, MACROMOL	PHYSICAL, THEORET	BIOCHEMISTRY	AGRICULT, FOOD	PHARMA, MED, CLN	CHEMICAL ENGRNG	CHEMISTRY, GENERAL	CHEMISTRY, OTHER	CHEMISTRY, NON-CHEMICAL	ROW TOTAL	
0 TO 1 MONTHS	5 13.5%	5 27.8%	15 16.3%	1 16.7%	5 10.6%	4 13.8%	1 14.3%	2 25.0%	7 23.3%	20 19.8%	8 34.8%	5 19.2%	78 18.4%	
1 TO 2 MONTHS	5 13.5	1 5.6	6 6.5	1 16.7	6 12.8	6 20.7	2 28.6	3 37.5	0 0.0	14 13.9	4 17.4	5 19.2	53 12.5	
2 TO 3 MONTHS	7 18.9	3 16.7	17 18.5	0 0.0	10 21.3	2 6.9	2 28.6	0 0.0	0 0.0	22 21.8	1 4.3	2 7.7	66 15.6	
3 TO 6 MONTHS	6 16.2	2 11.1	20 21.7	3 50.0	9 19.1	4 13.8	1 14.3	1 12.5	9 30.0	22 21.8	6 26.1	5 34.6	92 21.7	
6 TO 12 MONTHS	11 29.7	4 22.2	22 23.9	1 16.7	11 23.4	9 31.0	0 0.0	1 12.5	7 23.3	17 16.8	3 13.0	3 11.5	89 21.0	
12 TO 18 MONTHS	2 5.4	0 0.0	4 4.3	0 0.0	3 6.4	1 3.4	1 14.3	0 0.0	4 13.3	4 4.0	0 0.0	0 0.0	19 4.5	
18 TO 24 MONTHS	1 2.7	1 5.6	4 4.3	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	2 6.7	1 1.0	0 0.0	1 3.8	10 2.4	
24 TO 36 MONTHS	0 0.0	0 0.0	3 3.3	0 0.0	0 0.0	1 3.4	0 0.0	12.5	1 3.3	0 0.0	0 0.0	0 0.0	6 1.4	
36 OR MORE	0 0.0	2 11.1	1 1.1	0 0.0	3 6.4	2 6.9	0 0.0	0 0.0	0 0.0	1 1.0	4 4.3	1 3.8	11 2.6	
COLUMN TOTAL	37 8.7%	18 4.2%	92 21.7%	6 1.4%	47 11.1%	29 6.8%	7 1.7%	8 1.9%	30 7.1%	101 23.8%	23 5.4%	26 6.1%	424 100.0%	

TABLE C-5

LENGTH OF UNEMPLOYMENT OF RESPONDENTS UNEMPLOYED ANY TIME DURING YEAR ENDING MARCH 1, 1978

BY AGE

LENGTH OF UNEMPLOYMENT	AGE										ROW TOTAL
	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64		
0 TO 1 MONTHS	8 36.4%	15 22.1%	13 21.0%	8 12.9%	8 22.9%	5 14.7%	10 27.8%	6 16.2%	0 0.0%	73 19.1%	
1 TO 2 MONTHS	2 9.1	13 19.1	11 17.7	11 17.7	3 8.6	2 5.9	2 5.6	2 5.4	1 3.8	47 12.3	
2 TO 3 MONTHS	4 18.2	12 17.6	11 17.7	9 14.5	9 25.7	2 5.9	3 8.3	4 10.8	4 15.4	58 15.2	
3 TO 6 MONTHS	3 13.6	20 29.4	13 21.0	12 19.4	4 11.4	9 26.5	10 27.8	7 18.9	3 11.5	81 21.2	
6 TO 12 MONTHS	5 22.7	7 10.3	10 16.1	14 22.6	9 25.7	8 23.5	5 13.9	11 29.7	14 53.8	83 21.7	
12 TO 18 MONTHS	0 0.0	1 1.5	2 3.2	6 9.7	0 0.0	3 8.8	2 5.6	0 0.0	0 0.0	14 3.7	
18 TO 24 MONTHS	0 0.0	0 0.0	0 0.0	1 1.6	0 0.0	2 5.9	1 2.8	3 8.1	2 7.7	9 2.4	
24 TO 36 MONTHS	0 0.0	0 0.0	1 1.6	0 0.0	0 0.0	1 2.9	1 2.8	3 8.1	0 0.0	6 1.6	
36 OR MORE	0 0.0	0 0.0	1 1.6	1 1.6	2 5.7	2 5.9	2 5.6	1 2.7	2 7.7	11 2.9	
COLUMN TOTAL	22 5.8%	68 17.8%	62 16.2%	62 16.2%	35 9.2%	34 8.9%	36 9.4%	37 9.7%	26 6.8%	382 100.0%	

TABLE C-6

LENGTH OF UNEMPLOYMENT OF RESPONDENTS

UNEMPLOYED ANY TIME DURING YEAR ENDING MARCH 1, 1978

BY MINORITY GROUP CLASSIFICATION

LENGTH OF UNEMPLOYMENT	MINORITY CLASSIFICATION					ROW TOTAL
	BLACK	ASIAN	HISPANIC	NON-MINORITY		
0 TO 1 MONTHS	0 0.0%	3 11.1%	1 14.3%	74 19.9%		78 19.0%
1 TO 2 MONTHS	4 66.7	4 14.8	2 28.6	41 11.1		51 12.4
2 TO 3 MONTHS	1 16.7	4 14.8	1 14.3	59 15.9		65 15.8
3 TO 6 MONTHS	1 16.7	10 37.0	2 28.6	75 20.2		88 21.4
6 TO 12 MONTHS	0 0.0	4 14.8	1 14.3	81 21.8		86 20.9
12 TO 18 MONTHS	0 0.0	0 0.0	0 0.0	19 5.1		19 4.6
18 TO 24 MONTHS	0 0.0	0 0.0	0 0.0	8 2.2		8 1.9
24 TO 36 MONTHS	0 0.0	0 0.0	0 0.0	6 1.6		6 1.5
36 OR MORE	0 0.0	2 7.4	0 0.0	8 2.2		10 2.4
COLUMN TOTAL	6 1.5%	27 6.6%	7 1.7%	371 90.3%		411 100.0%

TABLE C-7

LENGTH OF UNEMPLOYMENT OF RESPONDENTS

UNEMPLOYED ANY TIME DURING YEAR ENDING MARCH 1, 1978

BY CITIZENSHIP

LENGTH OF UNEMPLOYMENT	CITIZENSHIP			ROW TOTAL
	U.S.	NON-U.S.		
		PERM RESIDENT	OTHER VISA	
0 TO 1 MONTHS	77 18.9%	0 0.0%	1 100.0%	78 18.4%
1 TO 2 MONTHS	50 12.3	3 18.8	0 0.0	53 12.5
2 TO 3 MONTHS	62 15.2	4 25.0	0 0.0	66 15.6
3 TO 6 MONTHS	87 21.4	5 31.3	0 0.0	92 21.7
6 TO 12 MONTHS	86 21.1	3 18.8	0 0.0	89 21.0
12 TO 18 MONTHS	19 4.7	0 0.0	0 0.0	19 4.5
18 TO 24 MONTHS	10 2.5	0 0.0	0 0.0	10 2.4
24 TO 36 MONTHS	6 1.5	0 0.0	0 0.0	6 1.4
36 OR MORE	10 2.5	1 6.3	0 0.0	11 2.6
COLUMN TOTAL	407 96.0%	16 3.8%	1 0.2%	424 100.0%

TABLE C-8

LENGTH OF UNEMPLOYMENT OF RESPONDENTS UNEMPLOYED ANY TIME DURING YEAR ENDING MARCH 1, 1978

BY PRESENT OR MOST RECENT EMPLOYER

LENGTH OF UNEMPLOYMENT	EMPLOYER										ROW TOTAL	
	MANUFACTURING	NONMANUFACTURING	COLLEGE UNIVERSITY	HIGH SCH, OTHER SC	FEDERAL GOVERNMENT	STATE, LOCL GOV	SELF-EMPLOYED	HOSPITAL, IND LAB RES INST	NONPRFT, RES INST	OTHER		
0 TO 1 MONTHS	38 18.5%	13 30.2%	14 17.7%	3 27.3%	1 5.0%	0 0.0%	2 22.2%	3 21.4%	2 13.5%	2 22.2%	10	78 18.6%
1 TO 2 MONTHS	27 13.0	4 9.3	12 15.2	2 18.2	0 0.0	2 16.7	0 0.0	1 7.1	3 20.0	2 22.2	53 12.6	
2 TO 3 MONTHS	31 14.9	7 16.3	15 19.0	1 9.1	2 10.0	4 33.3	1 11.1	3 21.4	4 26.7	1 11.1	66 15.7	
3 TO 6 MONTHS	47 22.6	11 25.6	15 19.0	2 18.2	5 25.0	2 16.7	3 33.3	3 21.4	3 20.0	1 11.1	92 21.9	
6 TO 12 MONTHS	41 19.7	7 16.3	17 21.5	1 9.1	9 45.0	2 16.7	3 33.3	2 14.3	3 20.0	1 11.1	86 20.5	
12 TO 18 MONTHS	10 4.8	1 2.3	3 3.8	0 0.0	0 0.0	1 8.3	0 0.0	0 0.0	1 6.7	2 22.2	18 4.3	
18 TO 24 MONTHS	5 2.4	0 0.0	0 0.0	1 9.1	3 15.0	0 0.0	0 0.0	0 0.0	1 6.7	0 0.0	10 2.4	
24 TO 36 MONTHS	2 1.0	0 0.0	1 1.3	1 9.1	0 0.0	0 0.0	0 0.0	2 14.3	0 0.0	0 0.0	6 1.4	
36 OR MORE	7 3.4	0 0.0	2 2.5	0 0.0	0 0.0	1 8.3	0 0.0	0 0.0	1 6.7	0 0.0	11 2.6	
COLUMN TOTAL	208 49.5%	43 10.2%	79 18.8%	11 2.6%	20 4.8%	12 2.9%	9 2.1%	14 3.3%	15 3.6%	9 2.1%	420 100.0%	

TABLE C-9

LENGTH OF UNEMPLOYMENT OF RESPONDENTS UNEMPLOYED ANY TIME DURING YEAR ENDING MARCH 1, 1978

BY PRESENT OR MOST RECENT WORK FUNCTION

LENGTH OF UNEMPLOYMENT	WORK FUNCTION											ROW TOTAL
	R&D MGMT, ADMINIS	BASIC RESEARCH	APPLIED R&D	GEN MGMT, ADMINIS	TEACHING, RESRCH	MKT, SALE, PUR, TCH	PROD, QUAL CONTROL	FORENSIC, LAB ANL, ST, LIBRCH	WRITE AB, DATA PROCESSING	PRO-CONSULT-ING	OTHER	
0 TO 1 MONTHS	10 27.0%	12 22.2%	19 16.8%	2 11.1%	10 19.2%	5 18.5%	8 17.4%	5 18.5%	0 0.0%	3 27.3%	4 23.5%	78 18.6%
1 TO 2 MONTHS	2 5.4	8 14.8	13 11.5	1 5.6	7 13.5	3 11.1	10 21.7	3 11.1	1 16.7	0 0.0	2 11.8	53 12.6
2 TO 3 MONTHS	3 8.1	9 16.7	17 15.0	3 16.7	9 17.3	2 7.4	7 15.2	4 14.8	4 66.7	1 9.1	4 23.5	66 15.8
3 TO 6 MONTHS	4 10.8	9 16.7	30 26.5	5 27.8	9 17.3	8 29.6	10 21.7	9 33.3	1 16.7	3 27.3	3 17.6	92 22.0
6 TO 12 MONTHS	11 29.7	14 25.9	23 20.4	3 16.7	10 19.2	6 22.2	7 15.2	5 18.5	1 9.1	1 9.1	4 23.5	85 20.3
12 TO 18 MONTHS	2 5.4	0 0.0	6 5.3	1 5.6	3 5.8	2 7.4	2 4.3	0 0.0	1 9.1	0 0.0	0 0.0	19 4.5
18 TO 24 MONTHS	2 5.4	0 0.0	3 2.7	2 11.1	1 1.9	0 0.0	1 2.2	0 0.0	0 0.0	0 0.0	0 0.0	9 2.1
24 TO 36 MONTHS	1 2.7	2 3.7	1 0.9	0 0.0	1 1.9	0 0.0	0 0.0	1 3.7	0 0.0	0 0.0	0 0.0	6 1.4
36 OR MORE	2 5.4	0 0.0	1 0.9	1 5.6	2 3.8	1 3.7	1 2.2	0 0.0	2 18.2	1 9.1	0 0.0	11 2.6
COLUMN TOTAL	37 8.8%	54 12.9%	113 27.0%	18 4.3%	52 12.4%	27 6.4%	46 11.0%	27 6.4%	11 2.6%	11 2.6%	17 4.1%	419 100.0%

TABLE C-10

LENGTH OF UNEMPLOYMENT OF RESPONDENTS UNEMPLOYED ANY TIME DURING YEAR ENDING MARCH 1, 1978

BY PRESENT OR MOST RECENT WORK SPECIALTY

LENGTH OF UNEMPLOYMENT	WORK SPECIALTY											CHEMISTRY, OTHER	CHEMISTRY, NON-CHEMICAL	ROW TOTAL
	ANALYTICAL	INORGANIC	ORGANIC	POLYMER, MACROMOL	PHYSICAL, THEORET	BIOCHEMISTRY	AGRICULTURE, FOOD	PHARMA, MED, CLN	CHEMICAL ENGRNG	CHEMISTRY, GENERAL	CHEMISTRY, OTHER			
0 TO 1 MONTHS	12 18.5%	4 23.5%	11 26.8%	8 18.2%	3 12.0%	5 20.8%	1 6.3%	6 17.1%	8 26.7%	4 12.5%	12 22.2%	4 9.8%	4 18.4%	
1 TO 2 MONTHS	7 10.8	1 5.9	5 12.2	4 9.1	4 16.0	4 16.7	4 25.0	4 11.4	1 3.3	5 15.6	8 14.8	6 14.6	6 12.5	
2 TO 3 MONTHS	10 15.4	4 23.5	6 14.6	7 15.9	4 16.0	4 16.7	3 18.8	4 11.4	1 3.3	2 6.3	12 22.2	9 22.0	6 15.6	
3 TO 6 MONTHS	11 16.9	2 11.8	7 17.1	14 31.8	7 28.0	3 12.5	1 6.3	9 25.7	10 33.3	9 28.1	11 20.4	8 19.5	9 21.7	
6 TO 12 MONTHS	21 32.3	4 23.5	7 17.1	5 11.4	3 12.0	6 25.0	6 37.5	5 14.3	8 26.7	9 28.1	7 13.0	8 19.5	8 21.0	
12 TO 18 MONTHS	1 1.5	0 0.0	1 2.4	3 6.8	3 12.0	1 4.2	1 6.3	2 5.7	1 3.3	1 3.1	2 3.7	3 7.3	3 4.5	
18 TO 24 MONTHS	2 3.1	0 0.0	3 7.3	1 2.3	0 0.0	0 0.0	0 0.0	0 0.0	1 3.3	1 3.1	1 1.9	1 2.4	1 2.4	
24 TO 36 MONTHS	0 0.0	0 0.0	0 0.0	1 2.3	0 0.0	1 4.2	0 0.0	4 11.4	0 0.0	0 0.0	0 0.0	0 0.0	0 1.4	
36 OR MORE	1 1.5	2 11.8	1 2.4	1 2.3	1 4.0	0 0.0	0 0.0	1 2.9	0 0.0	1 3.1	1 1.9	1 4.9	1 2.6	
COLUMN TOTAL	65 15.3%	17 4.0%	41 9.7%	44 10.4%	25 5.9%	24 5.7%	16 3.8%	35 8.3%	30 7.1%	32 7.5%	54 12.7%	41 9.7%	424 100.0%	

TABLE C-11

LENGTH OF UNEMPLOYMENT OF RESPONDENTS UNEMPLOYED ANY TIME DURING YEAR ENDING MARCH 1, 1978

BY GEOGRAPHIC REGION OF RESIDENCE

LENGTH OF UNEMPLOYMENT	GEOGRAPHIC REGION										ROW TOTAL
	PACIFIC	MOUNTAIN	WEST NO. CENTRAL	WEST SO. CENTRAL	EAST NO. CENTRAL	EAST SO. CENTRAL	MIDDLE ATLANTIC	SOUTH ATLANTIC	NEW ENGLAND		
0 TO 1 MONTHS	5 7.7%	5 27.8%	4 17.4%	13 48.1%	13 19.4%	4 40.0%	18 18.8%	7 14.0%	4 12.5%	73 18.8%	
1 TO 2 MONTHS	10 15.4	1 5.6	5 21.7	2 7.4	9 13.4	2 20.0	6 6.3	7 14.0	5 15.6	47 12.1	
2 TO 3 MONTHS	7 10.8	0 0.0	4 17.4	3 11.1	10 14.9	0 0.0	15 15.6	11 22.0	8 25.0	58 14.9	
3 TO 6 MONTHS	14 21.5	5 27.8	4 17.4	7 25.9	12 17.9	2 20.0	22 22.9	13 26.0	5 15.6	84 21.6	
6 TO 12 MONTHS	20 30.8	3 16.7	2 8.7	2 7.4	18 26.9	1 10.0	22 22.9	8 16.0	8 25.0	84 21.6	
12 TO 18 MONTHS	2 3.1	1 5.6	2 8.7	0 0.0	1 1.5	1 10.0	5 5.2	3 6.0	1 3.1	16 4.1	
18 TO 24 MONTHS	1 1.5	1 5.6	0 0.0	0 0.0	1 1.5	0 0.0	5 5.2	1 2.0	0 0.0	9 2.3	
24 TO 36 MONTHS	2 3.1	0 0.0	1 4.3	0 0.0	1 1.5	0 0.0	1 1.0	0 0.0	1 3.1	6 1.5	
36 OR MORE	4 6.2	2 11.1	1 4.3	0 0.0	2 3.0	0 0.0	2 2.1	0 0.0	0 0.0	11 2.8	
COLUMN TOTAL	65 16.8%	18 4.6%	23 5.9%	27 7.0%	67 17.3%	10 2.6%	96 24.7%	50 12.9%	32 8.2%	388 100.0%	

See page 141 for list of states by geographic region.

TABLE D-1

SALARIES OF CHEMISTS
BY DEGREE AND EXPERIENCE

HIGHEST DEGREE EARNED	PCITILE	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	ALL EXPR LEVEL
		1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39			
BACHLORS	10	9100.	10000.	13000.	15000.	18000.	19000.	18400.	21000.	21000.	2000.	13200.	
	25	10600.	12900.	15000.	18000.	21000.	22500.	23700.	25000.	25000.	25000.	17000.	
	75	12300.	14500.	17500.	21000.	24300.	27000.	27800.	28900.	28900.	30000.	22000.	
	90	14300.	16500.	20000.	24000.	28000.	31000.	34000.	38000.	38000.	40000.	28000.	
	MEAN	12691.	14330.	17722.	21302.	25221.	27488.	29226.	32600.	32600.	36728.	35100.	
	COUNT	79	339	346	265	272	244	252	186	186	50	2425	
	STD DEV	3132.	3213.	4095.	5067.	6921.	8872.	9314.	16658.	16658.	32558.	11833.	
MASTERS	10	12000.	11800.	13400.	16000.	16000.	19500.	19500.	18000.	18000.	23000.	15100.	
	25	14100.	13500.	16600.	18800.	20700.	25000.	25000.	23800.	23800.	26700.	18500.	
	75	17300.	16000.	19200.	22800.	25000.	28800.	30000.	30000.	30000.	30000.	24000.	
	90	18900.	18000.	22500.	26500.	29500.	35000.	34500.	36000.	36000.	42000.	30000.	
	MEAN	15864.	16082.	19423.	23900.	25000.	28036.	30366.	31707.	31707.	37050.	25377.	
	COUNT	36	141	135	244	195	201	148	122	122	32	1688	
	STD DEV	2559.	3701.	4629.	6827.	7033.	8836.	9185.	13005.	13005.	19248.	9833.	
DOCTORS	10	12300.	14000.	15000.	17600.	19200.	21000.	23500.	24000.	24000.	25000.	17300.	
	25	17000.	18000.	18000.	20600.	23100.	26000.	28000.	30000.	30000.	33000.	21800.	
	75	21000.	21800.	24000.	27600.	29000.	32000.	34500.	36500.	36500.	38000.	27400.	
	90	22000.	23900.	27100.	32600.	35000.	39000.	42000.	45000.	45000.	48000.	34200.	
	MEAN	19990.	20684.	23318.	27287.	29867.	33493.	36797.	38860.	38860.	43792.	42000.	
	COUNT	68	474	1007	911	698	650	322	220	220	49	29164	
	STD DEV	5031.	4381.	6105.	7857.	10031.	11876.	15878.	14604.	14604.	38924.	12197.	
COLUMN	MEAN	16027.	17746.	21452.	25521.	28015.	31153.	32997.	35234.	35234.	39449.	27036.	
	COUNT	183	954	1643	1429	1162	1095	718	528	528	131	9062	
	STD DEV	5040.	4904.	5994.	7645.	9215.	11111.	12080.	14669.	15317.	32538.	11934.	

TABLE D-2

SALARIES OF CHEMISTS

BY DEGREE AND EXPERIENCE - MEN

HIGHEST DEGREE EARNED	PC-TILE	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	ALL EXPR LEVEL
		1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE		
BACHLORS	10	9100.	10400.	13600.	16000.	19300.	19800.	19000.	18600.	22000.	21000.	14000.	
	25	10300.	12000.	15500.	18700.	21800.	23000.	22700.	24000.	25000.	23000.	18000.	
	50	12500.	14400.	18000.	21500.	25000.	27000.	27000.	29000.	30000.	30000.	23000.	
	75	14400.	16500.	20000.	24200.	28000.	32000.	32000.	35000.	39000.	40000.	30000.	
	90	16000.	18500.	22800.	28500.	34100.	37000.	39000.	42000.	50000.	48000.	36400.	
MEAN		12725.	14290.	18075.	21799.	25695.	28152.	28530.	30645.	34090.	36758.	24786.	
COUNT		241	241	241	222	241	223	379	218	171	150	2091.	
STD DEV		3248.	3260.	4126.	5107.	7060.	8870.	9392.	15147.	16998.	32558.	12277.	
MASTERS	10	13000.	11900.	17000.	17000.	18100.	20000.	20000.	22100.	18500.	23000.	16000.	
	25	14100.	14000.	17500.	19000.	22000.	23900.	25000.	25000.	24000.	27000.	19200.	
	50	16200.	16500.	19500.	23500.	25200.	28000.	29000.	30000.	30000.	30000.	25000.	
	75	17500.	18500.	22000.	27500.	30000.	32000.	35000.	35000.	37000.	44000.	31000.	
	90	18900.	20300.	26000.	32500.	36000.	37000.	42000.	44800.	48000.	50000.	38000.	
MEAN		15965.	16356.	19817.	24138.	26520.	28542.	30424.	32004.	31680.	37600.	26240.	
COUNT		31	113	230	199	159	183	266	138	114	30	1463.	
STD DEV		2546.	3588.	4583.	6895.	6955.	8715.	9079.	9730.	11523.	19673.	9812.	
DOCTORS	10	12200.	14300.	15500.	17800.	19800.	21000.	22500.	23800.	24100.	26200.	18000.	
	25	19200.	18000.	18500.	21000.	23900.	26000.	29000.	28000.	30000.	33900.	22000.	
	50	22000.	22000.	27500.	32800.	35000.	32000.	41000.	42000.	37000.	48000.	32000.	
	75	23100.	24000.	31000.	36100.	40400.	47000.	48500.	51000.	45000.	50000.	35000.	
	90	20222.	25500.	33667.	39100.	30245.	35738.	36316.	37188.	38992.	52000.	42300.	
MEAN		20222.	20828.	23667.	27526.	30245.	35738.	36316.	37188.	38992.	45032.	29625.	
COUNT		60	428	920	858	665	628	525	309	217	47	4654.	
STD DEV		5039.	4276.	6070.	7790.	10037.	11893.	13939.	16037.	14619.	39273.	12307.	
COLUMN	MEAN	16345.	18167.	21940.	26025.	28655.	31613.	32454.	33927.	35651.	40007.	27789.	
	COUNT	1152.	782.	1435.	1279.	1062.	1034.	1170.	652.	502.	1127.	8208.	
	STD DEV	5167.	4920.	5995.	7603.	9246.	11097.	12122.	14935.	15147.	32855.	12085.	

TABLE D-3

SALARIES OF CHEMISTS
BY DEGREE AND EXPERIENCE - WOMEN

HIGHEST DEGREE EARNED	PCITILE	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	ALL EXPR LEVEL
		1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39			
BACHLORS	10	9200.	10000.	11000.	13000.	14800.	13000.	18000.	15000.	15000.	15200.	0.	11500.
	25	9600.	12000.	13500.	16500.	18400.	18000.	21000.	20000.	18200.	18500.	0.	14000.
	50	12500.	15000.	16000.	18200.	21000.	20700.	22000.	24000.	26000.	21700.	0.	17000.
	75	15000.	18200.	18700.	21600.	24900.	22800.	27000.	27400.	29000.	21700.	0.	21000.
	90	18400.	18200.	20000.	24600.	26000.	26400.	31500.	34000.	36900.	29000.	0.	25000.
	MEAN	125178.	14430.	16074.	18735.	21263.	20433.	23247.	23938.	24140.	0.	17907.	
	COUNT	18	98	61	43	30	21	17	29	15	0.	332.	
	STD DEV	2628.	3112.	3539.	4010.	4635.	5081.	5413.	6719.	7835.	0.	5695.	
MASTERS	10	10400.	9800.	10500.	13000.	13700.	14200.	11000.	18000.	17000.	17000.	21200.	12400.
	25	15000.	12500.	15000.	16700.	16500.	17200.	17000.	21000.	22000.	17300.	21200.	15500.
	50	16500.	15000.	18100.	20500.	20000.	20000.	22600.	22000.	22000.	20700.	21200.	19100.
	75	17000.	17000.	21000.	27000.	23000.	25000.	27000.	25200.	30000.	30000.	36400.	22700.
	90	17300.	19000.	22900.	27300.	25500.	40000.	33000.	30000.	10000.	10000.	38400.	25800.
	MEAN	15240.	14975.	17724.	20134.	19819.	22894.	22738.	23740.	32088.	28800.	19731.	
	COUNT	5	28	59	44	36	18	13	10	8	2	223.	
	STD DEV	2847.	3605.	4329.	5522.	4259.	8652.	8552.	4178.	27925.	10748.	7975.	
DOCTORS	10	12300.	12500.	13500.	15200.	15000.	15000.	16000.	19000.	16000.	16000.	12800.	13500.
	25	12400.	14000.	14700.	18000.	17000.	17400.	17900.	19000.	16000.	16000.	12800.	16500.
	50	20500.	20100.	20000.	20000.	21000.	23000.	23400.	26000.	36000.	36000.	12800.	21000.
	75	21600.	22600.	24000.	27000.	27000.	32000.	30200.	31000.	36000.	36000.	16500.	25500.
	90	23700.	24500.	26400.	33000.	33000.	40000.	37900.	35600.	36000.	36000.	16500.	31800.
	MEAN	18250.	19282.	19628.	22940.	22714.	26514.	24736.	26883.	29333.	14650.	21828.	
	COUNT	8	45	57	53	35	22	25	12	3	2	292.	
	STD DEV	4932.	5163.	5203.	7713.	6976.	9086.	7946.	6678.	11547.	2616.	7086.	
COLUMN	MEAN	14471.	15796.	18038.	20766.	21250.	23352.	23804.	24592.	27185.	21725.	19739.	
	COUNT	31	171	207	140	101	61	55	51	26	4	847.	
	STD DEV	4090.	4347.	4740.	6305.	5533.	8088.	7333.	6316.	16649.	10370.	7034.	

TABLE D-4

SALARIES OF CHEMISTS

BY EMPLOYER AND DEGREE

EMPLOYER	HIGHEST DEGREE EARNED			ROW TOTAL	
	BACHLORS	MASTERS	DOCTORS		
MANUFACTURING	MEDIAN	23000.	25000.	31000.	29124. 5038
	MEAN	24938.	27092.	33154.	
	COUNT	1701	1044	2293	
NONMANUFACTURING	MEDIAN	19800.	24000.	27800.	26640. 470
	MEAN	22417.	26775.	30877.	
	COUNT	184	106	180	
COLLEGE, UNIVRSTY	MEDIAN	12700.	17500.	21500.	22671. 1999
	MEAN	14097.	18120.	23400.	
	COUNT	66	160	1773	
HIGH SCH, OTHR SC	MEDIAN	12000.	18000.	15300.	16587. 114
	MEAN	13077.	17637.	16616.	
	COUNT	22	73	19	
FEDERAL GOVERNMT	MEDIAN	25000.	27700.	32000.	29263. 667
	MEAN	25555.	27443.	32194.	
	COUNT	190	146	331	
STATE, LOCL GOV	MEDIAN	18000.	17500.	23000.	19433. 209
	MEAN	18125.	18058.	23458.	
	COUNT	100	57	52	
SELF-EMPLOYED	MEDIAN	26000.	25000.	35000.	35470. 77
	MEAN	33772.	29376.	40400.	
	COUNT	29	17	31	
HOSPITAL, IND LAB	MEDIAN	15000.	22000.	25000.	23679. 159
	MEAN	17869.	23204.	28270.	
	COUNT	58	25	76	
NONPRFT RES INST	MEDIAN	18500.	23000.	28000.	26346. 268
	MEAN	19548.	23684.	29243.	
	COUNT	52	49	167	
OTHER	MEDIAN	14800.	22000.	24300.	23305. 61
	MEAN	16196.	23036.	29470.	
	COUNT	23	11	27	
COLUMN	MEAN COUNT	23849. 2425	25378. 1688	29166. 4949	27037. 9062

TABLE D-5

SALARIES OF CHEMISTS

BY EMPLOYER AND DEGREE - MEN

EMPLOYER	HIGHEST DEGREE EARNED			ROW TOTAL	
	BACHLORS	MASTERS	DOCTORS		
MANUFACTURING	MEDIAN	24000.	26000.	31000.	29741. 4679
	MEAN	25680.	27640.	33394.	
	COUNT	1512	944	2223	
NONMANUFACTURING	21100. 23470. 149	25000. 27782. 94	28000. 31344. 169	27683. 412	
COLLEGE, UNIVRSTY	14000. 15076. 45	18000. 18910. 114	22000. 23790. 1621	23257. 1780	
HIGH SCH, OTHR SC	11000. 13069. 16	18000. 18053. 58	16300. 17223. 13	17013. 87	
FEDERAL GOVERNMT	26000. 26253. 158	28600. 28444. 125	32000. 32657. 306	30045. 589	
STATE, LOCL GOV	18500. 18720. 83	17500. 18332. 44	24000. 23789. 46	19969. 173	
SELF-EMPLOYED	30000. 36131. 26	25000. 29376. 17	30000. 40247. 30	36249. 73	
HOSPITAL, IND LAB	15300. 19150. 46	22000. 22586. 21	26000. 29009. 68	24650. 135	
NONPRFT RES INST	20000. 20613. 40	24500. 25524. 37	28000. 29687. 154	27449. 231	
OTHER	14800. 16938. 16	21000. 22822. 9	24000. 30058. 24	24445. 49	
COLUMN	MEAN COUNT	24788. 2091	26242. 1463	29626. 4654	27790. 8208

TABLE D-6

SALARIES OF CHEMISTS

BY EMPLOYER AND DEGREE - WOMEN

EMPLOYER	HIGHEST DEGREE EARNED			ROW TOTAL	
	BACHLORS	MASTERS	DOCTORS		
MANUFAC- TURING	MEDIAN	18000.	20500.	24000.	20951. 354
	MEAN	18885.	21857.	25315.	
	COUNT	187	99	68	
NONMANUFACTURING	16800. 17937. 35	16400. 18892. 12	23000. 23709. 11	19229. 58	
COLLEGE, UNIVRSTY	11000. 12000. 21	16000. 16163. 46	18000. 19249. 152	17905. 219	
HIGH SCH, OTHR SC	12000. 13100. 6	15000. 16027. 15	14000. 15300. 6	15215. 27	
FEDERAL GOVERNMT	22500. 22106. 32	21000. 21650. 20	26400. 26536. 25	23426. 77	
STATE, LOCL GOV	14000. 15218. 17	17000. 17131. 13	18700. 20917. 6	16858. 36	
SELF- EMPLOYED	12000. 13333. 3	0. 0. 0	45000. 45000. 1	21250. 4	
HOSPITAL, IND LAB	12200. 12958. 12	21100. 26450. 4	23000. 21988. 8	18217. 24	
NONPRFT RES INST	14500. 16000. 12	17000. 18008. 12	23000. 24150. 12	19386. 36	
OTHER	12000. 14500. 7	22000. 24000. 2	24300. 24767. 3	18650. 12	
COLUMN MEAN COUNT	17907. 332	19731. 223	21828. 292	19739. 847	

TABLE D-7

SALARIES OF CHEMISTS

BY EMPLOYER AND EXPERIENCE - BACHELOR'S DEGREE

EMPLOYER	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	ROM TOTAL
	1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE		
MANUFACTURING	13800. 13582. 45	15000. 15209. 221	18000. 18259. 229	21500. 22157. 180	25000. 25726. 191	27200. 28347. 175	27000. 28808. 238	29000. 30305. 188	30000. 34323. 133	30000. 36066. 41	24941. 1701	
NONMANUFACTURING	13000. 12444. 9	14100. 13762. 29	18000. 17833. 33	18000. 18779. 19	22200. 24120. 15	23200. 25693. 14	27000. 28322. 23	27000. 25919. 16	27500. 33727. 22	28800. 34700. 4	22417. 184	
COLLEGE, UNIVRSITY	9600. 9533. 6	10100. 9578. 18	11800. 11682. 11	16000. 16967. 6	19200. 19283. 6	13500. 14140. 5	20000. 25050. 4	15000. 15917. 6	21000. 22100. 4	0. 0. 0	14097. 66	
HIGH SCH, OTHR SC	9000. 9250. 4	8900. 10000. 4	10500. 12200. 6	12000. 13500. 2	13400. 14750. 2	13000. 13000. 1	18000. 20500. 2	0. 0. 0	0. 0. 0	27000. 27000. 1	13077. 22	
FEDERAL GOVERNMENT	12300. 16450. 4	15100. 15141. 17	18300. 18824. 21	23000. 23488. 16	25000. 25289. 35	28000. 28684. 25	28000. 29024. 34	30000. 30989. 18	29000. 30856. 18	25900. 29450. 2	25555. 190	
STATE, LOCL GOV	12500. 12267. 3	12200. 12967. 15	17000. 17243. 23	18000. 18918. 16	18500. 20022. 9	18500. 19557. 7	19500. 20075. 16	24000. 24329. 7	17600. 18325. 4	0. 0. 0	18125. 100	
SELF-EMPLOYED	8000. 8000. 1	12000. 13200. 2	25000. 27500. 2	18000. 22667. 3	30000. 35250. 4	24000. 35400. 5	24000. 39750. 4	39000. 63333. 3	33000. 36250. 4	10000. 10000. 1	33772. 29	
HOSPITAL, IND LAB	9500. 9500. 2	12200. 11833. 15	13000. 14736. 11	14700. 15700. 4	19000. 19767. 3	20100. 20282. 6	23000. 23860. 10	16900. 29650. 6	17500. 17500. 1	0. 0. 0	17869. 58	
NONPRFT RES INST	9600. 10800. 2	12000. 12789. 9	14500. 14867. 9	18000. 18721. 14	27000. 27620. 5	19000. 25750. 4	24000. 24960. 5	25000. 25667. 3	0. 0. 0	41000. 41000. 1	19548. 52	
OTHER	10000. 11333. 3	12000. 12722. 9	17500. 17500. 1	21600. 19920. 5	14800. 17900. 2	23500. 23650. 2	0. 0. 0	23800. 23800. 1	0. 0. 0	0. 0. 0	16196. 23	
COLUMN MEAN COUNT	12691. 79	14330. 339	17722. 346	21302. 265	25221. 272	27488. 244	28303. 396	29856. 248	33260. 186	36728. 50	23851. 2425	

TABLE D-8

SALARIES OF CHEMISTS

BY EMPLOYER AND EXPERIENCE - MASTER'S DEGREE

YEARS OF PROFESSIONAL EXPERIENCE

EMPLOYER	1 OR LESS	YEARS OF PROFESSIONAL EXPERIENCE								40 OR MORE	ROM TOTAL
		2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39		
MANUFACTURING	16500. 15842. 24	17000. 17225. 80	20300. 20798. 178	24000. 24817. 151	26000. 27316. 109	30000. 30841. 112	30000. 31556. 180	30700. 32417. 102	30000. 32795. 85	32500. 37943. 23	27094. 1044
NONMANUFACTURING	15200. 16260. 5	16000. 16780. 10	20600. 21385. 20	23400. 23760. 10	25000. 25591. 11	21900. 22344. 9	30000. 32306. 17	30000. 32282. 11	32000. 40490. 10	29000. 44000. 3	26775. 106
COLLEGE, UNIVRSITY	14100. 14033. 3	12000. 12741. 17	13800. 13924. 25	17100. 16970. 27	19000. 19623. 26	21400. 21796. 24	22000. 21160. 20	23500. 22071. 2	17000. 20111. 9	21000. 21102. 2	18120. 160
HIGH SCH, OTHR SC	0. 0	10000. 10300. 4	14000. 15460. 15	18000. 17800. 13	18600. 18131. 13	20000. 19775. 12	21000. 21182. 11	21000. 20733. 3	17300. 22400. 2	0. 0	17637. 73
FEDERAL GOVERNMT	0. 0	15100. 15793. 14	19000. 20263. 19	27300. 26511. 19	25500. 26922. 18	28700. 30154. 24	28600. 30582. 24	33800. 32347. 17	31000. 35463. 8	44000. 40333. 3	27443. 146
STATE, LOCL GOV	14000. 14000. 1	16000. 16700. 6	17000. 16775. 16	16700. 16975. 12	16500. 16875. 4	23000. 23514. 7	16500. 17220. 5	17000. 18800. 2	22000. 25167. 3	17700. 17700. 1	18058. 57
SELF-EMPLOYED	0. 0	10400. 10400. 1	12000. 12000. 1	20000. 46000. 2	25000. 27500. 2	25000. 26500. 2	32000. 36400. 5	15000. 27500. 2	20000. 20000. 2	0. 0	29376. 17
HOSPITAL, IND LAB	0. 0	17500. 17500. 1	17500. 17750. 6	25000. 25033. 3	24000. 26800. 5	19700. 24417. 6	28000. 25167. 3	25000. 25000. 1	0. 0	0. 0	23204. 25
NONPRFT RES INST	15000. 15250. 2	12500. 13600. 6	13000. 15617. 6	22300. 22647. 7	25100. 26260. 5	24700. 24900. 3	28200. 30386. 14	32100. 36033. 3	18700. 18900. 3	0. 0	23684. 49
OTHER	23000. 23000. 1	15100. 16550. 2	20000. 21823. 4	0. 0	22000. 26500. 2	26000. 28500. 2	0. 0	0. 0	0. 0	0. 0	23036. 11
COLUMN MEAN COUNT	15864. 36	16082. 141	19423. 290	23392. 244	25283. 195	28036. 201	30066. 279	31445. 148	31707. 122	37050. 32	25379. 1688

TABLE D-9

SALARIES OF CHEMISTS

BY EMPLOYER AND EXPERIENCE - DOCTOR'S DEGREE

EMPLOYER	YEARS OF PROFESSIONAL EXPERIENCE											40 OR MORE	ROW TOTAL
	1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE			
MANUFACTURING	21600. 21345. 44	23000. 22987. 247	26600. 26857. 475	32000. 31911. 419	33000. 34091. 287	36000. 38183. 288	37400. 40349. 253	38800. 42945. 144	40000. 43030. 108	43700. 51611. 28	43700. 51611. 28	33157. 2293	
NONMANUFACTURING	21000. 20233. 6	23400. 22793. 29	25000. 25657. 37	30000. 30100. 31	34500. 35258. 19	33800. 36465. 23	30000. 37243. 21	28800. 34167. 6	42000. 49629. 7	50000. 50000. 1	50000. 50000. 1	30877. 180	
COLLEGE,UNIVRSITY	12400. 13171. 14	15000. 15703. 129	17000. 17876. 346	20000. 21423. 361	23400. 24528. 292	26000. 26871. 234	28000. 28959. 187	28600. 30313. 125	32000. 31972. 74	33600. 30782. 11	33600. 30782. 11	23403. 1773	
HIGH SCH.,OTHR SC	0. 0. 0	0. 0. 0	14500. 16700. 6	12000. 13167. 3	19000. 15867. 3	20000. 18600. 3	14000. 14650. 2	16300. 16300. 1	27000. 27000. 1	0. 0. 0	0. 0. 0	16616. 16619	
FEDERAL GOVERNMT	0. 0. 0	22000. 23169. 26	26000. 25793. 71	30000. 29369. 45	32000. 32695. 43	36000. 36132. 57	39000. 39226. 42	36900. 38056. 27	40000. 39197. 17	34000. 31433. 3	34000. 31433. 3	32194. 331	
STATE, LOCL GOV	0. 0. 0	16000. 15917. 6	18700. 19875. 12	25000. 25900. 11	27000. 27600. 6	26000. 24249. 5	20000. 23500. 4	15900. 19867. 3	25000. 30500. 4	38500. 38500. 1	38500. 38500. 1	23458. 52	
SELF-EMPLOYED	43000. 43000. 1	0. 0. 0	15000. 18000. 2	30000. 32500. 4	68000. 77600. 5	30000. 31667. 3	28000. 30714. 7	30000. 30000. 1	30000. 38629. 7	45000. 45000. 1	45000. 45000. 1	40400. 31	
HOSPITAL,IND LAB	30000. 30000. 1	19000. 20430. 10	22900. 22814. 28	30000. 30833. 9	24000. 28350. 8	39000. 39167. 9	30000. 39500. 6	38000. 37667. 3	38000. 38000. 1	30600. 30600. 1	30600. 30600. 1	28270. 76	
NONPRFT RES INST	0. 0. 0	20600. 20364. 22	24900. 24335. 26	26300. 26577. 22	28000. 28641. 34	32000. 34108. 26	35000. 35657. 23	38000. 36880. 10	65000. 65000. 1	32700. 34567. 3	32700. 34567. 3	29243. 167	
OTHER	15300. 20650. 2	17000. 17900. 5	24000. 23625. 4	21100. 30683. 6	24000. 24000. 1	30000. 38500. 2	48000. 46000. 5	24300. 27650. 2	0. 0. 0	0. 0. 0	0. 0. 0	29470. 27	
COLUMN MEAN COUNT	19990. 68	20684. 474	23319. 1007	27288. 911	29868. 698	33494. 650	35790. 550	36797. 322	38860. 220	43792. 49	43792. 49	29168. 4949	

TABLE D-10

SALARIES OF CHEMISTS

BY WORK FUNCTION AND DEGREE

WORK FUNCTION		HIGHEST DEGREE EARNED			ROW TOTAL
		BACHLORS	MASTERS	DOCTORS	
R&D MGMT, ADMINIS	MEDIAN	30000.	31000.	37000.	36223. 1291
	MEAN	31337.	32438.	38816.	
	COUNT	266	213	812	
BASIC RESEARCH	MEDIAN	17000.	21200.	26900.	25501. 992
	MEAN	18046.	22804.	27598.	
	COUNT	147	141	704	
APPLIED R&D	MEDIAN	21000.	24000.	28000.	25921. 2383
	MEAN	21839.	24563.	28539.	
	COUNT	635	499	1249	
GEN MGMT, ADMINIS	MEDIAN	28000.	30000.	35000.	35954. 735
	MEAN	32206.	33099.	41297.	
	COUNT	303	143	289	
TEACHING, RESRCH	MEDIAN	12000.	18000.	21000.	21865. 1737
	MEAN	13659.	18110.	22589.	
	COUNT	39	203	1495	
MKT, SALE, PUR, TCH	MEDIAN	25200.	28500.	32000.	28832. 459
	MEAN	27149.	29031.	33002.	
	COUNT	249	115	95	
PRD, QUAL CONTROL	MEDIAN	19000.	22400.	25000.	21572. 636
	MEAN	19926.	23411.	26206.	
	COUNT	399	158	79	
FORENSIC, LAB ANL	MEDIAN	17300.	19600.	24400.	20168. 374
	MEAN	17869.	20832.	26174.	
	COUNT	210	94	70	
WRITE, ABST, LIBRY	MEDIAN	24000.	20300.	26100.	24569. 108
	MEAN	23246.	21991.	28474.	
	COUNT	41	32	35	
DATA PROCESSING	MEDIAN	21100.	21000.	22500.	22827. 52
	MEAN	20778.	22719.	24972.	
	COUNT	18	16	18	
CONSULTING	MEDIAN	18000.	28200.	35000.	30561. 85
	MEAN	24121.	29122.	37224.	
	COUNT	29	23	33	
OTHER	MEDIAN	23400.	24000.	30000.	27870. 210
	MEAN	24747.	25820.	33336.	
	COUNT	89	51	70	
COLUMN	MEAN COUNT	23851. 2425	25379. 1688	29166. 4949	27039. 9062

TABLE D-11

SALARIES OF CHEMISTS

BY WORK FUNCTION AND DEGREE - MEN

WORK FUNCTION	HIGHEST DEGREE EARNED			ROW TOTAL	
	BACHLORS	MASTERS	DOCTORS		
R&D MGMT, ADMINIS	MEDIAN	30300.	31800.	37000.	36434. 1256
	MEAN	31603.	32606.	38969.	
	COUNT	256	204	796	
BASIC RESEARCH		18000.	22000.	27200.	26417. 853
		18456.	23754.	28188.	
		106	108	639	
APPLIED R&D		22000.	25000.	28000.	26393. 2194
		22406.	25141.	28662.	
		547	442	1205	
GEN MGMT, ADMINIS		28600.	30000.	36000.	36649. 686
		33115.	33016.	42011.	
		280	132	274	
TEACHING, RESRCH		13000.	18200.	21100.	22417. 1542
		13900.	18807.	22973.	
		27	147	1368	
MKT, SALE, PUR, TCH		26000.	28500.	32000.	29342. 436
		27770.	29161.	33571.	
		232	113	91	
PRD, QUAL CONTROL		19900.	23000.	25000.	22122. 565
		20508.	23722.	26292.	
		342	147	76	
FORENSIC, LAB ANL		18000.	20000.	25000.	20801. 316
		18427.	21338.	26692.	
		176	76	64	
WRITE, ABST, LIBRY		25500.	23000.	26100.	26461. 62
		24465.	25144.	28359.	
		17	16	29	
DATA PROCESSING		22600.	21000.	25000.	24195. 41
		22355.	23807.	25800.	
		11	14	16	
CONSULTING		19500.	28200.	35000.	31316. 81
		25536.	29122.	37224.	
		25	23	33	
OTHER		25000.	25700.	30000.	29371. 176
		26176.	27605.	34171.	
		72	41	63	
COLUMN	MEAN COUNT	24790. 2091	26243. 1463	29627. 4654	27792. 8208

TABLE D-12

SALARIES OF CHEMISTS

BY WORK FUNCTION AND DEGREE - WOMEN

WORK FUNCTION	HIGHEST DEGREE EARNED			ROW TOTAL	
	BACHLORS	MASTERS	DOCTORS		
R&D MGMT, ADMINIS	MEDIAN	25000.	25000.	31000.	28591. 32
	MEAN	23911.	28622.	31579.	
	COUNT	9	9	14	
BASIC RESEARCH	MEDIAN	16800.	20100.	21500.	19893. 138
	MEAN	16985.	19741.	21802.	
	COUNT	41	32	65	
APPLIED R&D	MEDIAN	17000.	19600.	23700.	20347. 187
	MEAN	18186.	20079.	25072.	
	COUNT	87	57	43	
GEN MGMT, ADMINIS	MEDIAN	20000.	25000.	28500.	26169. 48
	MEAN	21139.	34600.	28260.	
	COUNT	23	10	15	
TEACHING, RESRCH	MEDIAN	11500.	16000.	17000.	17507. 195
	MEAN	13117.	16282.	18462.	
	COUNT	12	56	127	
MKT, SALE, PUR, TCH	MEDIAN	18000.	12400.	18000.	19174. 23
	MEAN	18671.	21700.	20050.	
	COUNT	17	2	4	
PRD, QUAL CONTROL	MEDIAN	16000.	20400.	25500.	17193. 71
	MEAN	16433.	19264.	24033.	
	COUNT	57	11	3	
FORENSIC, LAB ANL	MEDIAN	14500.	17200.	18700.	16719. 58
	MEAN	14979.	18694.	20650.	
	COUNT	34	18	6	
WRITE, ABST, LIBRY	MEDIAN	22800.	18700.	24300.	22017. 46
	MEAN	22383.	18838.	29033.	
	COUNT	24	16	6	
DATA PROCESSING	MEDIAN	19500.	9200.	16700.	17727. 11
	MEAN	18300.	15100.	18350.	
	COUNT	7	2	2	
CONSULTING	MEDIAN	13500.	0.	0.	15275. 4
	MEAN	15275.	0.	0.	
	COUNT	4	0	0	
OTHER	MEDIAN	17300.	20500.	24300.	20103. 34
	MEAN	18694.	18500.	25814.	
	COUNT	17	10	7	
COLUMN	MEAN COUNT	17907. 332	19731. 223	21828. 292	19739. 847

TABLE D-13

SALARIES OF CHEMISTS

BY WORK FUNCTION AND EXPERIENCE - BACHELOR'S DEGREE

WORK FUNCTION	1 OR LESS	YEARS OF PROFESSIONAL EXPERIENCE								40 OR MORE	ROW TOTAL
		2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39		
R&D MGMT, ADMINIS	0 0 0	14800 16017 6	21900 22746 13	23300 23794 18	28000 28162 39	30800 32824 37	32000 33185 67	32000 35085 41	37000 36317 36	37500 35411 9	31337 266
BASIC RESEARCH	10000 11478 9	13200 13039 46	16500 15680 25	19000 20300 10	21800 21489 19	20700 22415 13	23000 26450 10	25000 27767 6	24000 24688 8	26300 26300 1	18046 147
APPLIED R&D	13800 13488 25	15200 15413 99	17700 17416 106	21000 21271 73	23500 24031 65	25600 26463 56	25000 25686 109	26000 26229 52	28000 28423 40	21500 26150 10	21839 635
GEN MGMT, ADMINIS	10000 12161 3	15000 15379 14	19500 20661 33	25000 25105 22	28000 30215 39	28500 31309 33	29000 32091 66	32000 38419 47	36000 43103 36	40000 58550 10	32206 303
TEACHING, RESRCH	9000 8340 5	8900 8933 9	10500 12200 6	15000 13780 5	15500 18000 4	11000 12000 2	23000 23667 3	11500 13250 2	21000 24000 2	27000 27000 1	13659 39
MKT, SALE, PUR, TCH	13000 12500 3	14100 14681 16	20000 20183 24	22800 23239 33	24500 27046 26	28000 27277 31	28000 29360 47	30000 30200 32	32400 36760 30	30000 34071 7	27149 249
PRD, QUAL CONTROL	14300 14225 16	14700 14427 82	16900 16973 71	19200 19720 49	23000 22823 43	23000 24928 36	24000 24598 47	23000 23109 35	24000 23238 16	35000 38275 4	19926 399
FORENSIC, LAB ANL	12500 12292 12	12900 13556 45	15600 16581 47	18000 18453 30	23400 22440 20	22600 22460 10	21300 21468 25	20000 21231 13	21700 21557 7	25000 25000 1	17869 210
WRITE, ABST, LIBRY	13000 13000 1	18700 18700 1	17900 18950 2	23000 21100 9	24900 23475 4	24000 24000 7	27000 24943 7	24000 24488 8	31200 31200 1	30000 30000 1	23246 41
DATA PROCESSING	0 0 0	14000 15467 3	16600 16860 5	21600 21700 4	19500 24150 2	25000 27075 4	0 0 0	0 0 0	0 0 0	0 0 0	20778 18
CONSULTING	0 0 0	15000 14833 3	18000 17000 5	16000 16000 1	0 0 0	22500 31438 8	24000 22333 3	19500 23250 2	12000 21600 2	28800 29160 5	24121 29
OTHER	10000 11660 5	12300 13533 15	18000 18567 9	23400 23645 11	26600 24145 11	25000 23814 7	32000 34742 12	34000 39480 10	29900 30625 8	25000 25000 1	24747 89
COLUMN MEAN COUNT	12691 79	14330 339	17722 346	21302 265	25221 272	27488 244	28303 396	29856 248	33260 186	36728 50	23851 2425

TABLE D-14

SALARIES OF CHEMISTS

BY WORK FUNCTION AND EXPERIENCE - MASTER'S DEGREE

WORK FUNCTION	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	ROW TOTAL
	1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE		
R&D MGMT, ADMINIS	0 0	17500 18800	21000 21725 20	24500 26120 25	30600 31116 25	34000 35329 28	35000 35964 53	32000 34969 29	32000 35980 20	32000 34291 11	32000 34291 11	32438 213
BASIC RESEARCH	15200 15617 6	17000 16553 15	17500 17036 28	21000 21895 21	23100 23444 16	26500 25908 13	26000 26592 25	27000 30850 8	26000 30750 4	44000 38600 5	44000 38600 5	22804 141
APPLIED R&D	16500 16012 17	16600 16798 51	19400 19778 95	24200 24485 72	25000 25422 46	27400 27676 50	28700 29648 88	29000 29560 40	28000 28097 39	46000 46000 1	46000 46000 1	24563 499
GEN MGMT, ADMINIS	23000 23000	18600 20150 4	21400 22415 26	26000 27804 26	31000 32132 11	31000 35013 15	29000 34138 21	39500 42639 18	39600 42958 19	24000 72000 2	24000 72000 2	33099 143
TEACHING, RESRCH	11500 12800 2	12000 12241 17	13400 13737 30	18000 17535 37	18600 18835 40	21000 21000 32	22000 21552 27	20200 20938 8	17300 20644 9	21200 21200 1	21200 21200 1	18110 203
MKT, SALE, PUR, TCH	0 0	13300 14750 8	21000 23113 8	23500 26590 20	30000 31478 18	30500 29763 16	30000 33367 21	30000 30159 17	37700 36940 5	30000 31500 2	30000 31500 2	29031 115
PRD, QUAL CONTROL	15200 15317 6	17500 17118 17	19000 20294 32	20000 20730 20	23500 22900 21	30000 31292 16	27000 28863 19	25000 28930 10	23800 25000 14	27000 27733 3	27000 27733 3	23411 158
FORENSIC, LAB ANL	15000 15000	15500 16433 15	18000 19523 26	20000 21829 14	23500 24125 8	20000 22421 14	20700 22800 7	23700 29625 4	18700 26100 4	23000 23000 1	23000 23000 1	20832 94
WRITE, ABST, LIBRY	17300 17300	12500 14250 2	18000 18500 2	19900 19975 4	20300 20567 6	22000 20680 5	23300 22767 3	23700 29625 4	18700 26100 4	23000 23000 1	23000 23000 1	21991 32
DATA PROCESSING	0 0	14200 14800 3	19200 21550 8	0 0	29500 32250 2	21900 22600 2	0 0	0 0	37000 37000 1	0 0	0 0	22719 16
CONSULTING	18400 18400	16000 16767 3	20500 20233	36000 36000	22000 22000	0 0	30300 32633 6	24500 27375 4	45000 49550 2	28000 39000 2	28000 39000 2	29122 23
OTHER	14000 14000	15100 15125 4	20500 19633 12	22700 23075 4	50000 50000	26300 28920 10	28000 26333 9	29000 26840 5	25000 33700 3	27900 51450 2	27900 51450 2	25820 51
COLUMN MEAN COUNT	15864 36	16082 141	19423 290	23392 244	25283 195	28036 201	30066 279	31445 148	31707 122	37050 32	37050 32	25379 1688

TABLE D-15

SALARIES OF CHEMISTS

BY WORK FUNCTION AND EXPERIENCE - DOCTOR'S DEGREE

WORK FUNCTION	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	ROW TOTAL
	1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE		
R&D MGMT, ADMINIS	3000. 3000. 1	26000. 25406. 17	29600. 29625. 106	33600. 33953. 133	38000. 38327. 124	40000. 42024. 137	42000. 43744. 127	42500. 45492. 172	44000. 45272. 58	44000. 45272. 58	47500. 44518. 17	38818. 812
BASIC RESEARCH	20500. 17731. 16	22000. 20756. 107	24000. 23501. 192	28700. 27939. 112	30000. 29880. 88	32500. 33766. 83	34200. 35165. 54	39000. 39167. 30	35000. 35541. 17	35000. 35541. 17	36000. 34760. 5	27599. 704
APPLIED R&D	21600. 21203. 33	23000. 22609. 203	25700. 25458. 292	30000. 29804. 215	30400. 31350. 155	31600. 32665. 133	33000. 32642. 112	33000. 34060. 57	34900. 35563. 40	34900. 35563. 40	34000. 32678. 9	28542. 1249
GEN MGMT, ADMINIS	0. 0.	22600. 23720. 5	26100. 28752. 29	31000. 31229. 48	33000. 33260. 35	36800. 44959. 51	40000. 45752. 61	36000. 52862. 26	40000. 47857. 30	40000. 47857. 30	38500. 106350. 4	41287. 289
TEACHING, RESRCH	12500. 14800. 9	14900. 15739. 104	16600. 17607. 298	19900. 20831. 315	22500. 23822. 251	24800. 25641. 195	26000. 27780. 153	27000. 28569. 108	28000. 30493. 54	28000. 30493. 54	30000. 29250. 8	22592. 1495
MKT, SALE, PUR, TCH	20000. 20000. 1	21600. 22250. 8	27000. 28017. 24	32000. 33439. 18	32000. 33500. 9	36200. 37000. 9	38500. 40850. 8	36000. 38200. 7	39000. 39056. 2	39000. 39056. 2	32700. 41350. 2	33002. 95
PRD, QUAL CONTROL	22000. 22250. 2	20500. 20193. 14	25500. 24519. 21	29000. 27862. 13	27000. 29820. 10	30000. 30318. 11	22000. 22167. 3	37000. 37900. 2	25000. 29000. 2	25000. 29000. 2	34000. 34000. 1	26206. 79
FORENSIC, LAB ANL	19800. 19967. 3	20000. 20000. 7	25000. 24305. 21	25000. 26744. 16	23000. 29100. 4	26000. 27717. 6	29400. 37967. 6	16000. 24120. 5	25900. 31450. 2	25900. 31450. 2	60000. 60000. 1	26174. 70
WRITE, ABST, LIBRY	0. 0.	21900. 23600. 2	26100. 27200. 4	22800. 21780. 5	23000. 23500. 5	25000. 26429. 7	30000. 34780. 5	29000. 31860. 5	36000. 36000. 1	36000. 36000. 1	60000. 60000. 1	28474. 35
DATA PROCESSING	21300. 21300. 1	19600. 19033. 3	22500. 22920. 5	26500. 26500. 1	20000. 23150. 2	18400. 22700. 2	32900. 37150. 2	34000. 34000. 1	30000. 30000. 1	30000. 30000. 1	0. 0.	24972. 18
CONSULTING	0. 0.	25000. 25500. 2	0. 0.	30900. 31750. 4	40000. 49250. 4	33800. 36533. 6	25400. 30150. 6	40000. 42050. 6	35000. 40250. 4	35000. 40250. 4	40000. 40000. 1	37224. 33
OTHER	24000. 33500. 2	22800. 25150. 2	26000. 26300. 15	35000. 37573. 11	28400. 35145. 11	27000. 29130. 10	37800. 37133. 13	29000. 29233. 3	30000. 30000. 2	30000. 30000. 2	45000. 45000. 1	33336. 70
COLUMN MEAN COUNT	19990. 68	20684. 474	23319. 1007	27288. 911	29868. 698	33494. 650	35790. 550	36797. 322	38860. 220	38860. 220	43792. 49	29168. 4949

TABLE D-16

SALARIES OF CHEMISTS

BY WORK SPECIALTY AND DEGREE

WORK SPECIALTY	HIGHEST DEGREE EARNED			ROW TOTAL	
	BACHLORS	MASTERS	DOCTORS		
ANALYTICAL	MEDIAN	20000.	22900.	25000.	23521. 1631
	MEAN	21096.	23780.	26424.	
	COUNT	706	368	557	
INORGANIC		24000.	24300.	22400.	23907. 411
		24055.	25019.	23681.	
		77	48	286	
ORGANIC		24500.	25500.	26000.	27574. 1359
		26581.	26846.	27961.	
		221	198	940	
POLYMER, MACROMOL		25000.	26000.	31000.	29505. 1131
		26420.	27589.	32162.	
		337	234	560	
PHYSICAL, THEORET		25000.	27000.	25700.	26979. 520
		24705.	26500.	27117.	
		22	30	468	
BIOCHEMISTRY		17500.	20400.	26500.	26769. 660
		17168.	21181.	28147.	
		53	47	560	
AGRICUL, FOOD		22000.	24800.	30400.	28559. 386
		24997.	26919.	31722.	
		128	75	183	
PHARMA, MED, CLN		19500.	24000.	30000.	28439. 682
		21786.	24371.	32141.	
		150	125	407	
CHEMISTRY, GENERAL		23100.	20000.	24100.	25242. 730
		24854.	21837.	28226.	
		248	210	272	
CHEMISTRY, OTHER		22900.	25000.	30000.	28761. 1069
		25781.	27370.	31570.	
		328	263	478	
NON-CHEMICAL		23500.	23300.	31500.	30459. 483
		24354.	27524.	35544.	
		155	90	238	
COLUMN	MEAN COUNT	23851. 2425	25379. 1688	29168. 4949	27039. 9062

TABLE D-17

SALARIES OF CHEMISTS

BY WORK SPECIALTY AND DEGREE - MEN

WORK SPECIALTY	HIGHEST DEGREE EARNED			ROW TOTAL	
	BACHLORS	MASTERS	DOCTORS		
ANALYTICAL	MEDIAN	21000.	23500.	25000.	24124.
	MEAN	21694.	24387.	26726.	
	COUNT	601	319	529	
INORGANIC	MEDIAN	24000.	25000.	23000.	24187.
	MEAN	24393.	25495.	23920.	
	COUNT	72	44	271	
ORGANIC	MEDIAN	25000.	26000.	26000.	27897.
	MEAN	27320.	27378.	28127.	
	COUNT	202	181	912	
POLYMER, MACROMOL	MEDIAN	25000.	26500.	31000.	29826.
	MEAN	26755.	28000.	32361.	
	COUNT	321	221	548	
PHYSICAL, THEORET	MEDIAN	25000.	27000.	26000.	27387.
	MEAN	24922.	26472.	27549.	
	COUNT	18	29	437	
BIOCHEMISTRY	MEDIAN	20000.	23000.	27500.	28107.
	MEAN	18394.	22941.	29108.	
	COUNT	35	29	489	
AGRICUL, FOOD	MEDIAN	23000.	25000.	30700.	29436.
	MEAN	26374.	27447.	32084.	
	COUNT	105	70	174	
PHARMA, MED, CLN	MEDIAN	21000.	24500.	30000.	29532.
	MEAN	22959.	25513.	32579.	
	COUNT	120	94	383	
CHEMISTRY, GENERAL	MEDIAN	24000.	22000.	25000.	26478.
	MEAN	25615.	23226.	29507.	
	COUNT	227	167	244	
CHEMISTRY, OTHER	MEDIAN	24000.	26000.	30000.	29646.
	MEAN	27244.	28092.	31986.	
	COUNT	281	240	448	
NON-CHEMICAL	MEDIAN	25000.	27000.	32500.	32353.
	MEAN	26117.	28630.	36631.	
	COUNT	109	69	219	
COLUMN	MEAN COUNT	24790. 2091	26243. 1463	29628. 4654	27792. 8208

TABLE D-18

SALARIES OF CHEMISTS

BY WORK SPECIALTY AND DEGREE - WOMEN

WORK SPECIALTY	HIGHEST DEGREE EARNED			ROW TOTAL	
	BACHLORS	MASTERS	DOCTORS		
ANALYTICAL	MEDIAN	16800.	20000.	20500.	18723.
	MEAN	17670.	19835.	20725.	
	COUNT	105	49	28	
INORGANIC	MEDIAN	16000.	19900.	18000.	19400.
	MEAN	19180.	19775.	19373.	
	COUNT	5	4	15	
ORGANIC	MEDIAN	18000.	20000.	22000.	20805.
	MEAN	18721.	21182.	22081.	
	COUNT	19	17	26	
POLYMER, MACROMOL	MEDIAN	16000.	21100.	21600.	20743.
	MEAN	19713.	20600.	22409.	
	COUNT	16	13	11	
PHYSICAL, THEORET	MEDIAN	22400.	27300.	19500.	21503.
	MEAN	23725.	27300.	21029.	
	COUNT	4	1	31	
BIOCHEMISTRY	MEDIAN	13500.	19100.	21000.	19870.
	MEAN	14783.	18353.	21523.	
	COUNT	18	17	71	
AGRICUL, FOOD	MEDIAN	16200.	18700.	22500.	20025.
	MEAN	18218.	19520.	24722.	
	COUNT	22	5	9	
PHARMA, MED, CLN	MEDIAN	16500.	20400.	25000.	20760.
	MEAN	17093.	20910.	25150.	
	COUNT	30	31	24	
CHEMISTRY, GENERAL	MEDIAN	15000.	16500.	16000.	16529.
	MEAN	15965.	16440.	17068.	
	COUNT	20	43	28	
CHEMISTRY, OTHER	MEDIAN	15700.	17000.	24300.	20090.
	MEAN	17034.	19427.	25363.	
	COUNT	47	22	30	
NON-CHEMICAL	MEDIAN	20000.	19400.	22800.	21712.
	MEAN	20178.	23890.	23016.	
	COUNT	46	21	19	
COLUMN	MEAN COUNT	17907. 332	19731. 223	21828. 292	19739. 847

TABLE D-19

SALARIES OF CHEMISTS

BY WORK SPECIALTY AND EXPERIENCE - BACHELOR'S DEGREE

WORK SPECIALTY	1 OR LESS	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	TOTAL
		2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39				
ANALYTICAL	MEDIAN	14500.	16700.	19600.	24000.	25600.	26000.	24500.	26000.	27000.	27000.	25900.	21096. 706
	MEAN	14234. 116	17389. 117	20392. 96	24071. 89	26269. 59	26272. 57	25272. 108	26160. 57	27219. 31	27219. 31	26720. 5	
INORGANIC	9000.	15000.	16000.	22500.	24000.	24000.	28500.	25000.	25000.	30000.	30000.	23800.	24055. 77
	9000.	14645. 11	16450. 10	21667. 3	25686. 7	26175. 8	29329. 17	25590. 10	30388. 8	30388. 8	32900. 2		
ORGANIC	11900.	14000.	18500.	26000.	28000.	30000.	30000.	30000.	30000.	30000.	30000.	30000.	26581. 221
	13417. 6	14500. 32	18731. 26	25666. 32	30526. 27	31140. 43	37143. 14	37009. 22	37143. 14	37143. 14	35450. 8		
POLYMER, MACROMOL	13800.	14800.	18200.	25000.	30000.	27100.	28000.	28000.	28000.	28000.	28000.	35000.	26420. 337
	13633. 6	15428. 36	19526. 38	27681. 31	29784. 37	30969. 65	28665. 43	28665. 43	28665. 43	28665. 43	34383. 6		
PHYSICAL, THEORET	4700.	13700.	19000.	25000.	22400.	22400.	26000.	26000.	25800.	25000.	25000.	27100.	24705. 22
	4700. 1	16350. 2	19500. 2	25900. 6	26200. 1	26200. 1	28900. 3	28900. 3	31650. 2	26500. 2	26500. 2	30090. 2	
BIOCHEMISTRY	11000.	10600.	11600.	16300.	19200.	19200.	20700.	20700.	25000.	24000.	24000.	21000.	17168. 53
	12250. 2	11136. 14	14111. 9	20650. 2	19700. 6	19700. 6	22375. 4	22375. 4	27700. 2	25375. 4	25375. 4	21000. 1	
AGRICUL, FOOD	14100.	15000.	18500.	23000.	28500.	28500.	25500.	25500.	29500.	34000.	34000.	40000.	24997. 128
	14680. 5	14567. 21	16813. 15	24760. 15	34109. 11	34109. 11	28183. 18	28183. 18	30300. 16	34285. 13	34285. 13	44250. 4	
PHARMA, MED, CLN	12500.	14700.	16000.	23400.	24000.	24000.	25000.	25000.	36000.	28000.	28000.	28800.	21786. 150
	14480. 5	14774. 27	17150. 32	26073. 11	23787. 15	23787. 15	29005. 21	29005. 21	34545. 11	26119. 9	26119. 9	29267. 3	
CHEMSTRY, GENERAL	11000.	15200.	17500.	23500.	25400.	25400.	27000.	27000.	26300.	29000.	29000.	26000.	24854. 248
	11311. 9	14439. 23	17881. 30	25450. 34	27108. 26	27108. 26	29007. 45	29007. 45	29617. 24	36120. 25	36120. 25	25167. 6	
CHEMSTRY, OTHER	10000.	14400.	18300.	24000.	26100.	26100.	26000.	26000.	29900.	29000.	29000.	32700.	25781. 328
	10888. 8	13922. 36	17717. 54	26222. 27	26615. 40	26615. 40	27985. 47	27985. 47	32131. 42	37114. 35	37114. 35	51356. 9	
NON-CHEMICAL	13000.	14800.	18800.	23500.	25700.	25700.	27000.	27000.	25000.	35000.	35000.	23000.	24354. 155
	13400. 8	14267. 21	19300. 13	23971. 18	27500. 14	27500. 14	28588. 25	28588. 25	29826. 19	34400. 10	34400. 10	33500. 4	
CGLUMN (MEAN COUNT)	12691. 79	14330. 339	17722. 346	25221. 272	27488. 244	27488. 244	28303. 396	28303. 396	29856. 248	33260. 186	33260. 186	36728. 50	23851. 2425

TABLE D-20

SALARIES OF CHEMISTS

BY WORK SPECIALTY AND EXPERIENCE - MASTER'S DEGREE

WORK SPECIALTY	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	ROW TOTAL
	1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE		
ANALYTICAL	16200. 15493. 14	17000. 16860. 42	19200. 19237. 73	23000. 23398. 57	25100. 25232. 34	26500. 26344. 43	28000. 28315. 53	28800. 30879. 19	31000. 31277. 22	27500. 29275. 11	23780. 368	
INORGANIC	17000. 17250. 2	15500. 17100. 4	17000. 18083. 6	22000. 25200. 7	25000. 28000. 4	28900. 29083. 6	26000. 29729. 7	32000. 28667. 3	28000. 27475. 8	26700. 26700. 1	25019. 48	
ORGANIC	11500. 13350. 2	16600. 15500. 12	18500. 19575. 24	24000. 23588. 33	24500. 25110. 21	28700. 30121. 19	28700. 30302. 41	31600. 34039. 23	30000. 31335. 20	30000. 34333. 3	26846. 198	
POLYMER, MACROMOL	16200. 16020. 5	17100. 17685. 20	21600. 21239. 38	24300. 25152. 25	27500. 28392. 26	28000. 28313. 23	31800. 32771. 52	31000. 35238. 19	25000. 27535. 20	40000. 51667. 6	27589. 234	
PHYSICAL, THEORET	0. 0	13800. 15150. 2	19400. 19900. 3	27300. 26613. 8	29700. 29700. 1	23200. 22550. 4	31000. 30714. 7	23000. 26733. 3	0. 0	30000. 38500. 2	26500. 30	
BIOCHEMISTRY	15500. 15500. 1	12300. 12650. 2	17200. 17314. 7	18000. 17944. 9	21000. 21200. 6	27000. 29567. 3	25500. 24013. 15	25200. 25325. 4	0. 0	0. 0	21181. 47	
AGRICUL, FOOD	16900. 16900. 1	14400. 14467. 6	19400. 20338. 13	21300. 24700. 6	24800. 25011. 9	24000. 26335. 11	35000. 37817. 12	28800. 31825. 8	24600. 29614. 7	27900. 35950. 2	26919. 75	
PHARMA, MED, CLN	14600. 14800. 2	15600. 16427. 11	19500. 19600. 29	23500. 23967. 15	25400. 26841. 17	25000. 27348. 21	29400. 29593. 15	28000. 29000. 8	24000. 29617. 6	24000. 24000. 1	24371. 125	
CHEMISTRY, GENERAL	11500. 12800. 2	10500. 11617. 12	15000. 15906. 33	18500. 19551. 37	19000. 20946. 35	22500. 23457. 28	24000. 27997. 35	28000. 28507. 14	25000. 27115. 13	51000. 51000. 1	21837. 210	
CHEMISTRY, OTHER	18400. 17000. 5	16000. 16463. 24	19600. 20037. 49	24200. 25088. 31	25000. 27271. 34	31200. 33527. 30	31000. 31543. 28	30000. 31078. 37	34500. 38786. 22	42000. 46667. 3	27370. 263	
NON-CHEMICAL	17300. 20150. 2	16000. 15617. 6	20500. 21507. 15	22100. 26694. 16	20200. 24525. 8	31000. 30669. 13	29000. 28371. 14	30700. 34930. 10	34100. 48025. 4	28000. 30000. 2	27524. 90	
COLUMN MEAN COUNT	15864. 36	16082. 141	19423. 290	23392. 244	25283. 195	28036. 201	30066. 279	31445. 148	31707. 122	37050. 32	25379. 1688	

SALARIES OF CHEMISTS

BY WORK SPECIALTY AND EXPERIENCE - DOCTOR'S DEGREE

WORK SPECIALTY	1 OR LESS	YEARS OF PROFESSIONAL EXPERIENCE								40 OR MORE	TOTAL
		2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39		
ANALYTICAL	MEDIAN	21500.	24700.	25000.	27800.	30000.	30000.	28500.	24900.	34000.	26424.
	MEAN	20653.	24156.	25192.	29110.	30919.	30235.	33073.	34583.	39240.	557.
INORGANIC	COUNT	79	128	106	68	68	51	22	12	5	
		20000.	18300.	21000.	25000.	27900.	28000.	30000.	31000.	34000.	23681.
ORGANIC		19674.	20334.	22761.	25515.	27626.	27733.	31850.	31900.	38000.	286.
		22000.	24000.	27000.	27700.	30000.	32000.	32000.	33800.	36000.	
POLYMER, MACROMOL		20541.	23171.	26479.	28795.	32334.	35102.	33895.	35802.	38417.	
		119	184	163	133	119	95	65	36	12	
PHYSICAL, THEORET		23300.	27000.	30000.	32056.	35000.	35400.	36000.	46800.	40000.	27962.
		54	88	117	86	75	75	32	23	6	940.
BIOCHEMISTRY		22000.	22500.	22000.	25000.	30800.	33000.	30000.	38000.	0.	32162.
		36	85	89	75	74	49	26	29	0.	560.
AGRICUL, FOOD		16000.	21000.	25800.	29000.	32000.	33000.	36000.	38000.	34000.	27117.
		51	145	89	93	70	65	34	23	6	468.
PHARMA, MED, CLN		21900.	24000.	30000.	31500.	34000.	35000.	35000.	40000.	30000.	28147.
		14	34	39	18	28	17	16	12	4	560.
CHEMISTRY, GENERAL		21000.	25000.	31300.	31000.	35000.	40000.	42000.	36000.	49000.	31722.
		33	93	75	53	52	42	27	25	2	183.
CHEMISTRY, OTHER		15600.	16200.	21600.	26000.	30800.	32000.	29000.	35000.	45400.	32141.
		13	54	51	33	37	42	22	13	3	407.
NON-CHEMICAL		21400.	26000.	30200.	30300.	33800.	36700.	33600.	37000.	30000.	28226.
		42	89	82	68	56	61	42	25	5	272.
COLUMN MEAN COUNT		22200.	22900.	30000.	29000.	30000.	40000.	36000.	44000.	45000.	31570.
		14	30	34	38	42	41	24	11	2	478.
		20684.	23319.	27288.	29868.	33494.	35790.	36797.	38860.	43792.	35544.
		474	1007	911	698	650	550	522	220	49	238
											29168.
											4949

TABLE D-22

SALARIES OF CHEMISTS

BY GEOGRAPHIC REGION AND DEGREE

GEOGRAPHIC REGION	HIGHEST DEGREE EARNED			ROW TOTAL	
	BACHLORS	MASTERS	DOCTORS		
PACIFIC	MEDIAN	21000.	25000.	27000.	26361. 855
	MEAN	22563.	26121.	28554.	
	COUNT	246	165	444	
MOUNTAIN	MEDIAN	21000.	21600.	25000.	24939. 278
	MEAN	22311.	22698.	26697.	
	COUNT	64	52	162	
WEST NO. CENTRAL	MEDIAN	19500.	22000.	25000.	24858. 521
	MEAN	21593.	23235.	26666.	
	COUNT	137	72	312	
WEST SO. CENTRAL	MEDIAN	23200.	23000.	26800.	26131. 627
	MEAN	24368.	24424.	27706.	
	COUNT	173	125	329	
EAST NO. CENTRAL	MEDIAN	21700.	23000.	27000.	25976. 1801
	MEAN	22569.	24434.	28681.	
	COUNT	547	360	894	
EAST SO. CENTRAL	MEDIAN	23400.	24000.	25000.	26007. 291
	MEAN	27057.	23541.	26238.	
	COUNT	63	44	184	
MIDDLE ATLANTIC	MEDIAN	23500.	25000.	29000.	28585. 1976
	MEAN	24605.	26231.	31289.	
	COUNT	502	393	1081	
SOUTH ATLANTIC	MEDIAN	22600.	24000.	28000.	27830. 1269
	MEAN	24099.	26072.	30001.	
	COUNT	327	210	732	
NEW ENGLAND	MEDIAN	21000.	23100.	26000.	26201. 573
	MEAN	24272.	24781.	27501.	
	COUNT	138	110	325	
COLUMN	MEAN COUNT	23570. 2197	25185. 1531	29045. 4463	26855. 8191

See page 141 for list of states by geographic region.

TABLE D-23

SALARIES OF CHEMISTS

BY GEOGRAPHIC REGION AND EXPERIENCE - BACHELOR'S DEGREE

GEOGRAPHIC REGION	1 OR LESS	YEARS OF PROFESSIONAL EXPERIENCE								40 OR MORE	ROW TOTAL
		2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39		
PACIFIC	13200. 12660. 10	13700. 14205. 38	17800. 18253. 34	20800. 20909. 32	22900. 22629. 31	27800. 27307. 15	25000. 26985. 34	26000. 25906. 34	28000. 32125. 16	19000. 17500. 2	22563. 246
MOUNTAIN	12300. 12875. 4	15600. 15850. 10	17300. 19825. 8	20500. 19856. 9	20000. 21700. 6	26000. 25986. 7	26000. 27409. 11	24000. 30000. 3	24000. 29500. 6	0. 0. 0	22311. 64
WEST NO. CENTRAL	10000. 11650. 6	12700. 13192. 25	16800. 17828. 29	20000. 20863. 16	22400. 23838. 16	25000. 26013. 15	28600. 32700. 12	24700. 29092. 12	30000. 33417. 6	0. 0. 0	21593. 137
WEST SO. CENTRAL	10000. 12233. 3	15000. 15141. 22	15700. 16726. 36	22600. 22447. 19	26600. 27067. 12	28300. 29110. 20	25000. 27533. 27	30000. 31356. 18	27000. 36558. 12	35000. 40925. 4	24368. 173
EAST NO. CENTRAL	13500. 13477. 13	14500. 14545. 88	18000. 17726. 84	21100. 20967. 69	23200. 25791. 56	24000. 26728. 54	26000. 27517. 77	26000. 27677. 56	26600. 27016. 38	28800. 30583. 12	22569. 547
EAST SO. CENTRAL	10000. 10000. 1	16200. 15150. 8	16000. 17720. 10	20000. 22020. 5	23400. 22522. 9	25600. 23783. 6	27400. 30840. 10	27000. 27500. 5	28000. 29483. 6	42000. 105967. 3	27057. 63
MIDDLE ATLANTIC	14000. 12683. 12	14800. 14507. 73	17300. 17428. 60	23300. 22928. 46	25000. 26392. 51	25600. 26942. 50	27000. 28092. 107	28000. 28437. 43	33000. 37169. 42	27000. 30972. 18	24605. 502
SOUTH ATLANTIC	12000. 15228. 18	15000. 13950. 32	17800. 18009. 46	19300. 20197. 38	25000. 25560. 48	25000. 26471. 31	28000. 28342. 53	31000. 31814. 28	35000. 34531. 27	35000. 37633. 6	24059. 327
NEW ENGLAND	12500. 12500. 9	14100. 14059. 22	15000. 15208. 12	20000. 19920. 15	26300. 26333. 15	27700. 29717. 17	24000. 28960. 20	27300. 37244. 16	26000. 32000. 11	19200. 19200. 1	24272. 138
COLUMN MEAN COUNT	12799. 76	14393. 318	17603. 319	21229. 249	25216. 244	27082. 215	28130. 351	29847. 215	32808. 164	36654. 46	23570. 2197

See page 141 for list of states by geographic region.

TABLE D-24

SALARIES OF CHEMISTS

BY GEOGRAPHIC REGION AND EXPERIENCE - MASTER'S DEGREE

GEOGRAPHIC REGION	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	ROW TOTAL
	1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE		
PACIFIC	15500. 15500.	16000. 16342. 12	20000. 19982. 29	24700. 24253. 19	25000. 26229. 24	24300. 24757. 21	28000. 30732. 28	31000. 33593. 15	30000. 33800. 13	32500. 35167. 3	26121. 165	
MOUNTAIN	14100. 14100.	15000. 15950. 6	18000. 18436. 11	18500. 20413. 8	24000. 22575. 4	20000. 23825. 4	29000. 31335. 12	24000. 26200. 2	22800. 22600. 4	0. 0. 0	22698. 52	
WEST NO. CENTRAL	14100. 14100.	16500. 16620. 10	19200. 19369. 13	18000. 22340. 10	23400. 24550. 8	23200. 24544. 9	26500. 26829. 14	32000. 29700. 5	34000. 34000. 1	42000. 42000. 1	23235. 72	
WEST SO. CENTRAL	16200. 16120. 5	15100. 15736. 14	19800. 18625. 25	23000. 22988. 17	26000. 26392. 13	30000. 30964. 14	28600. 29522. 18	33000. 32189. 9	28000. 30600. 9	21200. 21200. 1	24424. 125	
EAST NO. CENTRAL	17000. 17322. 9	17200. 17100. 24	18500. 19088. 58	21500. 23042. 67	23100. 24398. 44	25000. 25714. 37	28800. 29665. 57	28000. 28074. 35	27500. 30496. 24	27000. 29740. 5	24434. 360	
EAST SO. CENTRAL	0. 0.	15000. 14720. 5	18400. 20670. 10	23500. 24600. 6	18100. 22250. 4	28600. 28533. 3	24000. 23850. 8	40000. 37500. 3	25000. 26000. 5	0. 0.	23541. 44	
MIDDLE ATLANTIC	15000. 14392. 12	15600. 15824. 34	19000. 19550. 58	22500. 23214. 56	25800. 27147. 43	28000. 28549. 47	28700. 30655. 64	31000. 32462. 37	28000. 33197. 31	40000. 41855. 11	26331. 593	
SOUTH ATLANTIC	15000. 17125. 4	16600. 16300. 19	19400. 19525. 41	23000. 24093. 28	24000. 24933. 24	31000. 30793. 30	28000. 30022. 32	31200. 33767. 12	30000. 32556. 16	28000. 53175. 4	26072. 210	
NEW ENGLAND	14000. 14250. 2	14000. 13940. 10	19200. 18976. 25	24500. 25492. 13	23100. 22285. 13	28000. 30732. 19	26000. 27650. 10	34500. 36922. 9	28000. 31000. 5	23700. 28650. 4	24781. 110	
COLUMN MEAN COUNT	15780. 35	16040. 134	19346. 270	23374. 224	25295. 177	28033. 184	29730. 243	31718. 127	31538. 108	38107. 29	25185. 1531	

See page 141 for list of states by geographic region.

TABLE D-25

SALARIES OF CHEMISTS

BY GEOGRAPHIC REGION AND EXPERIENCE - DOCTOR'S DEGREE

GEOGRAPHIC REGION	10 OR LESS	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	ROW TOTAL
		2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE			
PACIFIC	18000. 16460. 5	22500. 22241. 49	23000. 22573. 99	28000. 27319. 67	26000. 26646. 46	31600. 34333. 54	34000. 34848. 58	33000. 35073. 41	35900. 35324. 21	38500. 40025. 4	28554. 444		
MOUNTAIN	0. 0	17700. 18594. 18	21000. 22154. 35	25800. 25544. 32	25000. 26971. 22	34000. 33529. 21	31000. 30545. 20	28000. 33850. 4	35000. 35517. 6	34000. 36150. 4	26697. 162		
WEST NO. CENTRAL	21600. 22100. 4	18000. 18152. 33	22000. 22389. 66	27000. 26234. 58	28500. 28572. 43	26000. 27160. 42	33000. 34782. 53	31000. 32421. 19	32500. 36531. 13	25000. 25000. 1	26666. 312		
WEST SO. CENTRAL	21000. 20963. 8	20600. 19134. 38	22000. 22528. 58	27600. 26994. 83	28000. 28350. 50	31900. 33713. 46	32400. 33932. 25	38400. 37673. 11	38200. 45200. 8	35500. 40450. 2	27706. 329		
EAST NO. CENTRAL	20100. 19556. 16	21500. 20935. 99	23000. 23212. 167	27000. 27034. 183	29600. 30948. 137	32000. 33696. 118	33100. 33508. 78	33600. 35988. 52	38000. 40353. 36	33000. 36838. 8	28682. 894		
EAST SO. CENTRAL	21000. 18467. 3	20000. 20144. 16	21400. 21365. 43	25000. 24764. 28	28000. 29217. 23	27500. 26917. 23	24000. 26345. 22	31800. 31940. 10	36400. 40488. 16	0. 0	26238. 184		
MIDDLE ATLANTIC	20500. 19000. 15	22200. 21265. 98	25000. 24917. 221	30000. 29414. 200	31000. 32862. 163	32000. 35384. 146	36000. 39502. 109	32700. 36659. 70	38200. 40027. 45	42000. 62286. 14	31231. 1081		
SOUTH ATLANTIC	20500. 22620. 5	21000. 19904. 55	24100. 23408. 163	27000. 26919. 123	28000. 27781. 100	34800. 34108. 86	37000. 37570. 100	37000. 43338. 61	36000. 37832. 34	48000. 45500. 5	30002. 732		
NEW ENGLAND	22000. 20520. 5	22600. 21385. 33	22000. 21967. 70	22000. 23929. 58	29500. 30086. 35	33000. 35248. 56	34000. 34121. 33	29000. 30144. 18	30000. 31071. 14	16500. 24433. 3	27501. 325		
COLUMN MEAN COUNT	19793. 61	20569. 439	23264. 922	27202. 832	29992. 619	33638. 592	35554. 478	36877. 286	38425. 193	45807. 41	29046. 4463		

See page 141 for list of states by geographic region.

TABLE D-26

SALARIES OF CHEMISTS

BY DEGREE AND SELECTED STATES OF RESIDENCE

HIGHEST DEGREE EARNED	PCTILE	STATE OF RESIDENCE										NEW JER- SEY	ROW TOTAL	
		CALIFOR- NIA	TEXAS	MICHIGAN	ILLINOIS	OHIO	NEW YORK	PENNSYL- VANIA	NEW JER- SEY	ROW TOTAL				
BACHLORS	10	13200.	15000.	13800.	13700.	13000.	13700.	13000.	13700.	13000.	13700.	13000.	14100.	24073. 1298. 10824.
	25	16700.	18000.	17800.	17000.	16000.	16500.	16000.	16500.	16000.	16500.	16000.	18400.	
	50	21600.	23800.	21000.	22200.	21900.	21800.	21900.	21800.	21900.	21800.	21900.	25000.	
	75	27000.	30000.	27100.	28000.	26300.	27500.	26300.	27500.	26300.	27500.	26300.	32000.	
	90	32900.	38900.	34400.	35000.	29300.	37500.	29300.	37500.	29300.	37500.	29300.	38000.	
MEAN		23157.	25708.	23715.	23658.	21639.	23658.	21639.	23658.	21639.	23658.	25914.		
COUNT		23210.	118.	119.	163.	174.	163.	174.	163.	174.	163.	194.		
STD DEV		11256.	11562.	11297.	9496.	7961.	9496.	7961.	9496.	7961.	9496.	10018.		
MASTERS	10	18000.	13200.	17700.	15000.	18000.	15000.	18000.	15000.	18000.	15000.	17000.	25984. 984. 9978.	
	25	20500.	18000.	21000.	17600.	20000.	19000.	20000.	19000.	20000.	17500.	20000.		
	50	25000.	24000.	24000.	22000.	24000.	25000.	24000.	25000.	24000.	25000.	25500.		
	75	29000.	31000.	30700.	25500.	29000.	30000.	29000.	30000.	29000.	31000.	33000.		
	90	36000.	40000.	39000.	33600.	33000.	36000.	33000.	36000.	33000.	36000.	42000.		
MEAN		26435.	25533.	26857.	23463.	25261.	23463.	25261.	23463.	25261.	24858.	28054.		
COUNT		144.	86.	81.	121.	122.	121.	122.	121.	122.	111.	188.		
STD DEV		9195.	10572.	8746.	8461.	7747.	8461.	7747.	8461.	7747.	9791.	11095.		
DOCTORS	10	18300.	15900.	18100.	18000.	18500.	17600.	18000.	18500.	17600.	18000.	22000.	30070. 2411. 13202.	
	25	23000.	20600.	21900.	22700.	21800.	22000.	21800.	22000.	21800.	23100.	25000.		
	50	27300.	27000.	29000.	27000.	26400.	27500.	26400.	27500.	26400.	28000.	31000.		
	75	35000.	33000.	36000.	33600.	31300.	34500.	31300.	34500.	31300.	35200.	37800.		
	90	42000.	41000.	45000.	44600.	37000.	43000.	37000.	43000.	37000.	43000.	47000.		
MEAN		29297.	28317.	30088.	29432.	27537.	30786.	27537.	30786.	27537.	29905.	33607.		
COUNT		380.	208.	206.	233.	286.	233.	286.	233.	286.	350.	372.		
STD DEV		9706.	11220.	10717.	11478.	10046.	20777.	10046.	20777.	10046.	10223.	13675.		
COLUMN	MEAN	26978.	26989.	27576.	26214.	25297.	28733.	26214.	28733.	25297.	27376.	30243.	27554.	
	COUNT	734.	412.	406.	517.	582.	631.	517.	631.	582.	657.	754.	4693.	
	STD DEV	10410.	11242.	10868.	10617.	9346.	18459.	10617.	18459.	9346.	10280.	12651.	12243.	

TABLE D-27

SALARIES OF CHEMISTS

BY SELECTED STATES OF RESIDENCE AND EXPERIENCE - BACHELOR'S DEGREE

STATE OF RESIDENCE	MEDIAN MEAN COUNT	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	RJM TOTAL
		1-3 LESS	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39			
CALIFORNIA	14300. 12600. 5	14320. 14352. 29	17900. 18556. 32	22000. 22008. 26	23700. 22660. 25	28000. 29317. 12	24500. 26393. 33	27000. 31386. 29	28000. 32000. 16	10000. 17500. 2	23157. 210		
TEXAS	10000. 12233. 3	17300. 16257. 14	18000. 17795. 22	22000. 22808. 13	26400. 26980. 10	28200. 29175. 12	25000. 27927. 15	32000. 35071. 17	38000. 39256. 9	35000. 34000. 3	25708. 118		
MICHIGAN	13000. 15000. 2	15000. 15223. 26	18700. 18184. 19	21000. 21490. 18	24000. 27050. 16	32000. 32871. 17	25000. 36117. 12	30000. 30267. 9	26600. 27350. 6	32700. 33200. 4	23715. 119		
ILLINOIS	12000. 13500. 2	14900. 15120. 20	18400. 17971. 24	19500. 22290. 20	23200. 27586. 14	23700. 25640. 20	24400. 26428. 25	26000. 29027. 22	27100. 26869. 13	33300. 34033. 3	23658. 163		
OHIO	13500. 12860. 5	14400. 13537. 30	17300. 16861. 18	22000. 21238. 21	22900. 21775. 16	23500. 26411. 19	26000. 25971. 28	25800. 26981. 21	26500. 25650. 14	22000. 22500. 2	21639. 174		
NEW YORK	14000. 12767. 3	14800. 14646. 24	17000. 17635. 17	27000. 26500. 10	23700. 24660. 10	21000. 23100. 11	26900. 28776. 25	27000. 39273. 11	47600. 48129. 7	27000. 29500. 6	25150. 124		
PENNSYLVANIA	8800. 8900. 2	13400. 14148. 27	17500. 17061. 23	21000. 21935. 17	25000. 27492. 25	27200. 27668. 19	27000. 27764. 47	26500. 27328. 18	30000. 34031. 13	26000. 28600. 5	24287. 196		
NEW JERSEY	14400. 13729. 7	14500. 14795. 22	17300. 17675. 20	23100. 22240. 20	26000. 26829. 17	28000. 28467. 21	28500. 29671. 38	30000. 29024. 17	33000. 35808. 25	33000. 33929. 7	25914. 194		
COLUMN MEAN COUNT	12836. 33	14620. 192	17775. 175	22251. 145	25517. 133	27473. 121	28055. 220	30565. 144	33129. 103	30450. 32	24073. 1298		

TABLE D-28

SALARIES OF CHEMISTS

BY SELECTED STATES OF RESIDENCE AND EXPERIENCE - MASTER'S DEGREE

STATE OF RESIDENCE	1 OR LESS	YEARS OF PROFESSIONAL EXPERIENCE										49 OR MORE	ROW TOTAL
		2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44			
CALIFORNIA	15500. 15500. 1	16300. 16808. 13	20000. 20796. 24	24700. 24739. 18	26200. 27153. 19	24300. 24710. 21	28000. 31568. 22	30800. 34250. 12	28600. 35880. 10	29000. 32275. 4	26435. 144		
TEXAS	11500. 15350. 2	15100. 15422. 9	20300. 19541. 17	23400. 24180. 10	26000. 26617. 12	30000. 30158. 12	26000. 30200. 14	31600. 33500. 6	40000. 42000. 3	21200. 21200. 1	25533. 86		
MICHIGAN	17600. 17767. 3	17500. 17890. 5	21000. 21900. 11	23900. 23943. 21	24000. 26814. 7	28500. 28478. 9	33000. 33292. 13	30700. 32820. 5	31000. 37020. 5	24000. 31500. 2	26857. 81		
ILLINOIS	14400. 15700. 2	16600. 17060. 10	17200. 17500. 21	20500. 21511. 18	23500. 26578. 18	25000. 28183. 6	24700. 24527. 15	25000. 26795. 21	24000. 31288. 8	21900. 26950. 2	23463. 121		
OHIO	18400. 18950. 4	16300. 17550. 8	19100. 20100. 9	21600. 24896. 27	24300. 24600. 13	25000. 26200. 15	28700. 29833. 24	28000. 25944. 9	23800. 26955. 11	26700. 26850. 2	25261. 122		
NEW YORK	12000. 13075. 4	15600. 16532. 15	19200. 19026. 19	24300. 24412. 17	25000. 25682. 11	28000. 27747. 15	27700. 28190. 21	28000. 37073. 15	28000. 35840. 10	36400. 38600. 4	26232. 131		
PENNSYLVANIA	17000. 17000. 1	16000. 14320. 10	19000. 19800. 15	18000. 20567. 21	24000. 26275. 16	30000. 30922. 9	28000. 31205. 19	31000. 32133. 6	26700. 27823. 13	24000. 24000. 1	24858. 111		
NEW JERSEY	15200. 15450. 8	15500. 16482. 11	19000. 19723. 26	24000. 25703. 23	26000. 28100. 17	28000. 29742. 26	29500. 31579. 33	33000. 32833. 24	30000. 35871. 14	46000. 47000. 6	28054. 188		
COLUMN	15984. 25	16422. 81	19661. 142	23789. 155	26565. 113	28027. 113	30193. 161	31727. 98	32959. 74	35514. 22	25984. 984		

TABLE D-29

SALARIES OF CHEMISTS
BY SELECTED STATES OF RESIDENCE AND EXPERIENCE - DOCTOR'S DEGREE

STATE OF RESIDENCE	1 OR LESS	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	ROW TOTAL
		2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49		
CALIFORNIA	MEDIAN 1800. MEAN 1757. COUNT 4	2340. 2281. 45	2400. 2292. 83	2870. 2849. 56	2700. 2861. 33	3160. 3451. 51	3500. 3514. 48	3300. 3529. 36	3590. 3517. 19	4100. 4102. 5	29297. 380		
TEXAS	2100. 2152. 5	2060. 1887. 25	2120. 2222. 44	2850. 2904. 50	3100. 2987. 31	3190. 3601. 26	3240. 3531. 16	3200. 3758. 6	3490. 4797. 4	3550. 3550. 1	28317. 208		
MICHIGAN	1250. 1556. 3	2200. 2089. 26	2610. 2520. 36	2560. 2597. 46	3500. 3329. 31	3780. 3753. 30	3600. 3642. 20	4600. 4205. 8	3800. 4651. 6	0. 0. 0	30088. 206		
ILLINOIS	2000. 1870. 5	2100. 2125. 25	2500. 2392. 46	2760. 2879. 39	2680. 2916. 28	3200. 3307. 28	3170. 3386. 29	3360. 3704. 20	4000. 4189. 10	4500. 4166. 3	29432. 233		
OHIO	2180. 2153. 6	2200. 2159. 36	2300. 2301. 40	2670. 2539. 67	2900. 3052. 46	2900. 3174. 43	2800. 2982. 19	3300. 3518. 15	3400. 3517. 11	3270. 3223. 3	27537. 286		
NEW YORK	1920. 1789. 10	2200. 2101. 41	2500. 2434. 72	2620. 2751. 65	3000. 3329. 53	3000. 3166. 47	3600. 3942. 49	3000. 3453. 21	3600. 4636. 15	5630. 1301. 3	30786. 376		
PENNSYLVANIA	2000. 2025. 2	2220. 2073. 33	2500. 2449. 69	3000. 2915. 61	2900. 3123. 60	3200. 3296. 47	3300. 3858. 26	3410. 3458. 33	3820. 3651. 16	4000. 4700. 3	29905. 350		
NEW JERSEY	2200. 2186. 3	2300. 2242. 24	2500. 2627. 81	3230. 3129. 74	3200. 3412. 53	3540. 4037. 57	3900. 4258. 37	4000. 4329. 19	4000. 3801. 16	4200. 4258. 8	33607. 372		
COLUMN	19271. 38	21311. 255	24102. 471	28268. 458	31573. 335	34811. 329	37074. 244	36642. 158	39516. 97	51319. 26	30070. 2411		

TABLE D-30

SALARIES OF CHEMISTS

BY NUMBER OF SUBORDINATES (PROFESSIONALS AND TECHNICIANS)
AND EXPERIENCE - BACHELOR'S DEGREE

NUMBER OF PROFESSIONALS AND TECHNICIANS	YEARS OF PROFESSIONAL EXPERIENCE											40 OR MORE	ROW TOTAL
	1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE			
0	12000. 12357. 65	14300. 13832. 211	16200. 16662. 156	20700. 20800. 119	22100. 22001. 95	24000. 24706. 72	25000. 25436. 108	25000. 26636. 77	27400. 29349. 61	28800. 29252. 23	28800. 29252. 23	20189. 987	
1	14000. 14367. 6	15000. 14947. 53	16500. 16732. 57	19200. 18730. 23	25000. 26566. 32	27000. 26950. 38	25200. 27120. 55	25500. 26466. 29	28000. 29604. 24	27100. 33550. 2	27100. 33550. 2	22488. 319	
2	14100. 14100. 1	15000. 15255. 27	18200. 17988. 33	20500. 20736. 32	25700. 26684. 19	24000. 24705. 19	25100. 26509. 47	27000. 27446. 26	28600. 29644. 18	32700. 29567. 3	32700. 29567. 3	23376. 225	
3 TO 6	13800. 13850. 6	15100. 15223. 35	19200. 19373. 63	22000. 22191. 55	24500. 25571. 75	25500. 26504. 55	26300. 28399. 93	29000. 30395. 42	29000. 33491. 33	25900. 49409. 11	25900. 49409. 11	25636. 468	
7 TO 20	16000. 16000. 1	15500. 15227. 11	18800. 19931. 32	23000. 23832. 31	28000. 28115. 39	30500. 30277. 39	31000. 30802. 61	30000. 31628. 47	34000. 38193. 29	41000. 38000. 4	41000. 38000. 4	28784. 294	
21 OR MORE	0. 0. 0	14000. 17850. 2	21000. 25380. 5	22500. 23220. 5	30600. 33225. 12	36000. 37919. 21	33000. 37016. 32	35000. 41078. 27	36000. 44781. 21	48000. 44614. 7	48000. 44614. 7	38030. 132	
COLUMN MEAN COUNT	12691. 79	14330. 359	17722. 346	21302. 265	25221. 272	27488. 244	28303. 396	29856. 248	33260. 186	36728. 50	36728. 50	23851. 2425	

TABLE D-31

SALARIES OF CHEMISTS

BY NUMBER OF SUBORDINATES (PROFESSIONALS AND TECHNICIANS)
AND EXPERIENCE - MASTER'S DEGREE

NUMBER OF PROFESSIONALS AND TECHNICIANS	YEARS OF PROFESSIONAL EXPERIENCE											ROW TOTAL
	1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE		
0	MEDIAN MEAN COUNT	15300. 14986. 85	18500. 17852. 131	20000. 21255. 108	22700. 22633. 75	24900. 25684. 74	25500. 25730. 80	26000. 27491. 47	24000. 29002. 48	30000. 32678. 9	21917. 679	
1		16800. 16888. 8	19000. 19616. 37	26400. 25641. 27	22000. 22317. 24	27000. 27363. 27	28300. 28494. 32	30000. 30216. 25	30000. 31382. 17	23000. 27500. 2	24764. 219	
2		16200. 16600. 2	18000. 18167. 15	21300. 21892. 24	24000. 24764. 28	26500. 26645. 20	27700. 28941. 41	28800. 29767. 15	25000. 28250. 10	21000. 27567. 3	24859. 189	
3 TO 6		14000. 15950. 4	20400. 20765. 54	25000. 25587. 46	27000. 28033. 30	28700. 29834. 35	28700. 29674. 57	32000. 34052. 31	30000. 31423. 22	36400. 35680. 5	27143. 300	
7 TO 20		0. 0.	21000. 21597. 35	24500. 25218. 34	28600. 29300. 28	28300. 28100. 32	33500. 34144. 43	29000. 31622. 18	30000. 32700. 16	27500. 30843. 7	28510. 217	
21 OR MORE		0. 0.	22200. 24250. 2	33500. 32000. 5	33000. 34320. 10	39900. 39962. 13	41000. 41235. 26	39800. 44592. 12	45000. 49511. 9	42000. 59917. 6	41756. 84	
COLUMN MEAN COUNT		15864. 36	19423. 290	23392. 244	25283. 195	28036. 201	30066. 279	31445. 148	31707. 122	37050. 32	25379. 1688	

TABLE D-32

SALARIES OF CHEMISTS

BY NUMBER OF SUBORDINATES (PROFESSIONALS AND TECHNICIANS)
AND EXPERIENCE - DOCTOR'S DEGREE

YEARS OF PROFESSIONAL EXPERIENCE

NUMBER OF PROFESSIONALS AND TECHNICIANS	YEARS OF PROFESSIONAL EXPERIENCE											ROW TOTAL
	1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE		
0	MEDIAN 19386 MEAN 42 COUNT	19500 18869 204	18200 19685 306	20300 22513 260	23900 23143 212	27000 27879 161	29400 29488 148	27800 29348 85	30000 31804 53	35000 35869 13	23834 1484	
1	21000 20413 15 COUNT	22500 21848 104	24000 23785 229	28500 27443 134	28000 28670 89	30000 30648 87	31500 32034 77	34500 35198 42	35000 35243 23	38500 40067 3	27143 803	
2	19300 21000 6 COUNT	22500 22005 73	25000 23910 132	27000 26754 97	29000 30259 70	30000 31132 65	33000 34316 49	32500 32848 31	32500 33053 19	34000 33583 6	27581 542	
3 TO 6	24200 25067 3 COUNT	23000 22152 64	24700 24478 202	28500 28157 209	30000 30029 137	32000 32140 137	35000 35358 112	32500 36684 56	38000 36582 39	30000 31013 8	29500 967	
7 TO 20	18500 18500 1 COUNT	22000 22800 27	27600 27542 112	32000 31587 154	33000 32434 116	35200 36175 118	37100 39759 92	35400 36552 48	42000 42870 43	41000 41450 12	33703 723	
21 OR MORE	19200 19200 1 COUNT	21000 21500 2	30000 31812 26	35000 34821 57	40000 40176 74	45000 47810 82	44000 48209 78	47000 50830 60	45000 50112 43	50000 87471 7	44988 430	
COLUMN MEAN COUNT	19990 68	20684 474	23319 1007	27288 911	29868 698	33494 650	35790 550	36797 322	38860 220	43792 49	29168 4949	

TABLE D-33

SALARIES OF CHEMISTS

BY TOTAL NUMBER OF SUBORDINATES
AND EXPERIENCE - BACHELOR'S DEGREE

TOTAL NUMBER OF SUBORDINATES	MEDIAN MEAN COUNT	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	ROW TOTAL
		1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39			
0	1200. 12329. 63	14000. 13759. 199	16000. 16582. 141	20900. 20894. 108	21900. 21883. 84	24000. 25347. 64	25000. 25124. 87	25000. 27298. 66	27100. 28626. 50	26300. 28700. 20	19890. 882		
1	14000. 13743. 7	14700. 14893. 46	16200. 16362. 61	19000. 19048. 25	25000. 25684. 31	27000. 26569. 32	25000. 26389. 55	26300. 25813. 25	28000. 30245. 22	30000. 33180. 5	22079. 307		
2	14100. 14130. 1	14800. 14976. 34	18000. 17496. 27	20500. 20503. 28	25300. 25495. 19	24000. 25668. 19	26000. 26909. 46	25500. 27120. 25	28000. 28980. 20	21000. 26850. 2	23036. 221		
3 TO 6	14400. 14933. 6	15000. 15172. 43	19000. 19597. 68	21000. 21643. 61	24000. 24994. 72	25000. 26261. 56	26000. 27377. 95	29000. 29730. 43	28000. 32445. 38	25000. 48910. 10	24904. 492		
7 TO 20	16000. 16000. 1	16000. 16107. 14	18700. 19813. 31	22000. 22983. 29	27000. 28620. 45	29000. 29047. 43	30000. 30764. 64	27800. 29242. 53	32000. 34481. 26	42000. 37000. 3	27684. 309		
21 OR MORE	10000. 10000. 1	14000. 15900. 3	21000. 23394. 18	25000. 25100. 14	28600. 31152. 21	31600. 34887. 30	33000. 35984. 49	35000. 39542. 38	40000. 46023. 30	41000. 44270. 10	35609. 214		
COLUMN MEAN COUNT	12691. 79	14330. 339	17722. 346	21302. 265	25221. 272	27488. 244	28303. 396	29856. 248	33260. 186	36728. 50	23851. 2425		

TABLE D-34

SALARIES OF CHEMISTS

BY TOTAL NUMBER OF SUBORDINATES
AND EXPERIENCE - MASTER'S DEGREE

TOTAL NUMBER OF SUBORDINATES	MEDIAN MEAN COUNT	YEARS OF PROFESSIONAL EXPERIENCE										ROW TOTAL
		1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE	
0	1500. 1497.5 20	1550. 1527.1 77	1850. 1787.6 121	2000. 2074.3 90	2310. 2287.4 63	2450. 2506.9 62	2580. 2605.8 72	2500. 2672.6 39	2400. 2733. 40	2790. 3498.3 6	21561. 590	
1	1690. 1708.6 7	1630. 1642.9 21	1900. 1976.5 40	2600. 2511.3 31	2350. 2305.8 26	2630. 2715.7 30	2790. 2844.7 32	3080. 2995.6 27	3180. 3195.5 20	2300. 2800. 2	24839. 236	
2	1620. 1623.3 3	1700. 1747.1 14	1850. 2033.9 31	2130. 2152.9 21	2370. 2432.1 29	2650. 2631.6 19	2700. 2872.6 38	2500. 3030. 9	2500. 3055.9 10	2100. 2756.7 3	24494. 177	
3 TO 6	1400. 1595. 4	1750. 1731. 21	2000. 2024.6 57	2340. 2383.5 48	2650. 2725.0 34	2870. 2956.6 41	2850. 2931.7 60	3000. 3432.1 34	3000. 3267.1 24	2800. 2852.0 5	26575. 328	
7 TO 20	2300. 2300. 1	1750. 1635.7 7	2100. 2142.4 33	2450. 2556.3 40	2600. 2695.7 27	2800. 2770.4 28	3200. 3237.9 42	3000. 2982.2 23	3000. 3170.6 17	2900. 3349.0 10	27589. 228	
21 OR MORE	16500. 16500. 1	24000. 24000. 1	22200. 23450. 8	32000. 31679. 14	33000. 33356. 16	37000. 37062. 21	41000. 39757. 35	35800. 42331. 16	42200. 45891. 11	42000. 5991.6 6	38114. 129	
COLUMN MEAN COUNT	15864. 36	16082. 141	19423. 290	23392. 244	25283. 195	28036. 201	30066. 279	31445. 148	31707. 122	37050. 32	25379. 1688	

TABLE D-35

SALARIES OF CHEMISTS
BY TOTAL NUMBER OF SUBORDINATES
AND EXPERIENCE - DOCTOR'S DEGREE

TOTAL NUMBER OF SUBORDINATES	MEDIAN MEAN COUNT	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	RSM TOTAL
		1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE		
0	2550 1938 42	2050 1957 161	2000 2225 200	2400 2517 167	2700 2789 133	2900 2860 118	2800 2875 66	3000 3052 43	3500 3586 13	23916			
1	2100 2043 15	2290 2165 109	2420 2395 220	2830 2750 131	2870 2884 85	2900 3017 82	3200 3282 70	3600 3480 27	3850 4006 3	27212			
2	1900 2100 6	2200 2131 81	2470 2347 135	2780 2692 93	2800 3017 72	3000 3126 64	3300 3314 45	3300 3630 15	3400 3320 5	27286			
3 TO 6	2420 2506 3	2100 2060 88	2350 2305 252	2700 2694 245	2850 2879 170	3100 3189 147	3400 3430 124	3500 3493 44	3000 3113 8	28159			
7 TO 20	1850 1850 1	2100 2149 35	2650 2621 129	3150 3069 170	3200 3207 124	3340 3431 131	3700 3764 99	4200 4231 38	4100 4092 13	32329			
21 OR MORE	1320 1920 1	2100 2150 2	3000 3101 31	3450 3446 72	3900 3933 80	4400 4740 93	4340 4829 94	4500 4887 53	5000 8747 7	44021			
COLUMN MEAN COUNT	1999 68	2084 474	2331 1007	2728 911	2986 698	3349 659	3579 550	3886 220	4379 46	29168			

TABLE D-36

SALARIES OF CHEMISTS
(EXCLUDING TEACHERS AND SELF-EMPLOYED)
BY DEGREE AND EXPERIENCE

HIGHEST DEGREE EARNED	PC TILE	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	ROW TOTAL
		1 OR LESS	2 - 4	5 - 9	10-14	15-15	20-24	25-29	30-34	35-39			
BACHLORS	10	9600.	10500.	13000.	16000.	18300.	19800.	19000.	18600.	21000.	21500.		
	25	10700.	12000.	15200.	18200.	20000.	22500.	22500.	23800.	25000.	25000.		
	50	13000.	14700.	17500.	21100.	24300.	26400.	27000.	28000.	29900.	30000.		
	75	14700.	16500.	20000.	24000.	28000.	31000.	32000.	34000.	38000.	40000.		
	90	16400.	18200.	22500.	27900.	33000.	36000.	38000.	40000.	48000.	50000.		
	MEAN	13053.	14485.	17762.	21432.	25179.	27452.	28221.	29579.	33297.	37488.		23898.
	COUNT	73	328	338	257	264	237	389	243	180	48.		2337.
	STD DEV	2893.	3085.	3974.	4836.	6568.	8039.	9042.	13248.	16714.	32975.		11511.
MASTERS	10	13000.	12400.	15000.	18000.	20000.	20000.	20700.	22500.	23700.			
	25	14500.	14800.	17500.	20000.	23000.	24100.	25600.	25000.	24000.			
	50	16200.	16600.	19600.	23500.	25800.	28100.	30000.	30000.	30000.			
	75	17300.	18500.	22500.	27500.	30000.	34000.	35000.	35000.	38500.			
	90	18900.	20300.	26000.	32000.	36000.	39200.	42000.	44800.	50000.			
	MEAN	16044.	16655.	20110.	24228.	26940.	29402.	30869.	32112.	32814.			26338.
	COUNT	34	123	205	205	153	167	247	138	111			1468.
	STD DEV	2498.	3335.	4301.	5769.	6695.	8851.	9036.	9524.	13022.			9813.
DOCTORS	10	13200.	17100.	19600.	23000.	23700.	26000.	28000.	28000.	27500.			
	25	20000.	20400.	22500.	27000.	27500.	30000.	31700.	32000.	33000.			
	50	21300.	22400.	25800.	30800.	32000.	35000.	36500.	38000.	40000.			
	75	22000.	24100.	29000.	34000.	37400.	42000.	45000.	46000.	47000.			
	90	23500.	26000.	32000.	38000.	42600.	48000.	51000.	55000.	58000.			
	MEAN	20398.	22074.	25742.	30689.	32762.	36894.	39024.	41011.	41712.			31939.
	COUNT	58	370	707	592	442	452	390	213	159			3423.
	STD DEV	3708.	3607.	5155.	6784.	8123.	12054.	14393.	17479.	14611.			12560.
COLLUMN	MEAN	16252.	18231.	22555.	27175.	29394.	32818.	32965.	34263.	36151.			28190.
	COUNT	165	821	1304	1054	859	856	1026	594	450			7248.
	STD DEV	4511.	4894.	5899.	7392.	8213.	11346.	12358.	15106.	15653.			12263.

TABLE D-37

SALARIES OF CHEMISTS
(EXCLUDING TEACHERS AND SELF-EMPLOYED)
BY DEGREE AND EXPERIENCE - MEN

HIGHEST DEGREE EARNED	PCITILE	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	ROW TOTAL		
		1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE				
BACHLORS	10	10000.	10500.	14000.	16000.	18500.	19500.	19000.	18600.	22000.	21500.				
	25	11000.	14500.	18000.	18800.	21800.	23000.	22700.	24000.	25000.	25000.				
	50	13700.	16000.	20000.	21600.	23000.	27000.	27000.	29000.	30000.	30000.				
	75	14500.	16900.	20900.	24200.	28000.	32000.	32200.	35000.	39000.	39000.				
	90	15500.	18700.	22700.	28500.	34000.	36900.	38800.	41100.	50000.	50000.				
	MEAN	15209.	14432.	18134.	21861.	25570.	27972.	28420.	30189.	34050.	37488.				
	COUNT	35	234	277	217	235	218	373	215	166	48				
	STD DEV	2981.	3116.	3975.	4888.	6675.	8095.	9118.	13799.	17046.	32975.				
MASTERS	10	13000.	12300.	15000.	18000.	20000.	22000.	22000.	23000.	21000.	23000.				
	25	14500.	15000.	17700.	20000.	23100.	24500.	26000.	26000.	30000.	27000.				
	50	16200.	17000.	19800.	24000.	26400.	28800.	30000.	30800.	35000.	30000.				
	75	17500.	18700.	23000.	28000.	31000.	34000.	35000.	35000.	38500.	30000.				
	90	19200.	21000.	26300.	33500.	36000.	39000.	42000.	42800.	50000.	50000.				
	MEAN	16183.	16911.	20429.	24677.	27643.	29770.	31194.	32562.	32721.	37600.				
	COUNT	29	99	208	172	132	155	130	130	104	30				
	STD DEV	2462.	3277.	4278.	5872.	6656.	8704.	8933.	9590.	11418.	19673.				
DOCTORS	10	17600.	17200.	20000.	23800.	24000.	26000.	28000.	28000.	27500.	28000.				
	25	19800.	20500.	23000.	27000.	28000.	30000.	32000.	32500.	33000.	34000.				
	50	21300.	22500.	26000.	31000.	32000.	35400.	36800.	38100.	40000.	41000.				
	75	22000.	24200.	29000.	34500.	38000.	42000.	46500.	46500.	47000.	49000.				
	90	23000.	26000.	32400.	38000.	42900.	48500.	52000.	55000.	58000.	56300.				
	MEAN	20423.	22112.	26042.	30974.	33030.	37067.	39279.	41375.	41785.	47538.				
	COUNT	52	339	656	562	425	442	378	206	157	39				
	STD DEV	3713.	3582.	5064.	6601.	8042.	12084.	14506.	17605.	14650.	42684.				
COLUMN	MEAN	16601.	18671.	23096.	27756.	29910.	33246.	33242.	34931.	36270.	40867.				
	COUNT	136	672	1142	951	795	815	687	551	427	117				
	STD DEV	4513.	4910.	5844.	7291.	8173.	11340.	12434.	15390.	15466.	34009.				

TABLE D-38

SALARIES OF CHEMISTS

(EXCLUDING TEACHERS AND SELF-EMPLOYED)

BY DEGREE AND EXPERIENCE - WOMEN

HIGHEST DEGREE EARNED	PCTILE	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	ROM TOTAL
		1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE		
BACHLORS	101	9200.	10100.	11900.	13300.	15000.	16000.	18000.	16900.	15200.	0.	18131. 317. 5680.	
	501	9600.	12200.	13500.	17000.	18500.	19000.	20000.	20000.	17000.	0.		
	751	12500.	15000.	16900.	18200.	21700.	21700.	24200.	24200.	18500.	0.		
	901	15000.	16500.	18700.	21600.	24900.	27000.	28000.	34000.	29000.	0.		
	MEAN	16400.	18200.	20000.	24600.	27500.	28290.	34000.	24720.	24364.	0.		
STD DEV	12578.	14618.	16074.	19105.	21725.	21479.	25515.	24720.	24364.	0.			
MASTERS	101	10400.	12400.	13200.	18000.	15500.	16400.	11000.	20500.	17000.	36400.	20887. 167. 8566.	
	501	15000.	13200.	15600.	19600.	20000.	17200.	17000.	21000.	18700.	36400.		
	751	17000.	15400.	19000.	21100.	21200.	20000.	24300.	23700.	23000.	36400.		
	901	17300.	17000.	21500.	24000.	25100.	25000.	33000.	31000.	30000.	36400.		
	MEAN	15240.	19000.	23000.	27700.	26000.	40000.	40000.	33000.	31000.	100000.		
STD DEV	2847.	15617.	18571.	22006.	21667.	24658.	23900.	23900.	24800.	34200.			
DOCTORS	101	12300.	16000.	15700.	15200.	16000.	20000.	21900.	16500.	36000.	12800.	24293. 164. 6878.	
	501	20500.	19200.	18700.	18500.	21000.	23000.	24500.	24300.	36000.	12800.		
	751	21000.	21900.	22000.	25600.	26000.	26500.	30200.	28600.	36000.	12800.		
	901	23700.	23900.	25000.	29500.	29500.	32800.	36000.	36000.	36000.	12800.		
	MEAN	20183.	21647.	21888.	25350.	33300.	38400.	30967.	30967.	29167.	36000.		
STD DEV	4015.	3984.	4771.	7984.	25806.	29240.	30967.	30967.	29167.	36000.			
COLUMN	MEAN	14610.	16205.	18676.	21852.	22761.	24302.	25941.	25393.	28370.	24600.	20401.	
	COUNT	29.	148.	161.	102.	41.	39.	41.	23.	23.	2.	648.	
	STD DEV	4196.	4297.	4730.	6096.	5583.	7551.	7442.	6218.	17369.	16688.	7275.	

TABLE D-40

SALARIES OF MINORITY CHEMISTS

BY DEGREE AND EXPERIENCE

YEARS OF PROFESSIONAL EXPERIENCE

HIGHEST DEGREE EARNED	PCTILE	YEARS OF PROFESSIONAL EXPERIENCE								40 OR MORE	RUM TOTAL	
		1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34			35-39
BACHLORS	10	9600.	12000.	13800.	13000.	17500.	10000.	19500.	11000.	15200.	0.	20335.
	25	9600.	12900.	15600.	12000.	21900.	20000.	19500.	16400.	15200.	0.	
	50	13500.	15000.	18000.	26000.	25000.	26000.	24000.	32800.	23000.	0.	
	75	15000.	17000.	21000.	28000.	32000.	27000.	28000.	40000.	25000.	0.	
	90	25500.	20000.	22000.	19779.	48000.	24960.	28600.	40000.	20100.	0.	
	MEAN	15345.	17964.	17964.	19779.	28656.	24960.	23282.	24867.	25000.	0.	3303.
	COUNT	4	20	22	19	9	10	11	6	2	0.	7300.
	STD DEV	6793.	2990.	3411.	5941.	11224.	7401.	6485.	10158.	6930.	0.	7300.
MASTERS	10	11500.	10400.	14000.	17000.	15000.	21100.	16000.	25000.	18500.	0.	21463.
	25	11500.	12000.	15000.	18000.	16000.	24000.	18500.	25000.	18500.	0.	
	50	18200.	17200.	18000.	20000.	24000.	27000.	25000.	25000.	18500.	0.	
	75	19800.	17200.	21500.	25000.	34000.	35000.	32000.	45000.	24000.	0.	
	90	23000.	22500.	25000.	27400.	34000.	39600.	32000.	45000.	24000.	0.	
	MEAN	18000.	14886.	18953.	21043.	23764.	28607.	24336.	35000.	21250.	0.	118.
	COUNT	5	14	32	23	11	15	17	2	2	0.	7033.
	STD DEV	4306.	4109.	4707.	5454.	7646.	6441.	6761.	14142.	3885.	0.	7033.
DOCTORS	10	20000.	14500.	16000.	16100.	17300.	20000.	28000.	15900.	28600.	35500.	26503.
	25	20000.	19000.	18500.	20000.	22000.	26500.	31000.	21000.	28600.	35500.	
	50	21000.	21300.	23200.	24500.	27200.	35000.	35000.	26800.	30000.	35500.	
	75	22000.	23800.	26300.	31800.	33100.	40000.	37000.	28500.	33000.	50000.	
	90	22000.	26000.	30000.	35000.	37200.	44600.	47000.	56000.	33000.	50000.	
	MEAN	21000.	20902.	23192.	25645.	28112.	33865.	36252.	28167.	30533.	42750.	353.
	COUNT	3	46	78	78	59	40	21	9	3	2	8711.
	STD DEV	1000.	4061.	5451.	7591.	8884.	9249.	10225.	11911.	2248.	10253.	8711.
COLUMN	MEAN	18050.	18460.	21419.	23824.	27568.	31282.	29524.	27806.	24900.	42750.	24360.
	COUNT	80	320	176	230	78	65	46	17	17	2	574
	STD DEV	4854.	4745.	5479.	7376.	9028.	9000.	10394.	11201.	6340.	10253.	8583.

TABLE D-41

SALARIES OF POSTDOCTORAL CHEMISTS

BY EMPLOYER AND YEARS SINCE PH.D.

EMPLOYER	YEARS SINCE PHD						ALL
	1 OR LESS	2 - 4	5 - 9	10-14	20-24		
MANUFAC - TURING	20000. 20000. 1	17000. 17000. 1	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	17000. 18500. 2
COLLEGE, UNIVRSITY	10000. 10296. 49	10800. 10988. 80	12000. 11835. 23	12000. 12733. 3	13200. 13200. 1		10800. 10946. 1 160
HIGH SCH, OTHR SC	0. 0. 0	8800. 8800. 1	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	8800. 8800. 1
FEDERAL GOVERNMT	10000. 14100. 2	16000. 14900. 9	19200. 19033. 3	0. 0. 0	0. 0. 0	0. 0. 0	16000. 15671. 14
STATE, LOCL GOV	14000. 14000. 1	12000. 12000. 1	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	12000. 13000. 2
HOSPITAL, IND LAB	12600. 12600. 1	11400. 12450. 2	11000. 13000. 2	0. 0. 0	0. 0. 0	0. 0. 0	12600. 12700. 5
NONPRFT RES INST	12000. 9750. 4	12800. 13200. 6	13400. 13400. 1	0. 0. 0	0. 0. 0	0. 0. 0	12800. 11964. 11
ALL EMPLOYERS	10660. 58	11550. 100	12714. 29	12733. 3	13200. 1		11000. 11475. 195

1 INCLUDES THOSE WHO DID NOT INDICATE YEAR OF GRADUATION.

TABLE D-42

SALARIES OF CHEMISTS IN PRIVATE INDUSTRY OR BUSINESS

BY DEGREE AND EXPERIENCE

HIGHEST DEGREE EARNED	PCTILE	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	ALL EXPR LEVEL	
		1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE			
BACHLORS	10	1000.	1100.	1400.	1680.	1830.	2000.	1900.	1900.	2200.	2500.	2500.	2150.	1440.
	25	1190.	1320.	1560.	1870.	2150.	2300.	2300.	2300.	2300.	2500.	2500.	2500.	1790.
	50	1350.	1500.	1800.	2150.	2500.	2700.	2700.	2700.	3000.	3000.	3000.	3000.	2300.
	75	1500.	1700.	2000.	2420.	2800.	3000.	3000.	3000.	3800.	3800.	3800.	4000.	2900.
	90	1640.	1880.	2250.	2800.	3200.	3700.	3700.	3700.	4000.	4000.	4000.	5000.	3600.
	MEAN	1339.	1504.	1825.	2183.	2560.	2874.	2874.	2921.	3475.	3475.	3776.	2469.	
	COUNT	54	250	262	199	206	189	189	261	261	261	45	1885	
	STD DEV	2359.	2851.	3712.	4852.	6931.	8204.	8204.	13721.	17533.	17533.	34024.	12090.	
MASTERS	10	1200.	1330.	1650.	1800.	1960.	2200.	2230.	2300.	2500.	2500.	2400.	1700.	
	25	1450.	1530.	1810.	2050.	2270.	2500.	2600.	2600.	2900.	2900.	2700.	2000.	
	50	1650.	1700.	2040.	2400.	2600.	2990.	3000.	3000.	3400.	3400.	3200.	2500.	
	75	1730.	1900.	2300.	2770.	3060.	3400.	3600.	3600.	3920.	3920.	4200.	3180.	
	90	1890.	2100.	2600.	3350.	3600.	3920.	4200.	4200.	4480.	4480.	5100.	3950.	
	MEAN	1591.	1717.	2085.	2475.	2715.	3020.	3162.	3162.	3240.	3360.	3864.	2706.	
	COUNT	29	176	198	152	120	121	197	113	113	95	26	1150	
	STD DEV	2324.	3074.	3819.	5714.	7083.	9442.	9032.	9776.	13296.	13296.	20336.	10068.	
DOCTORS	10	1920.	1970.	2160.	2500.	2550.	2650.	2810.	2800.	2800.	2800.	2620.	2200.	
	25	2010.	2150.	2400.	2800.	2900.	3000.	3200.	3200.	3200.	3200.	3530.	2540.	
	50	2160.	2300.	2620.	3180.	3300.	3600.	3700.	3700.	3800.	3800.	4400.	3050.	
	75	2200.	2350.	2950.	3500.	3850.	4300.	4320.	4320.	4800.	4800.	5000.	3700.	
	90	2310.	2600.	3300.	3900.	4400.	5100.	5300.	5300.	6000.	6000.	6000.	4500.	
	MEAN	2121.	2296.	2680.	3178.	3463.	3805.	4011.	4011.	4343.	4343.	5155.	3598.	
	COUNT	50	276	512	450	306	311	274	115	115	29	29	3243	
	STD DEV	1940.	2660.	4583.	6176.	8179.	12976.	15935.	19162.	16166.	16166.	48975.	13348.	
COLUMN	MEAN	1688.	1890.	2327.	2794.	3004.	3351.	3340.	3461.	3697.	3697.	4199.	2891.	
	COUNT	133	616	972	810	632	621	792	487	365	365	100	2950.	
	STD DEV	4131.	4662.	5694.	7267.	8581.	11963.	12956.	16156.	16643.	16643.	36540.	12861.	

TABLE D-43

SALARIES OF CHEMISTS IN PRIVATE INDUSTRY OR BUSINESS

BY DEGREE AND EXPERIENCE - MEN

HIGHEST DEGREE EARNED	PCITILE	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	ROW TOTAL
		1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE		
BACHLORS	10	1000.	1100.	1440.	1750.	1850.	2000.	1900.	2200.	2400.	2150.	2500.	2585.
	25	1500.	1500.	1800.	2200.	2300.	2300.	2400.	2600.	2600.	2700.	2700.	1661.
	50	1360.	1700.	2000.	2470.	2700.	2700.	2940.	3000.	3000.	3000.	3000.	12518.
	75	1800.	1900.	2290.	2900.	3200.	3200.	3400.	3900.	3900.	4000.	4000.	
	90	1600.	1497.	1842.	2226.	2592.	2892.	3036.	3000.	3000.	3000.	3000.	
	MEAN	43	180	218	168	189	177	185	310	310	310	45	
	COUNT	2393.	2963.	3879.	4917.	7004.	8341.	14263.	9368.	17795.	34024.		
MASTERS	10	1300.	1350.	1660.	1800.	2000.	2250.	2300.	2300.	2800.	2400.	2654.	
	25	1450.	1540.	1810.	2100.	2310.	2500.	2600.	2600.	2600.	2700.	1038.	
	50	1620.	1710.	2050.	2500.	2650.	3000.	3080.	3120.	3120.	3200.	9986.	
	75	1750.	1900.	2380.	2800.	3200.	3600.	3600.	3600.	3600.	3700.		
	90	1800.	2100.	2610.	3200.	3600.	3900.	3900.	4000.	4000.	4200.		
	MEAN	25	1725.	2097.	2714.	2787.	3079.	3290.	3175.	3317.	3673.		
	COUNT	2210.	3071.	3903.	5817.	6811.	9366.	9836.	9007.	11499.	20750.		
DOCTORS	10	1960.	2000.	2200.	2500.	2550.	2630.	2800.	2800.	2800.	2620.	33253.	
	25	2000.	2150.	2400.	2800.	2900.	3000.	3270.	3300.	3300.	3530.	2392.	
	50	2300.	2300.	2650.	3200.	3200.	3600.	3900.	4200.	4200.	4400.	13445.	
	75	2500.	2400.	2990.	3500.	3900.	4300.	4800.	4800.	4800.	5000.		
	90	2310.	2600.	3300.	3840.	4410.	5200.	5800.	6000.	6000.	6000.		
	MEAN	44	2294.	2702.	3180.	3425.	3811.	4284.	4356.	4356.	4897.		
	COUNT	1499.	2567.	4510.	6142.	8200.	12999.	19833.	15971.	16279.	48975.		
COLUMN	MEAN	17060.	19315.	23717.	28424.	30446.	33878.	35169.	37223.	37223.	42049.	29577.	
	COUNT	112	508	867	746	438	600	438	350	350	99	5091.	
	STD DEV	4146.	4670.	5710.	7154.	8515.	11981.	16467.	16467.	16443.	36721.	12996.	

TABLE D-44

SALARIES OF CHEMISTS IN PRIVATE INDUSTRY OR BUSINESS

BY DEGREE AND EXPERIENCE - WOMEN

HIGHEST DEGREE EARNED	PCITILE	YEARS OF PROFESSIONAL EXPERIENCE											40 OR MORE	82W TOTAL
		1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	35-39	40 OR MORE		
BACHLORS	10	12500.	11800.	14000.	15600.	15000.	20000.	18100.	19000.	15200.	0.	18736.		
	25	12500.	14000.	15500.	17500.	18500.	20400.	19500.	23700.	18500.	0.	222		
	50	13500.	15000.	17300.	19000.	21000.	22500.	23000.	25500.	21000.	0.	5310.		
	75	15600.	17000.	18700.	22000.	25500.	25000.	30400.	28000.	29000.	0.			
	90	16400.	18000.	20000.	24600.	27300.	28200.	31500.	34000.	37000.	0.			
	MEAN	13845.	15199.	17114.	19593.	21881.	23383.	24500.	25856.	24444.	0.			
	COUNT	11	70	44	31	16	12	11.	18.	9	0.			
	STD DEV	2275.	2554.	2504.	3756.	4947.	3286.	5421.	5158.	8239.	0.			
MASTERS	10	10400.	13100.	16000.	18500.	12000.	16000.	11000.	20500.	20700.	36400.			
	25	10400.	15000.	18100.	19600.	15000.	16400.	22600.	21000.	20700.	36400.			
	50	16500.	16300.	20000.	21700.	20000.	20000.	27000.	23000.	23000.	36400.			
	75	17000.	17500.	22000.	24000.	21000.	25000.	33000.	30000.	30000.	36400.			
	90	17300.	23000.	23200.	29900.	25500.	25000.	38000.	31000.	100000.	36400.			
	MEAN	15300.	16831.	20042.	22413.	19060.	20657.	27433.	24743.	43425.	36400.			
	COUNT	4	16	33	23	10	7	6	7	4	1			
	STD DEV	3283.	3166.	3069.	4484.	4699.	4258.	9667.	4232.	37923.	0.			
DOCTORS	10	12300.	19000.	16700.	18100.	20000.	27100.	26000.	16500.	36000.	0.			
	25	20500.	21000.	20200.	25800.	26000.	27100.	26000.	16500.	36000.	0.			
	50	21000.	22000.	23000.	28000.	28000.	32000.	39000.	16500.	36000.	0.			
	75	25700.	24500.	28500.	37500.	33300.	32000.	39900.	39000.	36000.	0.			
	90	23700.	28000.	28500.	42000.	40400.	32000.	39000.	39000.	36000.	0.			
	MEAN	20183.	22700.	22926.	30950.	30117.	29550.	32950.	27750.	36000.	0.			
	COUNT	6	22	27	10	9	5	8229.	15913.	2	0.			
	STD DEV	4015.	3632.	4209.	7864.	7042.	3465.	9829.	15913.	0.	0.			
COLUMN	MEAN	15933.	16969.	19552.	22336.	22544.	23062.	26316.	25707.	31047.	36400.			
	COUNT	21	108	104	64	32	21	19	27	15	1			
	STD DEV	4016.	4124.	3952.	6190.	6442.	4276.	7414.	5644.	20549.	0.			

TABLE D-45

SALARIES OF CHEMISTS IN PRIVATE INDUSTRY OR BUSINESS

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BY WORK FUNCTION AND EXPERIENCE - BACHELOR'S DEGREE

WORK FUNCTION	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	ROW TOTAL
	1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39			
R&D MGMT, ADMINIS	0 0	16400 16260 5	22000 23345 11	24000 24121 14	27500 28100 33	30800 33032 31	31000 32483 60	32000 32710 39	36700 36174 31	37500 36600 8	31319 232	
BASIC RESEARCH	13500 12960 5	15000 14967 24	18500 17738 16	23000 23340 5	21700 21150 10	20400 24000 4	23000 28000 4	28800 29067 5	21000 25500 2	26300 26300 1	19034 74	
APPLIED R&D	13800 13305 20	15200 15430 92	17800 17667 94	20800 21359 66	23500 24050 58	25500 26241 49	25000 25295 95	26300 26633 48	27400 28092 36	21500 25389 9	21799 567	
GEN MGMT, ADMINIS	10000 13250 2	15700 16833 9	19500 21275 20	29000 26738 13	30000 31276 29	28500 32442 26	30400 34748 50	32000 39366 35	36900 46513 30	40000 60500 9	34783 223	
TEACHING, RESRCH	0 0	0 0	0 0	0 0	0 0	0 0	30000 30000 1	0 0	0 0	0 0	30000 1	
MKT, SALE, PUR, TCH	13000 12500 3	14100 14660 15	20000 20183 24	22800 23771 31	24500 26300 24	28000 28457 28	28200 29771 42	30000 30907 28	32400 36028 29	30000 34077 7	27298 231	
PRD, QUAL CONTROL	15000 14540 15	14700 14438 78	16000 17027 67	19300 19713 47	22600 22592 55	23000 24950 34	25100 24949 41	23500 23381 32	24000 23238 16	35000 38275 4	19909 369	
FORENSIC, LAB ANL	13200 12733 6	15300 14495 19	15600 16806 16	20000 19980 15	23400 23467 6	20000 21500 2	23800 23464 11	20000 21500 6	22300 21540 5	25000 25000 1	18667 87	
WRITE, ABST, LIBRY	13000 13000 1	0 0	17900 18950 2	24600 21367 3	18000 18000 1	24000 24000 5	21700 24600 6	19000 22000 4	0 0	30000 30000 1	22548 23	
DATA PROCESSING	0 0	14000 15467 3	17400 17400 1	21600 21733 3	19500 24150 2	25000 26100 3	0 0	0 0	0 0	0 0	21300 12	
CONSULTING	0 0	0 0	18000 16875 4	0 0	0 0	22500 24625 4	12000 21500 2	19500 23250 2	0 0	28800 33950 4	24456 16	
OTHER	8800 10400 2	16500 16140 5	18000 18014 7	17000 20500 2	26600 25475 8	26100 28733 3	34000 31433 9	34000 30829 7	32000 33900 6	25000 25000 1	25714 50	
COLUMN MEAN COUNT	13393 54	15041 250	18205 262	21835 199	25609 206	28150 189	28774 321	29961 204	34237 155	37767 45	24694 1885	

TABLE D-46

SALARIES OF CHEMISTS IN PRIVATE INDUSTRY OR BUSINESS

BY WORK FUNCTION AND EXPERIENCE - MASTER'S DEGREE

WORK FUNCTION	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	RCM TOTAL
	1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE		
R&D MGMT, ADMINIS	0 0	17500 17500	22000 21800	24500 25886	32000 31243	34000 35240	35000 35613	32000 35189	32000 35259	32000 34291	32000 34291	32388 186
BASIC RESEARCH	15200 15567	17000 17436	18500 18840	21000 21592	24000 23989	25000 25750	28700 29109	20500 20500	26000 30750	51000 51000	51000 51000	22642 69
APPLIED R&D	16500 16138	16500 16777	20000 20228	24200 24405	25000 25611	27500 27823	28800 30001	29500 29634	28000 28931	46000 46000	46000 46000	24700 425
GEN MGMT, ADMINIS	0 0	20000 20667	22000 23300	30000 31244	36000 35429	31000 41186	36000 37523	41000 44407	40500 46513	24000 72000	24000 72000	35886 101
TEACHING, RESRCH	0 0	0 0	0 0	25000 25000	13700 13700	0 0	0 0	0 0	0 0	0 0	0 0	19350 2
MKT, SALE, PUR, TCH	0 0	15500 15950	21000 23113	23500 24433	31000 31440	32000 29880	30000 32650	30000 30195	37700 36940	30000 31500	30000 31500	28734 104
PRD, QUAL CONTROL	15200 15317	17500 17118	19000 20543	21000 21489	23000 22695	30000 31269	27000 28863	28000 29856	23800 24769	27000 27733	27000 27733	23593 151
FORENSIC, LAB ANL	15000 15000	15600 19575	20000 19864	22000 22207	23500 23800	20000 21383	26000 28025	27400 26467	34000 34000	36400 36400	36400 36400	22707 43
WRITE, ABST, LIBRY	17300 17300	16000 16000	0 0	18800 18800	20300 20367	16400 19674	28000 28000	21000 22350	20700 34350	23000 23000	23000 23000	22269 16
DATA PROCESSING	0 0	21000 21000	21000 21280	0 0	0 0	21900 22600	0 0	0 0	37000 37000	0 0	0 0	23289 9
CONSULTING	18400 18400	13200 17150	20500 24350	36000 36000	22000 22000	0 0	30300 27933	24500 27250	45000 49550	28000 39000	28000 39000	29675 16
OTHER	14000 14000	0 0	19500 24750	23700 25075	50000 50000	25700 29740	26500 25514	22100 24033	25000 33700	27900 51450	27900 51450	28900 28
COLUMN MEAN COUNT	15914 29	17176 90	20858 198	24752 161	27158 120	30209 121	31621 197	32404 113	33605 95	38642 26	38642 26	27065 1150

TABLE D-48

SALARIES OF CHEMISTS IN PRIVATE INDUSTRY OR BUSINESS

BY WORK SPECIALTY AND EXPERIENCE - BACHELOR'S DEGREE

WORK SPECIALTY	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	ROM TOTAL	
	1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39				
ANALYTICAL MEDIAN MEAN COUNT	1380. 1351. 20	1500. 1465. 88	1680. 1737. 87	2000. 2082. 74	2300. 2324. 56	2450. 2531. 42	2500. 2527. 75	2500. 2547. 44	28000. 28552. 25	25000. 25407. 44	28000. 28552. 25	25000. 26925. 4	21005. 515
INORGANIC	0. 0.	1500. 1496. 10	1600. 1645. 10	1850. 2125. 2	2400. 2568. 7	2700. 2689. 7	2850. 2938. 16	25000. 26987. 7	30000. 30371. 7	30000. 30371. 7	30000. 30371. 7	23800. 32900. 2	24421. 68
ORGANIC	1430. 1410. 5	1470. 1486. 28	1850. 1873. 26	22800. 22364. 11	26000. 25670. 30	28000. 30538. 26	30000. 31510. 42	31300. 38224. 21	30000. 37143. 14	30000. 37143. 14	30000. 37143. 14	30000. 35450. 8	27041. 211
POLYMER, MACROMOL	1380. 1356. 5	1500. 1548. 35	18600. 19535. 37	22000. 23069. 39	25000. 28210. 29	30000. 29941. 34	27100. 31066. 61	28000. 28990. 42	30000. 34322. 32	30000. 34322. 32	30000. 34322. 32	35000. 34383. 6	26517. 320
PHYSICAL, THEORET	0. 0.	1370. 1635. 2	1900. 1900. 1	26200. 26200. 1	25000. 25900. 6	22400. 22400. 1	26000. 31500. 2	25800. 31650. 2	25000. 25000. 1	25000. 25000. 1	25000. 25000. 1	27100. 27100. 1	25535. 17
BIOCHEMISTRY	1350. 1350. 1	1800. 1660. 3	1850. 1950. 3	21000. 23254. 4	0. 0.	23000. 23000. 1	20500. 21250. 2	0. 0.	25000. 30000. 2	25000. 30000. 2	25000. 30000. 2	21000. 21000. 1	21253. 17
AGRICUL, FOOD	1650. 1646. 3	1500. 1483. 16	1850. 1711. 14	19000. 21863. 8	25000. 27253. 8	28500. 35450. 10	27500. 28871. 17	30000. 31115. 13	34000. 36060. 10	34000. 36060. 10	34000. 36060. 10	40000. 44250. 4	26287. 103
PHARMA, MED, CLN	1250. 1243. 3	14800. 1578. 18	17800. 18143. 21	19000. 18964. 11	23400. 26580. 10	22000. 23467. 12	27500. 28900. 15	40000. 39157. 7	28000. 26119. 9	28000. 26119. 9	28000. 26119. 9	28800. 29267. 3	22799. 109
CHEMISTRY, GENERAL	12000. 12117. 7	15800. 15639. 18	18000. 19124. 21	21200. 22222. 23	26000. 27061. 28	29000. 29110. 20	29200. 29867. 39	27000. 30562. 21	32000. 38357. 21	32000. 38357. 21	32000. 38357. 21	26000. 28500. 4	26460. 202
CHEMISTRY, OTHER	11000. 12475. 4	15000. 14405. 21	18900. 18455. 33	19500. 21329. 14	25000. 26547. 17	28000. 27772. 25	26000. 27941. 32	29900. 29334. 35	28000. 38623. 26	28000. 38623. 26	28000. 38623. 26	32700. 57356. 9	27069. 216
NON-CHEMICAL	1300. 1328. 6	1600. 1620. 11	1880. 19256. 9	23000. 24933. 12	23500. 23849. 15	25700. 27318. 11	27000. 28590. 20	27500. 31208. 12	35000. 33975. 8	35000. 33975. 8	35000. 33975. 8	23000. 31000. 3	25231. 107
COLUMN MEAN COUNT	13393. 54	15041. 250	18205. 262	21835. 199	25609. 206	28150. 189	28774. 521	29961. 204	34237. 155	34237. 155	34237. 155	37767. 45	24694. 1885

TABLE D-49

SALARIES OF CHEMISTS IN PRIVATE INDUSTRY OR BUSINESS

BY WORK SPECIALTY AND EXPERIENCE - MASTER'S DEGREE

WORK SPECIALTY	1 OR LESS	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	ROW TOTAL
		2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE			
ANALYTICAL	MEDIAN MEAN COUNT	17200. 17326. 13	20600. 20573. 51	23700. 24185. 41	26000. 25257. 21	28300. 28293. 29	28800. 29433. 42	28800. 32593. 14	31200. 32182. 17	29000. 32763. 8	29000. 32763. 8	24835. 267	
INORGANIC		17000. 17250. 2	20000. 19380. 5	23000. 24500. 5	25000. 28000. 4	30500. 30667. 3	26000. 30383. 6	32000. 32500. 2	31000. 30160. 5	26700. 26700. 1	26151. 35		
ORGANIC		11500. 13350. 2	19000. 20345. 20	24000. 25937. 30	25000. 26194. 18	30400. 31167. 15	29000. 30768. 37	30000. 34400. 20	32000. 33159. 17	30000. 34333. 3	27729. 170		
POLYMER, MACROMOL		16200. 16020. 5	21600. 21222. 37	23800. 24714. 22	27500. 28454. 24	28500. 28725. 20	31000. 32467. 46	30000. 33347. 17	26700. 29012. 17	40000. 51667. 6	27494. 214		
PHYSICAL, THEORET		0. 0. 0	21300. 21300. 1	27700. 28267. 6	0. 0. 0	23500. 23500. 1	31000. 31375. 4	23000. 30000. 2	0. 0. 0	0. 0. 0	27760. 15		
BIOCHEMISTRY		0. 0. 0	23000. 21400. 3	19100. 19100. 1	12000. 18750. 2	42000. 42000. 1	30000. 30000. 2	26600. 30590. 2	0. 0. 0	0. 0. 0	25809. 11		
AGRICUL, FOOD		16900. 16900. 1	19400. 20533. 12	21300. 24240. 5	25000. 26000. 6	24000. 27400. 7	37000. 38527. 11	32000. 33600. 6	24600. 32120. 5	27900. 27900. 1	27502. 59		
PHARMA, MED, CLN		14600. 14600. 1	20000. 20317. 24	23500. 24446. 13	25800. 28090. 10	25000. 27078. 9	29400. 29473. 11	28000. 27833. 6	24000. 29617. 6	24000. 24000. 1	24306. 90		
CHEMISTRY, GENERAL		0. 0. 0	18100. 19486. 7	22400. 23158. 12	28200. 30238. 8	28500. 30333. 6	30000. 33769. 13	30800. 29873. 11	25300. 29856. 9	51000. 51000. 1	28384. 69		
CHEMISTRY, OTHER		18400. 17750. 4	21500. 22027. 26	25300. 28200. 17	25000. 28364. 22	31500. 36420. 20	33500. 33894. 16	30000. 31209. 23	39600. 41225. 16	42000. 46667. 3	29964. 157		
NON-CHEMICAL		17300. 17300. 1	20500. 21917. 12	22800. 26033. 9	20300. 24360. 5	30000. 28940. 10	28000. 29344. 9	30700. 34930. 10	37000. 57033. 3	28000. 30000. 2	28687. 63		
COLUMN MEAN COUNT		15914. 29	20858. 198	24752. 161	27158. 120	30209. 121	31621. 197	32404. 113	33605. 95	38442. 26	27065. 1150		

TABLE D-50

SALARIES OF CHEMISTS IN PRIVATE INDUSTRY OR BUSINESS

BY WORK SPECIALTY AND EXPERIENCE - DOCTOR'S DEGREE

YEARS OF PROFESSIONAL EXPERIENCE

WORK SPECIALTY	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	ROW TOTAL	
	1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE			
MEDIAN MEAN COUNT													
ANALYTICAL	20500. 21000. 16	22200. 22343. 49	25000. 25815. 72	30000. 30418. 55	33500. 35306. 31	32000. 34262. 39	30900. 32377. 22	34000. 38750. 12	35900. 43071. 7	49000. 49000. 2	29410. 305		
INORGANIC	21300. 21300. 1	22300. 22845. 20	27200. 26692. 26	31200. 31767. 15	29000. 31491. 11	30000. 32155. 11	31000. 29733. 3	34000. 35817. 6	35900. 38725. 4	34000. 42000. 2	29249. 99		
ORGANIC	22000. 21538. 13	23200. 23123. 75	26200. 27022. 115	31200. 31575. 88	33100. 33698. 65	36500. 38916. 61	37800. 41547. 49	37000. 40574. 27	34000. 35929. 24	42000. 43900. 7	31995. 524		
POLYMER, MACROMOL	21000. 21250. 6	23600. 23320. 50	27500. 27461. 79	31000. 30910. 103	32000. 32782. 72	35600. 36995. 63	36400. 37639. 67	36000. 36901. 27	46800. 46557. 21	40000. 38700. 6	32524. 494		
PHYSICAL, THEORET	21000. 21500. 2	23300. 23253. 17	26400. 26350. 36	32400. 32924. 21	36000. 37324. 17	34000. 35935. 17	36500. 39800. 16	41300. 39517. 6	45000. 43443. 7	0. 0	32386. 139		
BIOCHEMISTRY	0. 0	23000. 24600. 4	26400. 26949. 25	31700. 31469. 13	32000. 34836. 14	37500. 47000. 9	36000. 35688. 8	42000. 43750. 4	0. 0	35300. 35300. 1	33173. 78		
AGRICUL, FOOD	22000. 22000. 1	22500. 22822. 9	25000. 26104. 27	32500. 31986. 21	34000. 37771. 7	36000. 40872. 13	35000. 36009. 11	35400. 39820. 10	40000. 43600. 6	44000. 39667. 3	33100. 108		
PHARMA, MED, CLN	12300. 16650. 2	21600. 22765. 20	26700. 27016. 64	33500. 33955. 49	33000. 33403. 31	36000. 37444. 34	41000. 41943. 23	43600. 44200. 16	44000. 46740. 15	49000. 58000. 2	33902. 256		
CHEMISTRY, GENERAL	22500. 23100. 2	23400. 24025. 4	25000. 25977. 13	30000. 31225. 20	35000. 38423. 13	37000. 40310. 20	42000. 45525. 20	43000. 64078. 9	42000. 43589. 9	45400. 49700. 3	39281. 113		
CHEMISTRY, OTHER	22000. 22217. 6	23600. 22900. 20	27000. 27505. 42	32000. 32669. 47	36000. 36863. 27	36000. 41346. 28	37400. 43129. 35	39000. 39479. 19	38000. 45207. 15	26200. 27100. 2	34966. 241		
NON-CHEMICAL	18000. 18000. 1	21800. 22300. 8	26000. 26408. 13	33500. 33111. 18	28200. 30306. 18	32300. 39900. 16	41400. 46415. 20	38400. 55143. 14	50000. 51571. 7	300000. 300000. 1	40353. 116		
COLUMN MEAN COUNT	21212. 50	22967. 276	26808. 512	31786. 450	34163. 306	38056. 311	40111. 274	42594. 150	43431. 115	51555. 29	32991. 2473		

TABLE D-51

SALARIES OF CHEMISTS IN PRIVATE INDUSTRY OR BUSINESS
BY GEOGRAPHIC REGION AND EXPERIENCE - BACHELOR'S DEGREE

GEOGRAPHIC REGION	1 OR LESS	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	ROW TOTAL
		2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE			
PACIFIC	14700. 14980. 5	13700. 14433. 24	18000. 18742. 24	22000. 22576. 21	21500. 22945. 20	28000. 32738. 8	25000. 27396. 25	29000. 28571. 21	30000. 35108. 12	25000. 25000. 1	23585. 161		
MOUNTAIN	14500. 15050. 2	16000. 16500. 7	17300. 18967. 6	20500. 20100. 3	20000. 21240. 5	25000. 24980. 5	21000. 20333. 3	0. 0.	22000. 35000. 2	0. 0.	20661. 33		
WEST NO. CENTRAL	12500. 12400. 5	14000. 13987. 15	16800. 17640. 25	22000. 21775. 12	22400. 24233. 12	27400. 27836. 11	30000. 31150. 8	26700. 28760. 10	30000. 33417. 6	0. 0.	22202. 104		
WEST SO. CENTRAL	8700. 13350. 2	15700. 16167. 18	16800. 17564. 25	23000. 23225. 12	26600. 27063. 8	28500. 29687. 15	25000. 27871. 24	31000. 32356. 16	40000. 40789. 9	35000. 40925. 4	25674. 133		
EAST NO. CENTRAL	13600. 14430. 10	15000. 15287. 71	18000. 18269. 68	21100. 21077. 52	23200. 25904. 46	24000. 26803. 40	26500. 28632. 65	26000. 27809. 53	27100. 27657. 35	28800. 29636. 11	23194. 451		
EAST SO. CENTRAL	0. 0.	16200. 15150. 8	19000. 18389. 9	20000. 22020. 5	23400. 22522. 9	19900. 20925. 4	27400. 30175. 8	27000. 27500. 5	29000. 29780. 5	42000. 146000. 2	27327. 55		
MIDDLE ATLANTIC	14000. 13320. 10	15400. 15533. 52	18000. 18041. 51	23500. 23305. 45	25700. 26742. 45	26400. 27778. 41	27700. 28747. 99	28000. 28554. 39	35000. 37234. 38	27000. 31094. 16	25518. 432		
SOUTH ATLANTIC	13000. 13067. 9	15000. 14395. 20	18000. 18400. 23	19300. 19616. 25	23900. 25877. 30	25000. 27248. 23	29000. 29368. 31	30000. 32284. 19	30000. 34661. 18	35000. 37633. 6	24975. 204		
NEW ENGLAND	12500. 12500. 9	14100. 14453. 17	15700. 15933. 9	20500. 21018. 11	25500. 26717. 12	27700. 27420. 15	24000. 29700. 16	30700. 41069. 13	26000. 32000. 11	19200. 19200. 1	24956. 114		
COLUMN MEAN COUNT	13487. 52	15129. 232	18076. 240	21762. 184	25482. 185	27595. 162	28667. 279	29986. 176	33578. 156	37785. 41	24381. 1687		

See page 141 for list of states by geographic region.

TABLE D-52

SALARIES OF CHEMISTS IN PRIVATE INDUSTRY OR BUSINESS
BY GEOGRAPHIC REGION AND EXPERIENCE - MASTER'S DEGREE

GEOGRAPHIC REGION	YEARS OF PROFESSIONAL EXPERIENCE											40 OR MORE	ROM TOTAL
	1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39				
PACIFIC	0 0 0	20300 19200 5	20400 20981 16	25000 25236 11	28000 28773 11	25000 26150 8	33500 36573 11	30800 33258 12	31600 35900 11	29000 30750 2	28653 87		
MOUNTAIN	0 0 0	15600 16900 3	19600 21917 6	18500 20233 3	0 0 0	20000 21767 3	30000 34133 6	0 0 0	22800 23700 2	0 0 0	24365 23		
WEST NO. CENTRAL	14100 14100 1	17500 17529 7	24000 23777 7	23000 23875 8	25000 26082 6	28500 27100 5	30000 30360 10	34500 34833 3	34000 34000 1	42000 42000 1	25924 49		
WEST SO. CENTRAL	16200 17275 4	17700 16900 8	20400 20911 18	25000 26190 10	33000 33629 7	34700 34100 10	29000 30315 13	33000 33427 7	26000 30925 8	0 0 0	26984 85		
EAST NO. CENTRAL	17000 17425 8	17500 18024 17	19300 20276 45	22800 23343 44	23500 25537 30	28500 29048 23	28800 30071 48	28000 28042 26	30000 32545 20	27000 29740 5	25532 266		
EAST SO. CENTRAL	0 0 0	15000 16150 4	21000 21788 8	25000 26180 5	26400 27450 2	34000 34000 1	24000 23065 5	25000 36250 2	18000 21500 2	0 0 0	23776 29		
MIDDLE ATLANTIC	15000 14592 12	16800 16925 24	19500 20592 47	24600 25438 42	26500 28615 33	30000 30693 32	30300 32258 50	32500 34597 29	30000 35369 26	40000 41855 11	27892 306		
SOUTH ATLANTIC	16500 16500 1	18000 18343 7	21000 20430 20	23000 24167 15	25500 25273 11	33500 32538 13	31000 34294 16	30000 35113 8	32000 33078 9	28000 74000 2	28356 102		
NEW ENGLAND	14000 14250 2	14000 14688 8	20500 20981 16	26000 28856 9	25200 23633 9	28500 32607 15	29200 29550 6	33000 40050 6	28000 31000 5	27900 31200 3	26701 79		
COLUMN MEAN COUNT	15811 28	17201 83	20814 183	24761 147	27196 109	30405 110	31530 165	32915 93	33213 84	39758 24	26935 1026		

See page 141 for list of states by geographic region.

TABLE D-53

SALARIES OF CHEMISTS IN PRIVATE INDUSTRY OR BUSINESS
BY GEOGRAPHIC REGION AND EXPERIENCE - DOCTOR'S DEGREE

GEOGRAPHIC REGION	YEARS OF PROFESSIONAL EXPERIENCE										ROW TOTAL	
	1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE		
PACIFIC	1900. 1960. 3	2400. 2396. 28	2600. 2609. 42	3000. 3106. 31	2950. 2998. 15	3600. 3667. 26	3570. 3762. 22	3700. 4100. 7	3400. 3345. 11	3400. 5000. 1	5000. 5000. 1	3077. 186
MOUNTAIN	0. 0.	2130. 2170. 2	2500. 2668. 7	3060. 3068. 5	3400. 3410. 5	4000. 4262. 4	3300. 3525. 6	2800. 3400. 2	4240. 4240. 1	4100. 4100. 1	4100. 4100. 1	3295. 33
WEST NO. CENTRAL	2160. 2210. 4	2280. 2235. 11	2600. 2612. 35	3240. 3280. 22	3700. 3633. 12	3000. 2901. 7	3600. 3904. 17	3310. 3876. 5	3500. 4746. 6	2500. 2500. 1	2500. 2500. 1	3147. 120
WEST SO. CENTRAL	2100. 2131. 7	2300. 2278. 16	2860. 2921. 19	3140. 3246. 38	3200. 3328. 18	3550. 3868. 22	3990. 3790. 15	4500. 4277. 7	5200. 5130. 5	4540. 4540. 1	4540. 4540. 1	3323. 148
EAST NO. CENTRAL	2050. 2104. 11	2250. 2264. 71	2600. 2624. 103	3000. 3163. 93	3300. 3354. 72	3620. 3823. 59	3780. 3810. 41	3600. 4073. 23	4000. 4189. 22	4000. 4266. 3	4000. 4266. 3	3153. 498
EAST SO. CENTRAL	2100. 2235. 2	2240. 2245. 7	2570. 2645. 14	2900. 2950. 12	3190. 3681. 6	2590. 2551. 6	3700. 3532. 5	3450. 3412. 4	4560. 5594. 5	0. 0.	0. 0.	3112. 61
MIDDLE ATLANTIC	2160. 2087. 11	2300. 2293. 74	2650. 2737. 153	3280. 3236. 136	3300. 3513. 102	3600. 3961. 93	3650. 4308. 65	4130. 4155. 43	4000. 4369. 29	4370. 6446. 13	4370. 6446. 13	3404. 719
SOUTH ATLANTIC	2050. 2090. 2	2400. 2313. 23	2660. 2676. 65	3200. 3198. 49	3150. 3225. 34	3700. 3862. 35	3800. 4122. 49	4900. 5928. 29	3700. 4178. 18	4900. 4866. 3	4900. 4866. 3	3515. 307
NEW ENGLAND	2200. 2052. 5	2300. 2316. 22	2600. 2597. 31	3100. 2954. 25	3200. 3511. 16	3500. 3802. 33	3500. 3721. 20	3250. 3247. 9	3400. 3633. 3	4400. 4400. 1	4400. 4400. 1	3128. 165
COLUMN MEAN COUNT	2103. 45	2294. 254	2677. 469	3182. 411	3407. 280	3816. 285	3989. 240	4293. 129	4280. 100	5489. 24	5489. 24	3287. 2237

See page 141 for list of states by geographic region.

SALARIES OF CHEMISTS IN PRIVATE INDUSTRY OR BUSINESS
 BY DEGREE AND NUMBER OF SUBORDINATES
 (PROFESSIONALS AND TECHNICIANS)

HIGHEST DEGREE EARNED	PCTILE	NUMBER OF PROFESSIONALS AND TECHNICIANS							ROW TOTAL
		0	1	2	3 TO 6	7 TO 20	21 OR MORE		
BACHLGRS	10	12800.	14400.	15600.	17000.	18200.	24000.	24694.	
	25	15200.	17000.	18600.	20000.	24000.	28000.	1885.	
	50	19000.	21900.	23000.	30000.	35000.	43000.	12088.	
	75	24200.	27100.	28000.	36000.	41000.	56000.		
	90	31000.	32500.	34000.	26353.	29613.	39382.		
	MEAN	20768.	22725.	23915.	384.	233.	112.		
	COUNT	704.	262.	190.	14731.	9577.	22972.		
	STD DEV	7905.	7622.	7418.					
MASTERS	10	15300.	16500.	17400.	19000.	21400.	31800.	27065.	
	25	18000.	20000.	20300.	22800.	25000.	33500.	1150.	
	50	22000.	25000.	25000.	27000.	29000.	41000.	10063.	
	75	26500.	30000.	30000.	32000.	34700.	47000.		
	90	33000.	34000.	35000.	38800.	39000.	60500.		
	MEAN	23460.	25536.	25427.	28430.	30212.	43903.		
	COUNT	395.	170.	142.	222.	154.	67.		
	STD DEV	7994.	7936.	6954.	9854.	7480.	15980.		
DOCTORS	10	20000.	21800.	21800.	23500.	26500.	35000.	32991.	
	25	22500.	24000.	25000.	26100.	30500.	40000.	2473.	
	50	27000.	28000.	28000.	30400.	34700.	45000.	13351.	
	75	33100.	33000.	32900.	36000.	40000.	55000.		
	90	40000.	37100.	38100.	42000.	47000.	69000.		
	MEAN	28784.	28958.	29335.	32122.	36538.	50566.		
	COUNT	532.	530.	298.	460.	400.	253.		
	STD DEV	8844.	6533.	7001.	9822.	12441.	24426.		
COLUMN	MEAN	24035.	26656.	26820.	29275.	33250.	46633.	28914.	
	COUNT	1631.	962.	630.	1066.	787.	432.	5508.	
	STD DEV	8940.	7596.	7517.	12104.	11304.	23404.	12861.	

TABLE D-55

SALARIES OF CHEMISTS IN PRIVATE INDUSTRY OR BUSINESS

BY DEGREE AND NUMBER OF SUBORDINATES
(PROFESSIONALS AND TECHNICIANS) - MEN

HIGHEST DEGREE EARNED	PCTILE	NUMBER OF PROFESSIONALS AND TECHNICIANS						21 OR MORE	ROW TOTAL
		0	1	2	3 TO 6	7 TO 20			
BACHLORS	I	12800.	14500.	16000.	17500.	19000.	24000.	I	
	I	15300.	17500.	19000.	20500.	24000.	28500.	I	
	I	20000.	23000.	24000.	30000.	28200.	35000.	I	
	I	25000.	27700.	35000.	36000.	41000.	43000.	I	
	I	32400.	33000.	35000.	36000.	30000.	56000.	I	
	I	21380.	23302.	24465.	26804.	30003.	39699.	I	25485.
	MEAN	575	227	171	358	220	110		1661.
	COUNT	8316.	7689.	7483.	15064.	9626.	23055.		12518.
	STD DEV								
MASTERS	I	15600.	17100.	18000.	18900.	22000.	32000.	I	
	I	18000.	20000.	21000.	23000.	25200.	35000.	I	
	I	22700.	25200.	25000.	27500.	29500.	41000.	I	
	I	27900.	31000.	30000.	32000.	35000.	46800.	I	
	I	34000.	34300.	35000.	39400.	40000.	55000.	I	
	I	24146.	26173.	25808.	28760.	30416.	43346.	I	27654.
	MEAN	338	152	131	205	147	65		1038.
	COUNT	8277.	7989.	7002.	10061.	7420.	14410.		9985.
	STD DEV								
DOCTORS	I	20400.	22000.	22000.	23600.	27000.	35000.	I	
	I	22800.	24000.	25000.	26400.	31000.	40000.	I	
	I	27800.	28000.	28000.	30600.	35000.	45000.	I	
	I	33800.	33000.	33000.	36000.	40000.	55000.	I	
	I	40000.	37400.	38100.	42200.	47000.	69000.	I	
	I	29172.	29098.	29492.	32216.	36665.	50781.	I	33253.
	MEAN	502	512	287	449	392	250		2392.
	COUNT	8857.	6540.	7004.	9868.	12504.	24474.		13445.
	STD DEV								
COLUMN	MEAN	24805.	27123.	27213.	29602.	33524.	46776.		29577.
	COUNT	1415	891	589	1012	759	425		5091.
	STD DEV	9157.	7518.	7487.	12235.	11340.	23324.		12996.

TABLE D-56

SALARIES OF CHEMISTS IN PRIVATE INDUSTRY OR BUSINESS
 BY DEGREE AND NUMBER OF SUBORDINATES
 (PROFESSIONALS AND TECHNICIANS) - WOMEN

HIGHEST DEGREE EARNED	PCTILE	NUMBER OF PROFESSIONALS AND TECHNICIANS						ROW TOTAL
		0	1	2	3 TO 6	7 TO 20	21 OR MORE	
BACHL CRS	10	12700.	13000.	14300.	13100.	16000.	18900.	
	25	15100.	14700.	15600.	15300.	18000.	18900.	
	50	17300.	17000.	18000.	18700.	20000.	18900.	
	75	20000.	21000.	21500.	21700.	25800.	25000.	
	90	24600.	27400.	27300.	31000.	29000.	25000.	
	MEAN	18040.	18674.	18968.	20142.	22433.	21950.	18736.
MASTERS	COUNT	129	34	19	26	12	2	222
	STD DEV	4887.	5827.	4515.	6428.	5255.	4313.	5310.
	10	13700.	15400.	17000.	19000.	18100.	24000.	
	25	16500.	16000.	17000.	20400.	18400.	24000.	
	50	19400.	21000.	21000.	24000.	23200.	24000.	
	75	22100.	22500.	22000.	27000.	34000.	100000.	
DOCTORS	90	24600.	26000.	26000.	33000.	38000.	100000.	
	MEAN	19221.	20161.	20891.	24459.	25943.	62000.	21536.
	COUNT	56	18	11	17	7	2	111
	STD DEV	4033.	5000.	4448.	5711.	8033.	53740.	9150.
	10	15700.	19200.	20400.	21900.	21700.	21000.	
	25	18500.	21600.	21000.	24500.	25000.	21000.	
COLUMN	50	22000.	23900.	24000.	26000.	28500.	21000.	
	75	25500.	26400.	28000.	34000.	32000.	42000.	
	90	28000.	33300.	28600.	39000.	42000.	42000.	
	MEAN	22287.	24671.	25245.	28273.	30313.	31500.	25091.
	COUNT	30	17	11	11	8	2	79
	STD DEV	5537.	5003.	5783.	6947.	6693.	14849.	6496.
MEAN	18940.	20539.	21168.	23157.	25678.	38483.	20709.	
COUNT	215	69	41	54	27	6	412	
STD DEV	4970.	5887.	5420.	6991.	7166.	31233.	7180.	

TABLE D-57

SALARIES OF CHEMISTS IN PRIVATE INDUSTRY OR BUSINESS

BY DEGREE AND TOTAL NUMBER OF SUBORDINATES

HIGHEST DEGREE EARNED	PCTILE	TOTAL NUMBER OF SUBORDINATES							ROW TOTAL
		0	1	2	3 TO 6	7 TO 20	21 OR MORE		
BACHLORS	10	12500.	14400.	15600.	16000.	18000.	22000.		
	25	15000.	16900.	18500.	19600.	22700.	27000.		
	50	18700.	21600.	22000.	23500.	27000.	33000.		
	75	24000.	27200.	28000.	28500.	32500.	40000.		
	90	30000.	32500.	33000.	35000.	39500.	53000.		
	MEAN	20355.	22630.	23642.	25484.	28385.	36878.		24694.
	COUNT	627	254	179	393	252	180		1885
	STD DEV	7686.	7582.	7414.	14301.	9258.	19608.		12088.
MASTERS	10	15000.	16800.	17200.	18500.	21000.	25300.		
	25	17700.	20000.	20000.	22000.	25000.	31500.		
	50	21600.	25000.	24500.	26500.	29000.	38000.		
	75	26000.	30000.	28500.	31600.	34500.	44800.		
	90	32000.	34000.	33000.	39400.	38000.	52800.		
	MEAN	22925.	25421.	25209.	28192.	29688.	39801.		27065.
	COUNT	345	179	129	236	161	100		1150
	STD DEV	7645.	7162.	7741.	10176.	7158.	15058.		10063.
DOCTORS	10	20000.	22000.	21600.	23600.	26000.	33000.		
	25	22300.	24000.	24700.	26400.	30000.	38200.		
	50	26200.	28000.	28500.	31000.	34200.	44000.		
	75	32900.	33100.	32500.	36000.	40000.	53000.		
	90	38500.	38000.	38000.	42500.	46000.	67000.		
	MEAN	27943.	29238.	29304.	32352.	35724.	49751.		32991.
	COUNT	481	542	304	471	387	288		2473
	STD DEV	7688.	6774.	7406.	10098.	9281.	25155.		13351.
COLUMN	MEAN	23477.	26816.	26785.	29006.	32197.	43920.		28914.
	COUNT	1453	975	612	1100	800	568		5508
	STD DEV	8351.	7615.	7896.	12169.	9523.	22744.		12861.

SALARIES OF CHEMISTS IN PRIVATE INDUSTRY OR BUSINESS

BY DEGREE AND TOTAL NUMBER OF SUBORDINATES - MEN

HIGHEST DEGREE EARNED	PCTILE	TOTAL NUMBER OF SUBORDINATES							ROW TOTAL
		0	1	2	3 TO 6	7 TO 20	21 OR MORE		
BACHLORS	10	12500.	14500.	15600.	17000.	18000.	22000.	22000.	25485. 1661 12518.
	25	15000.	17500.	19000.	20000.	23200.	27000.	27000.	
	50	19300.	22800.	23000.	24000.	27500.	33000.	33000.	
	75	25000.	27700.	28200.	29000.	29000.	40300.	40300.	
	90	32000.	33000.	33800.	35600.	40000.	54000.	54000.	
	MEAN	20983.	23184.	24170.	26035.	28729.	37114.	37114.	
	COUNT	516	215	159	356	238	177	177	
	STD DEV	8087.	7664.	7536.	14793.	9316.	19686.	19686.	
MASTERS	10	15300.	17100.	17700.	18600.	21400.	25500.	25500.	27654. 1038 9985.
	25	18000.	20600.	20800.	22300.	25000.	31800.	31800.	
	50	22100.	25600.	25000.	27300.	29000.	38000.	38000.	
	75	26500.	31000.	26600.	32000.	34500.	44800.	44800.	
	90	33000.	35000.	33000.	40000.	38500.	52800.	52800.	
	MEAN	25518.	26103.	25638.	28688.	29883.	39348.	39348.	
	COUNT	297	158	117	215	153	98	98	
	STD DEV	7924.	7221.	7820.	10355.	7115.	13830.	13830.	
DOCTORS	10	20400.	22000.	22000.	23600.	26000.	33400.	33400.	33253. 2392 13445.
	25	22500.	24000.	25000.	26500.	30000.	38500.	38500.	
	50	26700.	28300.	28000.	31000.	34300.	44600.	44600.	
	75	33000.	33300.	32700.	36000.	40000.	53000.	53000.	
	90	38800.	38000.	38000.	42500.	46000.	67000.	67000.	
	MEAN	28287.	29421.	29457.	32450.	35838.	49931.	49931.	
	COUNT	455	520	293	460	379	285	285	
	STD DEV	7651.	6787.	7425.	10147.	9301.	25210.	25210.	
CCLUMN	MEAN	24198.	27332.	27194.	29450.	32457.	44028.	44028.	29577.
	COUNT	1268	893	569	1031	770	560	560	5091
	STD DEV	8518.	7552.	7895.	12319.	9514.	22690.	22690.	12996.

TABLE D-59

SALARIES OF CHEMISTS IN PRIVATE INDUSTRY OR BUSINESS

BY DEGREE AND TOTAL NUMBER OF SUBORDINATES - WOMEN

HIGHEST DEGREE EARNED	PCITILE	TOTAL NUMBER OF SUBORDINATES							ROW TOTAL
		0	1	2	3 TO 6	7 TO 20	21 OR MORE		
BACHLORS	10	12700.	13000.	14300.	13100.	16000.	18900.	18900.	18736.
	50	15000.	15000.	15600.	15700.	18000.	18900.	18900.	
	75	16800.	17800.	18000.	19000.	20000.	25000.	25000.	
	90	19800.	21700.	22000.	24000.	26400.	25000.	25000.	
	MEAN	17439.	19311.	19440.	20181.	21954.	22967.	22967.	
MASTERS	COUNT	111	38	20	37	13	3	3	222
	STD DEV	4430.	6244.	4664.	6096.	5624.	3522.	3522.	5310.
	10	13700.	15500.	16000.	13700.	18100.	24000.	24000.	21536.
	25	16800.	16300.	17000.	20000.	18400.	24000.	24000.	
	50	19100.	21500.	20300.	23000.	23200.	24000.	24000.	
75	21000.	22800.	21300.	25000.	29900.	100000.	100000.		
90	24000.	25000.	31000.	31000.	38000.	100000.	100000.		
DOCTORS	MEAN	19045.	20295.	21033.	23105.	25950.	62000.	62000.	9150.
	COUNT	47	21	12	21	8	2	2	111
	STD DEV	3810.	4004.	5610.	6285.	7437.	53740.	53740.	9150.
	10	15700.	19200.	20400.	21900.	21700.	21000.	21000.	25091.
	25	18500.	21600.	21000.	24500.	25000.	21000.	21000.	
50	21500.	24000.	24000.	34000.	28500.	21000.	21000.		
75	22800.	26600.	28000.	34000.	32000.	42000.	42000.		
90	30000.	33000.	28600.	39000.	42000.	42000.	42000.		
COLUMN	MEAN	21923.	24667.	25245.	28273.	30313.	31500.	31500.	6496.
	COUNT	26	21	11	11	8	2	2	79
	STD DEV	5661.	4810.	5783.	6947.	6693.	14849.	14849.	6496.
	10	18483.	20975.	21370.	22361.	25362.	36557.	36557.	20709.
	25	184	80	43	69	29	7	7	
50	4717.	5766.	5638.	6841.	7147.	28963.	28963.		
75									
90									

TABLE D-60

SALARIES OF R&D CHEMISTS IN PRIVATE INDUSTRY OR BUSINESS

BY NUMBER OF SUBORDINATES (PROFESSIONALS)
AND EXPERIENCE - BACHELOR'S DEGREE

NUMBER OF PROFESSIONALS	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	ROW TOTAL
	1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39			
0	12500. 12956. 34	14800. 14614. 138	17000. 16766. 116	20700. 20647. 72	22000. 22449. 68	25000. 25798. 55	25000. 25223. 91	25000. 25704. 47	27400. 27535. 40	26300. 28238. 13	20484. 674	
1 TO 2	0. 0.	16400. 16060. 10	19100. 20056. 18	24000. 23474. 19	26100. 26744. 18	23500. 24638. 16	26000. 27669. 42	30000. 30191. 11	28000. 31069. 16	26000. 34000. 2	25674. 152	
3 TO 6	0. 0.	14000. 16250. 2	21000. 21700. 7	26700. 26143.	26400. 26600. 19	29800. 29380. 20	29000. 32737. 27	31000. 32147. 19	32500. 33192. 12	29000. 25900.	29643. 114	
7 TO 20	0. 0.	0. 0.	22000. 25333. 3	22500. 22833. 3	30600. 31679. 14	34000. 37464. 11	35000. 35365. 23	31000. 31950. 16	40000. 40800. 10	33300. 35650. 2	34195. 82	
21 OR MORE	0. 0.	12000. 12000. 1	0. 0.	0. 0.	24500. 27950. 4	40000. 43750. 4	43000. 44333. 3	39000. 36917. 6	35000. 39500. 6	19200. 37100. 2	37096. 26	
COLUMN MEAN COUNT	12956. 34	14714. 151	17596. 144	21625. 101	24948. 123	28187. 106	28428. 186	29128. 99	31450. 84	30325. 20	23718. 1048	

Note: Includes those in basic research, applied R&D, and management or administration of R&D.

TABLE D-61
SALARIES OF R&D CHEMISTS IN PRIVATE INDUSTRY OR BUSINESS

BY NUMBER OF SUBORDINATES (PROFESSIONALS)
AND EXPERIENCE - MASTER'S DEGREE

NUMBER OF PROFESSIONALS	YEARS OF PROFESSIONAL EXPERIENCE											40 OR MORE	ROW TOTAL
	1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE			
0	16200. 15909. 23	16600. 16337. 60	19000. 18834. 112	23000. 22971. 71	24500. 23882. 49	26300. 26869. 48	27900. 28010. 77	29000. 28769. 36	30000. 29037. 35	30000. 33500. 4	30000. 33500. 4	23080. 515	
1 TO 2	0. 0. 0	20000. 19883. 6	19800. 20467. 15	25300. 24735. 20	26700. 27257. 14	28500. 28717. 18	30000. 30243. 37	28400. 31040. 20	28000. 28692. 12	29000. 35000. 4	29000. 35000. 4	27700. 146	
3 TO 6	0. 0. 0	18500. 19750. 2	23000. 23792. 13	26100. 26765. 20	30500. 31508. 12	30000. 32773. 11	31000. 33614. 22	34500. 34150. 10	30000. 33110. 10	30000. 39000. 4	30000. 39000. 4	30681. 104	
7 TO 20	0. 0. 0	0. 0. 0	20000. 23150. 2	32500. 32817. 6	30300. 29944. 9	34700. 34767. 6	37000. 36131. 16	33200. 33960. 5	31000. 38000. 2	27500. 32067. 3	27500. 32067. 3	33498. 49	
21 OR MORE	0. 0. 0	0. 0. 0	18200. 18200. 1	21000. 21000. 1	42000. 41000. 3	40000. 41763. 8	41000. 41893. 14	42000. 42543. 7	40000. 42675. 4	42000. 45000. 2	42000. 45000. 2	41033. 40	
COLUMN MEAN COUNT	15909. 23	16759. 68	19512. 143	24370. 118	26694. 87	29778. 91	31204. 166	31610. 78	30768. 63	36247. 17	36247. 17	26234. 854	

Note: Includes those in basic research, applied R&D, and management or administration of R&D.

TABLE D-62

SALARIES OF R&D CHEMISTS IN PRIVATE INDUSTRY OR BUSINESS

BY NUMBER OF SUBORDINATES (PROFESSIONALS)
AND EXPERIENCE - DOCTOR'S DEGREE

NUMBER OF PROFESSIONALS	YEARS OF PROFESSIONAL EXPERIENCE											40 OR MORE	ROW TOTAL
	1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	30-34			
0	MEDIAN 21300. MEAN 20342. COUNT 45	22300. 21715. 253	24500. 24173. 319	28700. 28195. 188	30000. 29802. 137	31000. 32520. 122	32700. 32449. 114	34000. 34218. 51	34900. 34117. 41	36000. 34845. 11	37088. 1281		
1 TO 2	21000. 20375. 4	23200. 22574. 47	26000. 26026. 149	30000. 30139. 121	30000. 31029. 82	32000. 32464. 73	34000. 35569. 52	36900. 38695. 22	34000. 35371. 17	34000. 37933. 6	29862. 573		
3 TO 6	30000. 30000. 1	25000. 24755. 22	28000. 27932. 79	32000. 31764. 87	34300. 34658. 66	36400. 37892. 60	37300. 40119. 48	37200. 39417. 29	40000. 39529. 17	35000. 37667. 6	33909. 415		
7 TO 20	0. 0. 0	27500. 25320. 5	30000. 30775. 32	35000. 34948. 66	37000. 37792. 48	40000. 40200. 61	43000. 43000. 44	41400. 42104. 26	44000. 46943. 23	47500. 45300. 6	38657. 311		
21 OR MORE	0. 0. 0	19000. 19000. 1	27200. 27183. 12	40000. 39661. 18	42000. 44882. 34	47000. 49765. 37	44000. 49823. 35	47500. 50265. 31	48000. 52982. 17	49000. 58000. 2	46689. 187		
COLUMN MEAN COUNT	20268. 50	22135. 328	25561. 591	30690. 480	33354. 367	36556. 353	37919. 293	40200. 159	40457. 115	39506. 31	31311. 2767		

Note: Includes those in basic research, applied R&D, and management or administration of R&D.

TABLE D-63

SALARIES OF R&D CHEMISTS IN PRIVATE INDUSTRY OR BUSINESS

BY NUMBER OF SUBORDINATES (TECHNICIANS)
AND EXPERIENCE - BACHELOR'S DEGREE

NUMBER OF TECHNICIANS	YEARS OF PROFESSIONAL EXPERIENCE											40 DR MORE	ROW TOTAL
	1 DR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	40 DR MORE	ROW TOTAL		
0	MEDIAN 12000. MEAN 12657. COUNT 28	14500. 14159. 91	16800. 16627. 81	21000. 21316. 49	22500. 22976. 58	27000. 27141. 32	26000. 28275. 68	26000. 25883. 35	29000. 29943. 30	26300. 28378. 9	21242. 481		
1	14000. 14340. 5	15200. 15459. 32	18000. 18057. 35	19800. 20313. 15	26000. 26830. 23	25600. 26509. 23	26000. 25586. 44	23600. 29153. 19	28600. 31168. 19	0. 0	23264. 215		
2	0. 0	16000. 15613. 13	18700. 18992. 12	22000. 21907. 14	23000. 24350. 12	24000. 26064. 11	26300. 28669. 26	25000. 27367. 9	22000. 23956. 9	32700. 29567. 3	23790. 111		
3 TO 6	14400. 14400. 1	16400. 16380. 10	18700. 19507. 14	22600. 22383. 18	26000. 26422. 18	27100. 26564. 25	27000. 30517. 30	30000. 30511. 18	29000. 34008. 12	25900. 29225. 4	26557. 150		
7 TO 20	0. 0	12000. 14000. 2	19000. 27000. 2	22500. 25575. 4	30600. 30122. 9	32000. 35317. 12	29000. 29692. 12	37500. 35725. 8	32000. 33956. 9	33300. 33300. 1	31529. 59		
21 DR MORE	0. 0	12000. 12000. 1	0. 0	23000. 23000. 1	24500. 27867. 3	40000. 45000. 3	33000. 37000. 6	35000. 34260. 10	39000. 44400. 5	38000. 37400. 3	36013. 32		
COLUMN MEAN COUNT	12956. 34	14714. 151	17596. 144	21625. 101	24948. 123	28187. 106	28428. 186	29128. 99	31450. 84	30325. 20	23718. 1048		

Note: Includes those in basic research, applied R&D, and management or administration of R&D.

TABLE D-64

SALARIES OF R&D CHEMISTS IN PRIVATE INDUSTRY OR BUSINESS

BY NUMBER OF SUBORDINATES (TECHNICIANS)
AND EXPERIENCE - MASTER'S DEGREE

NUMBER OF TECHNICIANS	YEARS OF PROFESSIONAL EXPERIENCE											ROW TOTAL
	1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE		
0	MEDIAN 15200. MEAN 15182. COUNT 11	16600. 16167. 42	19000. 18859. 76	23900. 23543. 61	24800. 24565. 37	26300. 28215. 34	28600. 29006. 54	31600. 32085. 26	28000. 28339. 28	44000. 43000. 4	23994. 373	
1	16800. 16557. 7	16300. 17388. 16	18300. 19421. 28	25000. 24754. 26	26300. 27379. 14	28500. 28720. 25	28000. 29205. 38	29500. 29286. 21	28000. 29669. 16	32000. 32000. 1	25595. 192	
2	16200. 16600. 2	17000. 17200. 4	21600. 20729. 17	23000. 23400. 11	23000. 23964. 14	25000. 26975. 8	28000. 29652. 21	29000. 28236. 11	29000. 31869. 5	27000. 29333. 3	25455. 96	
3 TO 6	17000. 16600. 3	18500. 19220. 5	20000. 21006. 18	24000. 26130. 10	28200. 29958. 12	34000. 33436. 11	31800. 33120. 30	29000. 31308. 12	32000. 32186. 7	26700. 33925. 4	28954. 112	
7 TO 20	0. 0. 0	17500. 17500. 1	20000. 21467. 3	24800. 28413. 8	32000. 32900. 8	33000. 34320. 10	32500. 35091. 11	32000. 32575. 4	45000. 44200. 5	29000. 32833. 3	33045. 53	
21 OR MORE	0. 0. 0	0. 0. 0	18200. 18200. 1	21000. 25000. 2	24000. 36000. 2	37000. 35233. 3	41000. 41792. 12	44800. 49950. 4	24600. 32300. 2	42000. 45000. 2	39350. 28	
COLUMN MEAN COUNT	15909. 23	16759. 68	19512. 143	24370. 118	26694. 87	29778. 91	31204. 166	31610. 78	30768. 63	36247. 17	26234. 854	

Note: Includes those in basic research, applied R&D, and management or administration or R&D.

TABLE D-65

SALARIES OF R&D CHEMISTS IN PRIVATE INDUSTRY OR BUSINESS

BY NUMBER OF SUBORDINATES (TECHNICIANS)
AND EXPERIENCE - DOCTOR'S DEGREE

NUMBER OF TECHNICIANS	MEDIAN MEAN COUNT	YEARS OF PROFESSIONAL EXPERIENCE											ROW TOTAL
		1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE		
0	21600. 19877. 30	22000. 21222. 138	24600. 24398. 196	29000. 28747. 131	30000. 30537. 115	34000. 34512. 104	35000. 35678. 85	39000. 38936. 53	35900. 38392. 38	38000. 38191. 11	29022. 901		
1	21000. 20762. 13	23000. 22582. 98	25700. 25158. 191	30000. 29911. 119	33000. 30927. 81	33200. 33734. 76	33000. 32922. 66	35000. 36053. 37	35000. 34891. 23	43700. 45675. 4	28816. 708		
2	19300. 20500. 6	23000. 22875. 56	26000. 25977. 91	30000. 30089. 85	31300. 34218. 38	33000. 33589. 55	35700. 35855. 40	35000. 35738. 8	41000. 41580. 10	26200. 29320. 5	29837. 394		
3 TO 6	24200. 24200. 1	23600. 23740. 25	27400. 27961. 80	31300. 32063. 96	33800. 33534. 73	35000. 35351. 51	38000. 39160. 42	40000. 39057. 21	38000. 41771. 17	35300. 37883. 6	32975. 412		
7 TO 20	0. 0. 0	22000. 22578. 9	29700. 30314. 21	34500. 35243. 40	37000. 36944. 36	41000. 42195. 40	43000. 44752. 33	40000. 41288. 17	44000. 44175. 16	40000. 45000. 2	38498. 214		
21 OR MORE	0. 0. 0	19000. 20500. 2	22000. 24042. 12	41500. 40089. 9	43000. 47750. 24	48000. 52289. 27	43200. 49967. 27	50000. 51591. 23	47500. 50764. 11	50000. 55333. 3	47161. 138		
COLUMN MEAN COUNT	20268. 50	22135. 328	25561. 591	30650. 480	33354. 367	36556. 353	37919. 293	40200. 159	40457. 115	39506. 31	31311. 2767		

Note: Includes those in basic research, applied R&D, and management or administration or R&D.

TABLE D-66

SALARIES OF R&D CHEMISTS IN PRIVATE INDUSTRY OR BUSINESS

BY NUMBER OF SUBORDINATES (PROFESSIONALS AND TECHNICIANS) AND EXPERIENCE - BACHELOR'S DEGREE

NUMBER OF PROFESSIONALS AND TECHNICIANS	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	ROW TOTAL
	1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE		
0	MEDIAN 12000. MEAN 12657. COUNT 28	14500. 14053. 87	16200. 16390. 73	20900. 21116. 43	21700. 21570. 44	26500. 25743. 23	25000. 25140. 45	24000. 24317. 23	28000. 27242. 19	26300. 28378.	19508. 394	
1	14000. 14340. 5	15200. 15470. 30	17800. 17446. 35	18700. 18630. 10	25200. 25794. 17	27000. 27317. 17	26000. 26542. 33	28600. 27813. 15	28300. 29507. 15	0. 0.	22437. 177	
2	0. 0. 0	16100. 16073. 15	19000. 17718. 11	21200. 21595. 20	25500. 26622. 9	23500. 23646. 13	25000. 26750. 24	25000. 27008. 13	30000. 30864. 11	32700. 29567. 3	23806. 119	
3 TO 6	14400. 14400. 1	15600. 15600. 16	19900. 20553. 17	23000. 22311. 18	24000. 24511. 28	25500. 25730. 23	26000. 29022. 41	30000. 30641. 17	28000. 30147. 15	23000. 23525. 4	25279. 180	
7 TO 20	0. 0. 0	16000. 14800. 3	20200. 21400. 6	26700. 25978. 9	29000. 29060. 20	31000. 31777. 22	31500. 32191. 32	30000. 32022. 18	33000. 34938. 13	42000. 42000. 1	30561. 124	
21 OR MORE	0. 0. 0	0. 0. 0	19000. 27000. 2	22500. 22500. 1	34100. 34780. 5	40000. 41625. 8	37000. 38045. 11	35000. 35292. 13	39000. 39909. 11	38000. 42100. 3	37519. 54	
COLUMN	MEAN 12556. COUNT 34	14714. 151	17596. 144	21625. 101	24948. 123	28187. 106	28428. 186	29128. 99	31450. 84	30325. 20	23718. 1048	

Note: Includes those in basic research, applied R&D, and management or administration of R&D.

TABLE D-67

SALARIES OF R&D CHEMISTS IN PRIVATE INDUSTRY OR BUSINESS

BY NUMBER OF SUBORDINATES (PROFESSIONALS AND TECHNICIANS) AND EXPERIENCE -MASTER'S DEGREE

NUMBER OF PROFESSIONALS AND TECHNICIANS	YEARS OF PROFESSIONAL EXPERIENCE											40 OR MORE	ROW TOTAL
	1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39				
0	MEDIAN 15200. MEAN 15182. COUNT 11	16500. 15882. 39	18800. 18336. 66	21200. 22178. 45	23100. 22988. 25	24500. 25908. 24	26000. 26852. 34	30800. 29400. 14	26000. 28310. 20	30000. 40500. 2	30000.	22024. 284	
1	16800. 16557. 7	15600. 16992. 14	18500. 19538. 28	26500. 26071. 24	25500. 25923. 9	28600. 28358. 19	28800. 29742. 26	29500. 30420. 20	30000. 29300. 13	32000. 32000. 1	25499. 159		
2	16200. 16600. 2	19700. 18780. 5	18000. 19774. 19	21500. 22482. 11	25000. 25727. 15	26500. 26725. 12	27700. 28559. 25	28000. 28600. 7	28000. 26800. 5	21000. 32500. 2	25196. 107		
3 TO 6	17000. 16600. 3	18500. 18113. 8	21700. 21675. 24	25000. 25030. 23	27500. 28084. 14	30000. 31308. 13	30000. 30139. 31	30000. 31350. 18	28000. 29738. 13	40000. 38000. 3	27267. 150		
7 TO 20	0. 0. 0	17500. 21750. 2	20000. 21400. 7	25300. 28192. 13	30500. 30629. 15	30000. 31091. 11	32500. 34617. 29	31000. 31227. 11	32000. 36429. 7	27500. 32033. 6	31274. 101		
21 OR MORE	0. 0. 0	0. 0. 0	26300. 26300. 1	29000. 31250. 2	36000. 36200. 5	37500. 39958. 12	42000. 42076. 17	39800. 42200. 8	42200. 43140. 5	42000. 44000. 3	40564. 53		
COLUMN MEAN COUNT	15909. 23	16759. 68	19512. 143	24370. 118	26694. 87	29778. 91	31204. 166	31210. 78	30768. 63	36247. 17	26234. 854		

Note: Includes those in basic research, applied R&D, and management or administration of R&D.

TABLE D-68

SALARIES OF R&D CHEMISTS IN PRIVATE INDUSTRY OR BUSINESS

BY NUMBER OF SUBORDINATES (PROFESSIONALS AND TECHNICIANS) AND EXPERIENCE - DOCTOR'S DEGREE

NUMBER OF PROFESSIONALS AND TECHNICIANS	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	TOTAL
	1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE		
0	21600. 19630. 27	21800. 20944. 115	23400. 23039. 107	26400. 26783. 64	29000. 28119. 63	30400. 32180. 46	33000. 32349. 47	31800. 33710. 21	33800. 33520. 23	36000. 37575. 8	36000. 37575. 8	26264. 523
1	21000. 20413. 15	23000. 22320. 89	25100. 25003. 175	30000. 29553. 94	30000. 29802. 59	34000. 32616. 62	33000. 33157	36000. 36541. 32	35000. 35848. 15	38000. 40850. 2	38000. 40850. 2	28126. 600
2	19300. 20400. 5	23000. 22659. 58	25000. 25028. 102	30000. 28869. 62	31000. 34574. 43	32000. 33171. 41	32000. 34688. 33	36000. 37262. 13	33000. 35300. 8	26200. 30250. 4	26200. 30250. 4	28830. 369
3 TO 6	24200. 25067. 3	23500. 23379. 47	26300. 26204. 121	30000. 30122. 128	31500. 31622. 86	35000. 33752. 77	36000. 37229. 58	35000. 37367. 24	40000. 39312. 17	33600. 35650. 4	33600. 35650. 4	30771. 565
7 TO 20	0. 0. 0	25000. 23908. 18	29000. 28749. 73	33000. 33676. 59	35000. 35477. 66	38000. 38904. 76	40000. 40253. 49	38000. 39618. 28	44000. 45575. 24	41000. 40350. 8	41000. 40350. 8	35495. 441
21 OR MORE	0. 0. 0	22000. 22000. 1	33000. 34123. 13	37000. 38358. 33	40500. 43272. 50	45000. 48151. 51	44000. 49487. 49	47500. 49368. 41	45600. 48554. 26	50000. 51200. 5	50000. 51200. 5	45902. 269
COLUMN MEAN COUNT	20268. 50	22135. 328	25561. 591	30690. 480	33354. 367	36556. 353	37919. 293	40200. 159	40457. 115	39506. 31	39506. 31	31311. 2767

Note: Includes those in basic research, applied R&D, and management or administration or R&D.

TABLE D-69

SALARIES OF NON-R&D CHEMISTS IN PRIVATE INDUSTRY OR BUSINESS

BY NUMBER OF SUBORDINATES (PROFESSIONALS AND TECHNICIANS)
AND EXPERIENCE - BACHELOR'S DEGREE

NUMBER OF PROFESSIONALS AND TECHNICIANS	YEARS OF PROFESSIONAL EXPERIENCE											ROW TOTAL
	1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE		
0	MEDIAN 13000. MEAN 13136. COUNT 22	14600. 14499. 83	17000. 17443. 56	21100. 20838. 52	22900. 23126. 31	23000. 24713. 32	25500. 26828. 46	26000. 28297. 39	26000. 30719. 31	30000. 31338. 13	21624. 405	
1	14500. 14500. 1	15000. 14741. 17	14500. 15441. 17	19500. 21150. 8	25000. 25811. 9	26100. 27340. 15	25100. 26059. 17	25000. 27108. 12	28000. 29769. 9	27100. 33550. 2	22827. 107	
2	14100. 14100. 1	14300. 14427. 11	17300. 17693. 14	18400. 19188. 8	27000. 27543. 7	32000. 29700. 5	26600. 28190. 20	27300. 28332. 12	30000. 33300. 5	0. 0. 0	23923. 83	
3 TO 6	13800. 14675. 4	15000. 15383. 12	18900. 19185. 33	21000. 22961. 28	24000. 26672. 42	28000. 26550. 26	30000. 29885. 40	25900. 26980. 20	32900. 37647. 17	27000. 64200. 7	26875. 229	
7 TO 20	16000. 16000. 1	15800. 16220. 5	19000. 20854. 18	22200. 23347. 15	26000. 27100. 12	28000. 29400. 14	31000. 31286. 21	27500. 30480. 20	34000. 42500. 14	42000. 42000. 1	28621. 121	
21 OR MORE	0. 0. 0	21700. 21700. 1	21000. 24300. 3	27500. 27200. 3	32000. 38000. 4	31000. 35638. 13	30000. 37722. 18	34000. 50236. 11	30000. 50140. 10	48000. 46500. 4	40455. 67	
COLUMN MEAN COUNT	13528. 29	14729. 129	18216. 141	21763. 114	26090. 105	27758. 105	29459. 162	30445. 114	36315. 86	42663. 27	25211. 1012	

TABLE D-70

SALARIES OF NON-R&D CHEMISTS IN PRIVATE INDUSTRY OR BUSINESS

BY NUMBER OF SUBORDINATES (PROFESSIONALS AND TECHNICIANS) AND EXPERIENCE - MASTER'S DEGREE

NUMBER OF PROFESSIONALS AND TECHNICIANS	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	ROW TOTAL
	1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE		
0	MEDIAN 15200. MEAN 15425. COUNT 8	16000. 16738. 16	19300. 20344. 25	21600. 22486. 29	29000. 26788. 17	25000. 27113. 23	26500. 26172. 25	28000. 28067. 21	32000. 35717. 18	27500. 31983. 6	25050. 188	
1	19200. 19200. 1	20000. 18040. 5	19000. 19800. 6	25200. 25800. 2	22000. 21000. 7	16000. 29000. 2	20000. 27500. 2	34000. 31667. 3	39600. 44200. 3	23000. 23000. 1	24700. 32	
2	0. 0. 0	18000. 18767. 6	21700. 22659. 9	22800. 24014. 7	23600. 24967. 9	28500. 26743. 7	30000. 30800. 6	28800. 30788. 8	25000. 32750. 4	0. 0. 0	26046. 56	
3 TO 6	14000. 14000. 1	16500. 16740. 5	20400. 21071. 21	30000. 27971. 17	27500. 29400. 10	31500. 37691. 11	29200. 32840. 15	38000. 39318. 11	31200. 32177. 7	28000. 32200. 2	25390. 100	
7 TO 20	0. 0. 0	20000. 20000. 1	24500. 24494. 18	25200. 26791. 11	27000. 30000. 6	28300. 29525. 12	30000. 33190. 10	27000. 32025. 4	25300. 30386. 7	23700. 23700. 1	28376. 70	
21 OR MORE	0. 0. 0	24000. 24000. 1	22200. 22200. 1	33500. 37250. 2	28800. 34550. 4	0. 0. 0	42000. 43971. 7	60500. 54167. 3	53100. 66633. 3	75000. 75833. 3	48192. 24	
COLUMN MEAN COUNT	15660. 10	17597. 34	21711. 80	25243. 68	27157. 53	29776. 55	31175. 65	33076. 50	36769. 42	40808. 13	27745. 470	

TABLE D-71

SALARIES OF NON-R&D CHEMISTS IN PRIVATE INDUSTRY OR BUSINESS

BY NUMBER OF SUBORDINATES (PROFESSIONALS AND TECHNICIANS) AND EXPERIENCE - DOCTOR'S DEGREE

NUMBER OF PROFESSIONALS AND TECHNICIANS	YEARS OF PROFESSIONAL EXPERIENCE											ROW TOTAL
	1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE		
0	MEDIAN 21300. MEAN 21200. COUNT 6	21000. 21306. 17	26300. 27530. 23	31200. 31668. 25	28500. 29500. 20	34500. 37157. 21	38500. 38556. 27	40000. 41589. 9	39000. 39855. 11	40000. 34000. 2	32350. 161	
1	0. 0. 0	21800. 22740. 5	26500. 28767. 9	31000. 29845. 11	36000. 38733. 6	29000. 28750. 4	31500. 34883. 6	32500. 32000. 5	37000. 37667. 3	0. 0. 0	31237. 49	
2	24000. 24000. 1	23000. 22933. 3	24000. 24463. 8	32000. 32933. 3	0. 0. 0	39000. 37886. 7	22000. 22000. 1	34000. 33000. 3	34000. 42000. 2	0. 0. 0	30625. 28	
3 TO 6	0. 0. 0	13600. 20800. 2	27000. 27880. 15	29000. 33763. 8	36800. 37825. 4	36200. 39573. 13	46500. 48777. 7	36000. 50514. 4	33000. 38350. 4	0. 0. 0	37448. 62	
7 TO 20	0. 0. 0	20600. 21667. 3	29000. 29077. 13	31000. 33007. 14	35000. 36667. 6	32000. 32500. 6	40000. 60045. 11	35300. 40433. 6	40000. 53875. 4	50000. 55000. 2	39211. 65	
21 OR MORE	0. 0. 0	21000. 21000. 1	40000. 37000. 3	31000. 32900. 5	45000. 44600. 5	50000. 62720. 10	55000. 59000. 8	52000. 94000. 5	60000. 73257. 7	56300. 178150. 2	64300. 46	
COLUMN MEAN COUNT	21600. 7	21687. 31	28099. 71	32053. 66	34456. 41	40894. 63	45770. 60	48517. 35	48939. 31	90050. 6	37530. 411	

TABLE D-72

SALARIES OF NON-R&D CHEMISTS IN PRIVATE INDUSTRY OR BUSINESS

BY TOTAL NUMBER OF SUBORDINATES
AND EXPERIENCE - BACHELOR'S DEGREE

TOTAL NUMBER OF SUBORDINATES	YEARS OF PROFESSIONAL EXPERIENCE											ROW TOTAL
	1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE		
0	MEDIAN MEAN COUNT	13000. 12976. 21	14000. 14372. 75	16800. 17290. 50	21600. 21325. 44	22200. 22677. 22	23000. 24733. 32	25400. 26316. 31	29000. 29800. 31	26000. 30152. 23	27500. 30860. 10	21163. 339
1		14500. 14500. 1	15000. 14936. 14	14500. 15611. 18	19500. 20873. 11	25000. 27133. 9	25700. 25810. 10	24000. 25100. 18	19000. 21083. 6	28000. 31977. 7	30000. 33180. 5	22268. 99
2		14100. 14100. 1	14300. 14518. 11	17900. 18100. 11	17500. 19267. 6	22000. 24200. 6	32000. 30517. 6	28200. 28030. 18	27000. 28527. 11	26600. 30100. 9	0. 0. 0	24132. 75
3 TO 6		16000. 15049. 5	15000. 14838. 19	18500. 18653. 32	20000. 21839. 28	23200. 25028. 39	26000. 26738. 24	27600. 29514. 42	26400. 26983. 18	28500. 35961. 18	25000. 72000. 5	25723. 230
7 TO 20		16000. 16000. 1	16000. 16789. 9	18800. 19278. 18	20900. 21769. 14	26000. 29210. 20	27800. 28243. 14	29200. 29305. 22	25300. 28045. 29	28000. 35575. 12	42000. 42000. 1	26641. 140
21 OR MORE		0. 0. 0	21700. 21700. 1	21000. 23333. 12	27500. 26373. 11	32000. 32322. 9	31000. 33974. 19	31000. 35842. 31	32000. 42505. 19	40300. 50629. 17	48000. 45900. 6	36664. 125
COLUMN MEAN COUNT		13528. 129	14729. 129	18216. 141	21763. 1114	26090. 105	27758. 105	29459. 152	30445. 114	36315. 86	42663. 27	25211. 1012

TABLE D-73

SALARIES OF NON-R&D CHEMISTS IN PRIVATE INDUSTRY OR BUSINESS

BY TOTAL NUMBER OF SUBORDINATES AND EXPERIENCE - MASTER'S DEGREE

TOTAL NUMBER OF SUBORDINATES	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	ROW TOTAL
	1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE		
0	15200. 15271. 7	16000. 16540. 15	19300. 20413. 24	21000. 21563. 19	29000. 27762. 13	25000. 25782. 17	26500. 26832. 19	25000. 27394. 17	25000. 35133. 12	27000. 32225. 4	24352. 147	
1	19200. 19200. 1	20000. 18425. 4	19000. 19260. 5	22700. 24071. 7	22000. 21644. 9	22000. 25150. 4	26500. 28833. 3	34000. 30000. 3	37700. 36620. 5	23000. 28000. 2	24909. 43	
2	0. 0. 0	18400. 19860. 5	22500. 22744. 9	21000. 21863. 6	23000. 25514. 7	20000. 24340. 5	27000. 27933. 3	22000. 26500. 2	25000. 38500. 4	0. 0. 0	25034. 41	
3 TO 6	14000. 14000. 1	16500. 16214. 7	20400. 20964. 22	24000. 25727. 15	27500. 28142. 12	34000. 37315. 13	29200. 30930. 20	38000. 38520. 15	34000. 35333. 9	30000. 31467. 3	29121. 117	
7 TO 20	0. 0. 0	19700. 19850. 2	24000. 24125. 16	25200. 26332. 13	24000. 27600. 6	28000. 28580. 10	30000. 33113. 8	27000. 29350. 8	25000. 29563. 8	23700. 23700. 1	27501. 72	
21 OR MORE	16500. 16500. 1	24000. 24000. 1	22200. 24700. 4	33500. 34750. 8	28800. 33617. 6	31500. 33967. 6	36000. 38483. 12	40000. 46500. 5	46800. 57775. 4	75000. 75833. 3	39514. 50	
COLUMN MEAN COUNT	15660. 10	17597. 34	21711. 80	25243. 68	27157. 53	29776. 55	31175. 65	33076. 50	36769. 42	40808. 13	27745. 470	

TABLE D-74

SALARIES OF NON-R&D CHEMISTS IN PRIVATE INDUSTRY OR BUSINESS

BY TOTAL NUMBER OF SUBORDINATES
AND EXPERIENCE - DOCTOR'S DEGREE

TOTAL NUMBER OF SUBORDINATES	YEARS OF PROFESSIONAL EXPERIENCE											40 OR MORE	90M TOTAL
	1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39				
0	MEDIAN 21300. MEAN 21200. COUNT 6	20500. 20564. 14	26300. 27800. 19	31000. 31156. 18	27000. 28893. 14	34500. 34659. 17	37500. 37316. 19	36000. 37083. 6	36000. 37267. 9	34000. 37000. 2	30957. 124		
1	0. 0. 0	23000. 24143. 7	26600. 26900. 11	32300. 32058. 12	35000. 35788. 8	29000. 30320. 5	31500. 37170. 10	30700. 33550. 6	37000. 40250. 4	0. 0. 0	32087. 63		
2	24000. 24000. 1	23000. 22933. 3	26000. 26967. 9	31000. 33200. 4	21000. 30867. 3	32000. 34743. 7	39000. 34667. 5	34000. 48167. 3	34000. 34000. 1	0. 0. 0	31959. 34		
3 TO 6	0. 0. 0	13600. 20800. 2	27000. 28086. 14	32000. 32256. 9	36800. 37260. 5	37600. 42008. 13	46500. 45157. 7	36000. 50886. 7	42400. 42680. 5	0. 0. 0	37794. 62		
7 TO 20	0. 0. 0	20000. 21000. 4	28500. 28000. 13	31000. 29915. 13	35000. 36667. 6	32000. 31429. 7	41400. 57483. 6	36000. 40767. 6	45000. 46833. 3	50000. 55000. 2	35282. 60		
21 OR MORE	0. 0. 0	21000. 21000. 1	33000. 34200. 5	31000. 35800. 10	45000. 44600. 5	48000. 59014. 14	52000. 60033. 15	52000. 75571. 7	60000. 70311. 9	56300. 178150. 2	59085. 68		
COLUMN MEAN COUNT	21600. 7	21687. 31	28099. 71	32053. 66	34456. 41	40894. 63	45770. 60	48517. 35	48939. 31	90050. 6	37530. 411		

TABLE D-75

SALARIES OF CHEMISTS IN COLLEGE OR UNIVERSITY

BY WORK FUNCTION AND EXPERIENCE - BACHELOR'S OR MASTER'S DEGREE

WORK FUNCTION	YEARS OF PROFESSIONAL EXPERIENCE											40 OR MORE	ROW TOTAL	
	1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE				
R&D MGMT, ADMINIS	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	2000. 2000. 1	0. 0. 0	2900. 3400. 2	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	29333. 3
BASIC RESEARCH	9700. 11000. 5	10500. 10218. 11	12000. 12950. 10	17100. 17933. 3	19200. 19225. 4	19200. 18467. 3	17500. 16100. 3	25200. 25200. 1	22000. 22000. 1	22000. 22000. 1	21000. 21000. 1	21000. 21000. 1	14269. 42	
APPLIED R&D	0. 0. 0	17500. 17500. 1	12000. 11780. 5	21000. 18267. 3	0. 0. 0	21200. 21733. 3	0. 0. 0	15000. 19500. 2	13000. 13000. 1	13000. 13000. 1	0. 0. 0	0. 0. 0	16560. 15	
GEN MGMT, ADMINIS	0. 0. 0	10000. 10400. 2	0. 0. 0	23000. 23000. 1	25000. 25000. 1	14000. 14000. 1	17500. 17500. 1	22000. 22000. 1	18400. 19700. 2	18400. 19700. 2	0. 0. 0	0. 0. 0	17567. 9	
TEACHING, RESRCH	11500. 10100. 3	11700. 11392. 14	13400. 13967. 15	16000. 16322. 23	19000. 19600. 25	21400. 21224. 21	22000. 21806. 16	18800. 18829. 7	17000. 20875. 8	17000. 20875. 8	21200. 21200. 1	21200. 21200. 1	17889. 133	
MKT, SALE, PUR, TCH	0. 0. 0	11900. 11900. 1	0. 0. 0	0. 0. 0	14000. 14000. 1	0. 0. 0	0. 0. 0	14000. 14000. 1	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	13300. 3	
PRD, QUAL CONTROL	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	28000. 1	
FORENSIC, LAB ANL	14000. 14000. 1	11500. 12175. 4	13300. 13300. 3	0. 0. 0	0. 0. 0	0. 0. 0	23700. 23700. 1	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	14033. 9	
WRITE, ABST, LIBRY	0. 0. 0	0. 0. 0	0. 0. 0	20000. 20000. 1	0. 0. 0	0. 0. 0	17000. 17000. 1	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	18500. 2	
DATA PROCESSING	0. 0. 0	9200. 9200. 1	12000. 15500. 2	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	13400. 3	
OTHER	0. 0. 0	9000. 9000. 1	8000. 8000. 1	16000. 16500. 2	0. 0. 0	13500. 13500. 1	0. 0. 0	18000. 18000. 1	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	13583. 6	
COLUMN MEAN COUNT	11033. 9	11114. 35	13239. 36	16970. 33	19559. 32	20476. 29	21809. 24	19231. 13	20723. 13	20723. 13	21100. 2	21100. 2	16945. 226	

TABLE D-76

SALARIES OF CHEMISTS IN COLLEGE OR UNIVERSITY

BY WORK FUNCTION AND EXPERIENCE - DOCTOR'S DEGREE

WORK FUNCTION	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	ROM TOTAL
	1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39			
R&D MGMT, ADMINIS	0. 0. 0	0. 0. 0	0. 0. 0	38600. 38600. 1	29000. 32420. 5	30200. 28580. 5	36000. 33000. 3	36000. 41400. 4	36000. 37350. 2	0. 0. 0	0. 0. 0	34145. 20
BASIC RESEARCH	11500. 10940. 5	15000. 15124. 21	18000. 19028. 46	22400. 22190. 29	25000. 26483. 23	30000. 29480. 15	30200. 30207. 14	36000. 35886. 7	39000. 36222. 9	35000. 35500. 2	23471. 171	
APPLIED R&D	0. 0. 0	19000. 18440. 5	20000. 20057. 1	23000. 23000. 1	30000. 30000. 1	30000. 25667. 3	24000. 24000. 1	47000. 47000. 1	0. 0. 0	33600. 33600. 1	23360. 20	
GEN MGMT, ADMINIS	0. 0. 0	0. 0. 0	22000. 20820. 5	27500. 28193. 15	27000. 28525. 16	35000. 37394. 18	36000. 36400. 18	36000. 41600. 7	34500. 34560. 10	0. 0. 0	33129. 89	
TEACHING, RESRCH	12400. 13900. 8	14900. 15688. 103	16600. 17541. 286	20000. 20921. 310	22500. 23922. 246	25000. 25713. 191	26000. 27770. 149	27000. 28624. 106	30000. 30558. 53	30000. 29250. 8	22637. 1460	
MKT, SALE, PUR, TCH	0. 0. 0	0. 0. 0	0. 0. 0	12000. 21000. 2	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	21000. 2	
PRD, QUAL CONTROL	0. 0. 0	0. 0. 0	0. 0. 0	24000. 24000. 1	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	24000. 1	
FORENSIC, LAB ANL	18500. 18500. 1	0. 0. 0	0. 0. 0	20300. 27150. 2	20000. 20000. 1	0. 0. 0	46400. 46400. 1	0. 0. 0	0. 0. 0	0. 0. 0	27840. 5	
DATA PROCESSING	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	18400. 18400. 1	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	18400. 1	
OTHER	0. 0. 0	0. 0. 0	18500. 24250. 2	0. 0. 0	0. 0. 0	23000. 23000. 1	36000. 36000. 1	0. 0. 0	0. 0. 0	0. 0. 0	26875. 4	
COLUMN MEAN COUNT	13171. 14	15703. 129	17876. 346	21423. 361	24528. 292	26871. 234	28990. 187	30313. 125	31972. 74	30782. 11	23403. 1773	

TABLE D-77

SALARIES OF CHEMISTS IN COLLEGE OR UNIVERSITY

BY WORK SPECIALTY AND EXPERIENCE - BACHELOR'S OR MASTER'S DEGREE

WORK SPECIALTY	1 OR LESS	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	ROW TOTAL	
		2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39					
MEDIAN MEAN COUNT														
ANALYTICAL	9700. 13100. 2	11500. 11414. 7	11500. 12000. 6	20000. 18400. 4	20000. 22233. 6	17000. 18270. 10	22000. 20333. 3	15000. 15000. 1	14500. 17750. 2	21000. 21100. 2	16779. 43			
INORGANIC	0. 0. 0	24000. 24000. 1	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	14000. 14000. 1	15000. 19500. 2	0. 0. 0	19250. 4			
ORGANIC	10000. 10000. 1	12000. 12000. 1	15500. 16450. 2	18000. 19250. 2	17000. 18600. 3	21400. 21400. 1	21000. 23000. 2	11500. 14750. 2	13000. 13000. 1	0. 0. 0	17273. 15			
POLYMER, MACROMOL	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	14000. 14000. 1	0. 0. 0	0. 0. 0	15000. 15000. 1	16500. 16500. 1	0. 0. 0	15167. 3			
PHYSICAL, THEORET	4700. 4700. 1	13800. 13800. 1	0. 0. 0	16000. 16000. 1	0. 0. 0	16500. 19850. 2	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	14840. 5			
BIOCHEMISTRY	0. 0. 0	10100. 5511. 9	10000. 12400. 4	16000. 14350. 6	22700. 22700. 1	19200. 19200. 1	17000. 16333. 3	25200. 25200. 1	0. 0. 0	0. 0. 0	13496. 25			
AGRICUL, FOOD	14000. 14000. 1	0. 0. 0	11800. 14900. 2	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	22000. 25000. 2	0. 0. 0	18760. 5			
PHARMA, MED, CLN	9600. 9600. 1	10500. 10500. 1	12700. 12700. 5	0. 0. 0	15000. 17700. 2	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	13222. 9			
CHEMISTRY, GENERAL	11500. 12800. 2	10500. 10867. 9	13400. 13391. 11	16600. 17140. 5	17600. 18435. 17	25000. 23015. 13	23000. 23809. 11	23500. 23833. 3	17000. 17700. 2	0. 0. 0	18183. 83			
CHEMISTRY, OTHER	9200. 9200. 1	12000. 12733. 3	12000. 12625. 4	17100. 17233. 3	19200. 25600. 2	13500. 15800. 2	22000. 25675. 4	19000. 20600. 3	27000. 29500. 2	0. 0. 0	18663. 24			
NON-CHEMICAL	0. 0. 0	9000. 9067. 3	12000. 15500. 2	17000. 18500. 2	0. 0. 0	0. 0. 0	10800. 10800. 1	18000. 18000. 1	21000. 21000. 1	0. 0. 0	14500. 10			
COLUMN MEAN COUNT	11033. 9	11114. 35	13239. 36	16970. 133	19559. 32	20476. 29	21808. 24	19231. 13	20723. 13	21100. 2	16945. 226			

TABLE D-78

SALARIES OF CHEMISTS IN COLLEGE OR UNIVERSITY

BY WORK SPECIALTY AND EXPERIENCE - DOCTOR'S DEGREE

WORK SPECIALTY	1 OR LESS	YEARS OF PROFESSIONAL EXPERIENCE								40 OR MORE	ROW TOTAL
		2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39		
ANALYTICAL	12400. 12800. 2	14900. 15488. 16	17000. 17925. 24	18500. 18957. 42	21000. 21907. 29	21000. 23480. 20	22800. 24433. 18	24200. 25563. 8	18500. 22375. 4	33600. 33600. 1	20567. 164
INORGANIC	0. 0	14800. 14440. 15	16000. 16861. 49	19800. 19790. 48	20700. 22157. 21	23100. 25135. 20	21100. 25450. 8	28500. 26869. 5	30000. 28000. 7	33000. 34000. 2	20358. 175
ORGANIC	12200. 12200. 1	14700. 15561. 36	16000. 16377. 61	19400. 20083. 71	22000. 23397. 58	23700. 24833. 51	24800. 26438. 40	26000. 28785. 34	32000. 31345. 11	26000. 30250. 4	22133. 367
POLYMER, MACROMOL	0. 0	16000. 16000. 1	0. 0	22000. 21600. 8	23900. 25913. 8	32000. 28871. 7	33000. 32725. 4	27000. 34533. 3	0. 0	0. 0	26861. 31
PHYSICAL, THEORET	11500. 11333. 3	13200. 14546. 13	15500. 16284. 36	19900. 21305. 61	21500. 22567. 52	25500. 25938. 38	25000. 28054. 26	29500. 29829. 14	35000. 34612. 17	0. 0	23080. 260
BIOCHEMISTRY	12500. 11167. 3	16000. 16120. 20	18300. 19663. 92	22700. 24272. 57	27000. 27229. 59	28000. 30368. 41	32000. 32397. 38	34100. 35761. 23	35000. 36719. 16	34000. 28667. 3	25799. 352
AGRICUL, FOOD	0. 0	18000. 18850. 2	20000. 20075. 4	25000. 25500. 10	28500. 31875. 4	27700. 27514. 7	32000. 28233. 3	32000. 34333. 3	33000. 36000. 2	30000. 30000. 1	27300. 36
PHARMA, MED, CLN	18500. 18850. 2	20000. 19000. 6	19200. 19920. 20	27500. 27142. 12	27500. 29753. 15	31700. 34957. 7	37000. 39300. 8	32600. 31960. 5	27000. 28740. 5	0. 0	27309. 80
CHEMISTRY, GENERAL	10700. 10700. 1	12900. 14522. 9	14500. 15191. 35	18000. 19522. 27	19200. 21281. 16	20000. 21369. 13	22000. 23600. 20	25500. 25230. 10	19200. 19567. 3	0. 0	15413. 134
CHEMISTRY, OTHER	18700. 18700. 1	17800. 17544. 9	20000. 20758. 19	21000. 22576. 17	26100. 25684. 19	30000. 29629. 14	30000. 33617. 12	30600. 29698. 12	37000. 35065. 5	0. 0	25876. 108
NON-CHEMICAL	12000. 12000. 1	11000. 16650. 2	20000. 21717. 6	26000. 26788. 8	27000. 28836. 11	30000. 30388. 16	36000. 35350. 10	35000. 37575. 8	27500. 27500. 4	0. 0	29658. 66
COLUMN	13171. 14	15703. 129	17876. 346	21423. 361	24528. 292	26871. 234	28990. 187	30313. 125	31972. 74	30782. 11	23493. 1773

TABLE D-79

SALARIES OF CHEMISTS IN COLLEGE OR UNIVERSITY

BY NUMBER OF SUBORDINATES (PROFESSIONALS AND TECHNICIANS) AND EXPERIENCE - BACHELOR'S OR MASTER'S DEGREE

NUMBER OF PROFESSIONALS AND TECHNICIANS	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	TOTAL
	1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39			
0	MEDIAN 10000. MEAN 11033. COUNT 9	10500. 10659. 27	12000. 12813. 23	16000. 16714. 14	19000. 18827. 15	23200. 21423. 13	22000. 21300. 13	18000. 19417. 6	17000. 18778. 9	21200. 21200. 1	15848. 130	
1	0. 0. 0	12000. 11933. 3	13800. 14550. 4	15000. 16000. 2	17600. 18820. 10	23500. 21333. 3	22000. 22500. 2	14000. 18750. 2	0. 0. 0	0. 0. 0	17719. 26	
2	0. 0. 0	11500. 11750. 2	10600. 12250. 4	15500. 16533. 6	22700. 24600. 2	13500. 17350. 2	22000. 21167. 3	25200. 25200. 1	18400. 18400. 1	21000. 21000. 1	17441. 22	
3 TO 6	0. 0. 0	10600. 14050. 2	16000. 14733. 3	16700. 16633. 6	25000. 25000. 1	19200. 20600. 7	21000. 22000. 4	15000. 16267. 3	22000. 27000. 2	0. 0. 0	15004. 28	
7 TO 20	0. 0. 0	13800. 13800. 1	13100. 15250. 2	16600. 18000. 4	20400. 20275. 4	15000. 18100. 4	29000. 29000. 1	22000. 22000. 1	28000. 28000. 1	0. 0. 0	19378. 18	
21 OR MORE	0. 0. 0	0. 0. 0	0. 0. 0	23000. 23000. 1	0. 0. 0	0. 0. 0	21000. 21000. 1	0. 0. 0	0. 0. 0	0. 0. 0	22000. 2	
COLUMN MEAN COUNT	11033. 9	11114. 35	13239. 36	16970. 33	19558. 32	20476. 29	21808. 24	19231. 13	20723. 13	21100. 2	16945. 226	

TABLE D-80

SALARIES OF CHEMISTS IN COLLEGE OR UNIVERSITY

BY NUMBER OF SUBORDINATES (PROFESSIONALS AND TECHNICIANS) AND EXPERIENCE - DOCTOR'S DEGREE

NUMBER OF PROFESSIONALS AND TECHNICIANS	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	ROW TOTAL
	1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE		
0	MEDIAN 12000. MEAN 12050. COUNT 10	14400. 14698. 81	15800. 16097. 164	19000. 18947. 164	21000. 22003. 118	23100. 23502. 85	23500. 24333. 66	25000. 26153. 47	25000. 25047. 17	33000. 31667. 3	19878. 755	
1	13000. 13100. 2	16000. 16389. 18	16600. 17677. 48	19100. 19955. 31	22600. 23200. 29	25500. 25265. 23	25000. 25756. 16	31000. 33214. 7	27500. 29450. 6	0. 0.	21464. 180	
2	0. 0.	18000. 17636. 14	19000. 19405. 38	21400. 22419. 36	22000. 23362. 26	24800. 24724. 17	30500. 31890. 10	27000. 29431. 16	27000. 29700. 8	35500. 35500. 1	23386. 166	
3 TO 6	0. 0.	18000. 18446. 13	19800. 19797. 70	22000. 23481. 79	27000. 26672. 54	25200. 26902. 49	30200. 30424. 49	31000. 31842. 26	35000. 33182. 17	30000. 29017. 6	25609. 363	
7 TO 20	18500. 18500. 1	16200. 17833. 3	19500. 21491. 22	24500. 26126. 39	25600. 26847. 45	32000. 31131. 39	33100. 31904. 27	28000. 29843. 14	35000. 37444. 16	34000. 34000. 1	28494. 207	
21 OR MORE	19200. 19200. 1	0. 0.	26100. 25150. 4	27000. 27242. 12	31000. 31870. 20	35000. 36019. 21	36500. 38526. 19	36000. 40720. 15	36400. 36260. 10	0. 0.	34764. 102	
COLUMN MEAN COUNT	13171. 14	15703. 129	17876. 346	21423. 361	24528. 292	26871. 234	28990. 187	30313. 125	31972. 74	30782. 11	23493. 1773	

TABLE D-82

SALARIES OF CHEMICAL ENGINEERS

BY EMPLOYER AND EXPERIENCE - BACHELOR'S DEGREE

EMPLOYER	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	ROW TOTAL
	1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE		
MANUFACTURING	13500 14783 6	17400 19962 13	22000 22218 17	26000 25191 11	29500 30800 23	30000 29811 44	32500 35995 61	31400 33497 66	33000 41106 63	30500 36938 8	33060 3512	
NONMANUFACTURING	0 0	18100 18100 1	18200 18625 4	18700 19550 2	30000 78000 3	38000 39367 3	34000 37467 18	35000 37423 13	32000 41453 15	25200 37600 2	38389 61	
COLLEGE, UNIVRSITY	0 0	0 0	0 0	0 0	0 0	0 0	0 0	36000 36000 1	0 0	25000 25000 1	30500 2	
FEDERAL GOVERNMENT	0 0	0 0	19000 20800 2	20000 22000 2	0 0	26300 28150 2	25500 28714 7	33000 32333 6	33000 34964 11	28400 28400 1	30642 31	
STATE, LOCAL GOV	0 0	0 0	0 0	0 0	0 0	0 0	25000 26450 2	0 0	0 0	0 0	26450 2	
SELF-EMPLOYED	0 0	0 0	0 0	0 0	0 0	22000 22000 1	0 0	30000 40000 2	0 0	0 0	34000 3	
NONPRFT RES INST	0 0	20300 21650 2	0 0	0 0	0 0	25000 25000 1	28000 28000 1	30000 36750 2	30000 31825 4	0 0	29710 10	
COLUMN MEAN COUNT	14783 6	20056 16	21470 25	24013 15	36246 26	30061 51	35416 89	34231 90	40037 93	35342 12	33538 421	

TABLE D-83

SALARIES OF CHEMICAL ENGINEERS

BY EMPLOYER AND EXPERIENCE - MASTER'S DEGREE

EMPLOYER	1 OR LESS	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	ROW TOTAL
		2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE			
MANUFAC - TURING	19000. 20367. 6	20000. 20793. 15	22800. 23264. 14	28000. 27233. 15	33000. 33650. 10	34700. 32544. 25	34000. 36233. 48	40000. 43439. 33	40000. 41241. 22	46000. 43567. 3	34184. 191		
NONMANUFACTURING	21300. 21300. 1	20000. 20000. 3	23900. 23950. 6	25900. 27600. 4	40000. 41400. 7	31800. 33567. 3	35000. 36659	40000. 44227. 9	45000. 48600. 4	20000. 32500. 2	35692. 48		
COLLEGE, UNIVRSTY	0. 0. 0	14800. 14800. 1	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	23100. 23533. 3	24000. 24000. 1	0. 0. 0	21880. 5		
FEDERAL GOVERNMT	18000. 18000. 1	0. 0. 0	0. 0. 0	30000. 30675. 4	26300. 26300. 1	35000. 35000. 1	28000. 31000. 3	43400. 43400. 1	0. 0. 0	0. 0. 0	30764. 11		
STATE, LOCL GOV	0. 0. 0	0. 0. 0	17100. 17100. 1	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	21900. 21900. 1	19500. 2		
SELF- EMPLOYED	0. 0. 0	24000. 24000. 1	0. 0. 0	0. 0. 0	0. 0. 0	40000. 40000. 3	42000. 40000. 3	0. 0. 0	20000. 20000. 1	0. 0. 0	34000. 6		
HOSPITAL, IND LAB	0. 0. 0	0. 0. 0	25000. 25000. 1	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	29000. 29000. 1	0. 0. 0	0. 0. 0	27000. 2		
NONPRFT RES INST	0. 0. 0	0. 0. 0	0. 0. 0	28000. 29000. 2	0. 0. 0	33600. 33600. 1	28000. 28000. 1	31500. 31500. 1	0. 0. 0	0. 0. 0	30220. 5		
OTHER	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	80000. 80000. 1	0. 0. 0	0. 0. 0	80000. 1		
COLUMN MEAN COUNT	20188. 8	20535. 20	23250. 22	27984. 25	36256. 18	32997. 31	36095. 64	42571. 45	40918. 28	36267. 6	34015. 271		

TABLE D-84

SALARIES OF CHEMICAL ENGINEERS

BY EMPLOYER AND EXPERIENCE - DOCTOR'S DEGREE

EMPLOYER	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	ROW TOTAL
	1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE		
MANUFAC - TURING	22000. 23500. 2	24000. 24368. 19	27600. 28435. 20	35000. 36009. 34	34000. 36093. 29	41000. 43448. 29	40500. 48197. 29	36000. 39315. 13	50000. 49329. 7	0. 0. 0	0. 0. 0	37713. 182
NONMANUFACTURING	0. 0.	25000. 23333. 3	27000. 26967. 9	32300. 33960. 10	40000. 39511. 9	37400. 45360. 5	34000. 41286. 7	0. 0.	32000. 85000. 3	50000. 50000. 1	0. 0.	38909. 47
COLLEGE, UNIVRSITY	18000. 18000. 1	17000. 18580. 5	20100. 20933. 12	27400. 26374. 19	25000. 27845. 11	27300. 28482. 11	29400. 32650. 12	34000. 34529. 7	29500. 33275. 8	29500. 29500. 1	0. 0.	27724. 87
FEDERAL GOVERNMT	0. 0.	26000. 26300. 2	22500. 26250. 2	35000. 34000. 3	32500. 32940. 5	35000. 36767. 6	35000. 35500. 2	0. 0.	32000. 32000. 1	0. 0.	0. 0.	33114. 21
SELF- EMPLOYED	0. 0.	0. 0.	0. 0.	0. 0.	30000. 37500. 2	0. 0.	50000. 50000. 2	0. 0.	0. 0.	0. 0.	0. 0.	43750. 4
NONPRFT RES INST	0. 0.	30000. 30000. 1	25200. 27900. 2	0. 0.	28400. 32200. 2	0. 0.	30000. 30150. 2	31800. 40900. 2	0. 0.	0. 0.	0. 0.	32478. 9
COLUMN MEAN COUNT	21667. 3	23617. 30	26020. 45	32833. 66	34702. 58	39622. 51	42774. 54	37936. 22	47289. 19	39750. 2	35049. 350	

TABLE D-85

SALARIES OF CHEMICAL ENGINEERS

BY WORK FUNCTION AND EXPERIENCE - BACHELOR'S DEGREE

WORK FUNCTION	1 OR LESS	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	ROW TOTAL
		2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE			
R&D MGMT, ADMINIS	0 0 0	23000 31500 2	0 0 0	26000 25867 3	24000 29500 2	34000 36386 7	37000 40367 12	35500 34806 17	37000 46111 19	0 0 0	0 0 0	38815 62	
BASIC RESEARCH	14000 14000 1	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	14000 1	
APPLIED R&D	11500 11500 1	20300 20700 4	22000 21733 9	24000 26000 3	29500 28540 5	29000 27711 15	32000 33181 26	27500 28447 17	30000 29692 25	28400 29817 6	28400 29817 6	28736 115	
GEN MGMT, ADMINIS	0 0 0	0 0 0	23300 22700 3	32100 34550 2	42000 52889 9	30600 30729 7	32000 41273 22	36600 42746 24	38000 54004 23	27000 40667 3	27000 40667 3	44369 93	
TEACHING, RESRCH	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	36000 36000 1	0 0 0	0 0 0	0 0 0	36000 1	
MKT, SALE, PUR, TCH	13500 16850 2	16400 15867 3	18600 20520 5	14600 15700 2	25900 25900 1	38000 40000 2	33300 35023 13	30000 31419 16	33000 36056 9	25200 25200 1	25200 25200 1	30165 54	
PRD, QUAL CONTROL	12000 12000 1	13800 18800 4	20500 21575 4	18700 18850 2	25000 27000 6	25000 29650 12	26100 27025 8	24000 25583 6	29500 31355 11	0 0 0	0 0 0	26733 54	
FORENSIC, LAB ANL	0 0 0	0 0 0	0 0 0	20000 20000 1	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	20000 1	
WRITE, ABST, LIBRY	0 0 0	0 0 0	0 0 0	22400 22400 1	0 0 0	0 0 0	21700 28850 2	24000 24000 1	30000 30000 1	0 0 0	0 0 0	26820 5	
DATA PROCESSING	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	30000 30000 1	15000 15000 1	26500 26500 1	0 0 0	0 0 0	0 0 0	23833 3	
CONSULTING	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	22000 22000 1	28000 34000 2	35000 42500 2	27000 28500 2	48000 49000 2	48000 49000 2	36667 9	
OTHER	17500 17500 1	17400 17433 3	18200 20600 2	20400 23200 2	21000 27200 2	24000 24500 2	25300 28233 3	23400 30380 5	33000 35500 3	0 0 0	0 0 0	26257 23	
COLUMN MEAN COUNT	14783 6	20056 16	21470 23	24013 15	36246 26	30061 51	35416 89	34231 90	40037 93	35342 12	35342 12	33538 421	

TABLE D-86

SALARIES OF CHEMICAL ENGINEERS

BY WORK FUNCTION AND EXPERIENCE - MASTER'S DEGREE

WORK FUNCTION	YEARS OF PROFESSIONAL EXPERIENCE											40 OR MORE	ROW TOTAL
	1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE			
R&D MGMT, ADMINIS	0 0 0	22000 22000 1	32200 32200 1	31500 31171 7	32300 30867 3	33600 35050 8	43000 39852 15	50000 50550 10	41000 43442 7	45000 45000 1			35581 53
BASIC RESEARCH	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	35000 35000 1	0 0 0	0 0 0	0 0 0	0 0 0			35000 1
APPLIED R&D	19000 19050 4	20000 20720 10	23100 22985 13	22500 23600 9	32000 32600 3	29500 27943 7	32500 31387 15	32000 35478 9	28000 32600 6	29700 29700 1			27517 77
GEN. MGMT, ADMINIS	18000 22500 2	0 0 0	17100 17100 1	26000 28000 4	42000 39640 5	35000 36900 8	37300 40600 10	40000 45269 13	42000 46750 4	46000 50500 2			39796 49
TEACHING, RESRCH	0 0 0	14800 14800 1	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	23100 25550 2	0 0 0	0 0 0			21967 3
MKT, SALE, PUR, TCH	0 0 0	22000 22425 4	22000 22700 4	32000 32000 2	28000 39250 4	24900 25967 3	32000 36420 10	38000 45640 5	42000 44517 6	0 0 0			35234 38
PRD, QUAL CONTROL	19000 19000 1	18900 19100 2	22200 22200 1	28000 32500 2	0 0 0	31000 33500 2	25000 30933 6	38000 39333 3	20000 20000 1	0 0 0			29722 18
DATA PROCESSING	21300 21300 1	0 0 0	0 0 0	0 0 0	32000 32000 1	0 0 0	0 0 0	50500 50500 1	0 0 0	0 0 0			34600 3
CONSULTING	0 0 0	20000 20000 1	24000 24000 1	28000 28000 1	35000 37500 2	40000 40000 1	30000 36125 4	48000 38833 3	40000 40000 1	20000 20000 1			33867 15
OTHER	0 0 0	18800 18800 1	26400 26400 1	0 0 0	0 0 0	31800 31800 1	32500 35300 4	33000 36133 3	43500 43967 3	21900 21900 1			34314 14
COLUMN MEAN COUNT	20188 8	20535 20	23250 22	27984 25	36256 18	32997 31	36095 64	42571 49	40918 28	36267 6			34015 271

TABLE D-87

SALARIES OF CHEMICAL ENGINEERS

BY WORK FUNCTION AND EXPERIENCE - DOCTOR'S DEGREE

WORK FUNCTION	YEARS OF PROFESSIONAL EXPERIENCE										ROW TOTAL
	1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE	
R&D MGMT, ADMINIS	0 0 0	0 0 0	3000. 3044. 5	3700. 4038. 17	3700. 4015. 13	4750. 4868. 15	4300. 5072. 13	4800. 4500. 7	0. 0. 0	0. 0. 0	43791. 70
BASIC RESEARCH	0 0 0	2390. 2263. 3	2700. 2700. 1	0. 0. 0	4220. 4220. 1	3200. 3605. 2	3450. 3450. 1	0. 0. 0	43700. 43700. 1	0. 0. 0	31933. 9
APPLIED R&D	2200. 2550. 2	2450. 2497. 22	2550. 2689. 22	3100. 3192. 22	3200. 3236. 19	3500. 3626. 18	35000. 35247. 15	31800. 33100. 4	28000. 27667. 3	0. 0. 0	30640. 127
GEN MGMT, ADMINIS	0 0 0	0. 0. 0	34000. 34500. 2	43000. 43000. 3	38200. 41300. 4	53000. 51375. 4	50000. 60050. 8	34000. 39375. 4	66000. 85260. 5	0. 0. 0	54430. 30
TEACHING, RESRCH	18000. 18000. 1	16700. 16967. 3	20100. 20933. 12	27200. 25839. 18	25000. 27845. 11	27000. 27230. 10	30000. 32339. 9	31700. 32783. 6	28000. 32167. 6	29500. 29500. 1	26935. 77
MKT, SALE, PUR, TCH	0 0 0	0. 0. 0	0. 0. 0	35400. 35400. 1	0. 0. 0	37400. 37400. 1	49000. 59500. 2	33000. 33000. 1	20000. 20000. 1	0. 0. 0	40800. 6
PRD, QUAL CONTROL	0 0 0	2350. 2550. 1	25000. 25000. 1	0. 0. 0	0. 0. 0	0. 0. 0	34000. 39500. 2	0. 0. 0	0. 0. 0	0. 0. 0	31875. 4
WRITE, ABST, LIBRY	0 0 0	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	50000. 50000. 1	0. 0. 0	50000. 1
DATA PROCESSING	0 0 0	0. 0. 0	0. 0. 0	27000. 27000. 1	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	0. 0. 0	27000. 1
CONSULTING	0 0 0	19000. 19000. 1	24000. 27450. 2	33000. 35000. 3	36600. 37200. 8	0. 0. 0	30000. 30750. 2	0. 0. 0	53000. 53000. 1	50000. 50000. 1	35611. 18
OTHER	0 0 0	0. 0. 0	0. 0. 0	25200. 25200. 1	26000. 32250. 2	50400. 50400. 1	26000. 28150. 2	0. 0. 0	29500. 29500. 1	0. 0. 0	32271. 7
COLUMN MEAN COUNT	21667. 3	23617. 30	26020. 45	32833. 66	34702. 58	39622. 51	42774. 54	37936. 22	47289. 19	39750. 2	35049. 50

TABLE E-1

1977 INCOME OF CHEMISTS

BY DEGREE AND EXPERIENCE

HIGHEST DEGREE EARNED	PCTILE	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	ALL EXPR LEVI
		1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE		
BACHLORS	10	7900.	10000.	13000.	15000.	18000.	18300.	18900.	18600.	20900.	21500.	13000.	
	25	10000.	11700.	15000.	17900.	21000.	22500.	23000.	24000.	25000.	25000.	16800.	
	50	12000.	14000.	17300.	20700.	24500.	27000.	27000.	28800.	30000.	31000.	22500.	
	75	13500.	15000.	19800.	24300.	28600.	32000.	33000.	35000.	38500.	42000.	29000.	
	90	15500.	17600.	22500.	29900.	35000.	37000.	41500.	46000.	55000.	59636.	37500.	
	MEAN	11896.	13732.	17781.	21326.	25927.	28774.	29617.	31914.	36364.	39636.	24867.	
	COUNT	48	319	337	257	227	234	380	237	181	50	2310.	
	STD DEV	3773.	3236.	6559.	5908.	8618.	11815.	11587.	18787.	25871.	34319.	14989.	
MASTERS	10	9800.	10800.	13400.	16700.	16500.	19000.	20502.	23000.	20000.	24000.	15000.	
	25	13000.	13500.	16000.	19700.	21000.	23000.	25000.	27000.	26000.	27500.	18900.	
	50	15000.	15600.	19000.	23000.	25000.	28000.	30000.	31000.	30000.	32000.	24500.	
	75	17200.	18000.	22000.	27000.	30300.	34000.	35000.	36900.	38800.	42000.	30800.	
	90	18000.	20000.	25600.	32000.	36000.	40100.	45000.	48700.	49400.	53000.	39500.	
	MEAN	16960.	15716.	19326.	23860.	25976.	29242.	31811.	33651.	33617.	41834.	26416.	
	COUNT	30	131	280	237	189	197	269	142	116	32	26416.	
	STD DEV	12347.	4019.	4799.	7571.	8669.	10303.	12264.	11962.	19142.	31738.	12640.	
DOCTORS	10	10600.	14000.	16000.	19000.	20000.	22000.	23300.	25000.	25000.	26200.	18000.	
	25	14000.	16500.	19000.	23000.	25000.	27000.	29000.	29500.	33600.	33600.	22000.	
	50	20000.	20700.	24500.	30000.	32000.	33000.	36000.	37300.	40000.	40000.	28000.	
	75	22000.	23000.	27500.	33400.	39000.	40000.	45000.	45000.	49000.	50000.	36000.	
	90	22500.	25000.	31000.	38000.	43000.	48000.	54000.	60000.	62000.	63100.	45000.	
	MEAN	17947.	20153.	23683.	28557.	31645.	35535.	38547.	41103.	43074.	50090.	30834.	
	COUNT	51	451	992	891	689	636	540	416	215	49	4830.	
	STD DEV	5352.	6927.	6430.	8508.	14657.	15302.	17583.	23256.	16745.	59772.	16018.	
COLUMN	MEAN	15466.	17236.	21689.	26417.	29377.	32891.	34215.	36447.	38560.	44033.	28443.	
	COUNT	129	901	1609	1385	1145	1067	1189	693	512	151	8763.	
	STD DEV	7662.	6243.	6715.	8462.	12915.	14137.	15298.	20324.	21248.	45008.	15410.	

TABLE E-2

1977 INCOME OF CHEMISTS

BY EMPLOYER AND EXPERIENCE - BACHELOR'S DEGREE

EMPLOYER	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	ROW TOTAL
	1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE		
MANUFACTURING	12500. 12438. 26	14700. 14568. 209	17600. 18415. 225	21500. 22338. 175	25200. 26493. 188	28000. 29488. 169	27400. 30177. 287	29000. 32437. 179	30300. 37090. 129	31000. 40924. 41	25992. 1628	
NONMANUFACTURING	8800. 10050. 6	13500. 13083. 29	17300. 17594. 32	18500. 19183. 18	22600. 28121. 14	23200. 26057. 14	27000. 29691. 22	27000. 27207. 15	28300. 43133. 21	36000. 42000. 4	24256. 175	
COLLEGE, UNIVRSITY	9500. 10900. 3	10000. 9350. 18	10600. 10860. 10	16000. 17350. 6	20000. 19867. 6	13500. 13900. 5	20000. 25972. 4	16000. 16580. 5	21000. 23600. 4	0. 0. 0	14485. 61	
HIGH SCH, OTHR SC	10000. 9650. 4	8100. 8925. 4	10500. 12417. 6	13000. 14000. 2	13000. 14150. 2	0. 0. 0	18000. 20500. 2	0. 0. 0	0. 0. 0	29000. 29000. 1	13100. 21	
FEDERAL GOVERNMT	15000. 16333. 3	13300. 13960. 15	16600. 18010. 21	23000. 22200. 15	24500. 24218. 34	28000. 29158. 24	27000. 29121. 33	28600. 30428. 18	29600. 31406. 18	23900. 28450. 2	25266. 183	
STATE, LOCL GOV	13600. 13600. 1	12000. 12715. 13	17000. 17829. 21	16800. 18381. 16	18500. 19789. 9	18500. 19557. 7	20000. 20800. 14	23800. 25300. 6	17600. 18200. 4	0. 0. 0	18442. 91	
SELF-EMPLOYED	10000. 10000. 1	12000. 13200. 2	16800. 25900. 2	19700. 23233. 3	40000. 42750. 4	30000. 57500. 4	30000. 44500. 4	39000. 66750. 4	33000. 32250. 4	12000. 12000. 1	39479. 29	
HOSPITAL, IND LAB	10400. 10400. 1	12000. 12064. 14	13300. 14727. 11	16000. 16300. 4	18500. 21750. 2	21000. 20600. 6	23000. 29000. 8	16900. 32983. 6	30000. 30000. 1	0. 0. 0	19500. 53	
NONPRFT RES INST	12000. 12000. 1	11500. 12338. 8	13900. 14963. 8	17000. 18064. 14	23000. 21100. 5	19000. 25750. 4	24000. 25040. 5	25000. 25667. 3	0. 0. 0	38000. 38000. 1	19020. 49	
OTHER	7000. 10500. 2	12000. 12086. 7	13500. 13500. 1	21600. 21775. 4	21000. 19867. 3	22000. 22000. 1	8000. 8000. 1	25000. 25000. 1	0. 0. 0	0. 0. 0	16040. 20	
COLUMN MEAN COUNT	11896. 48	13735. 319	17781. 337	21356. 257	25854. 267	28774. 234	29617. 380	31914. 237	36364. 181	39636. 50	24871. 2310	

TABLE E-3

1977 INCOME OF CHEMISTS

BY EMPLOYER AND EXPERIENCE - MASTER'S DEGREE

EMPLOYER	1 OR LESS	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	ROW TOTAL
		2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39				
MANUFACTURING	16000. 18126. 19	16600. 16703. 74	20000. 20321. 175	24000. 25291. 146	26000. 28329. 105	29900. 31716. 111	30000. 32818. 174	31600. 34890. 100	30000. 33658. 23	33000. 36523. 23	33000. 36523. 23	27991. 1006	
NONMANUFACTURING	13000. 12860. 5	16500. 16322. 9	20000. 20805. 20	23000. 24140. 10	28000. 26755. 11	22000. 23438. 8	30000. 35509. 17	30000. 33291. 11	33000. 51840. 10	40000. 52333. 3	40000. 52333. 3	28772. 104	
COLLEGE, UNIVRSITY	15600. 16050. 2	13500. 12729. 17	14800. 14892. 24	18200. 18188. 26	20400. 20950. 26	23200. 25379. 24	24000. 22700. 19	25000. 25243. 7	21000. 21456. 9	25900. 26950. 2	25900. 26950. 2	19792. 156	
HIGH SCH., OTHER SC	0. 0	10000. 10400. 4	14000. 13920. 15	20000. 18989. 13	18400. 18231. 13	21000. 20683. 12	22000. 23555. 11	23500. 23883. 3	16700. 22600. 2	0. 0	0. 0	18603. 73	
FEDERAL GOVERNMENT	0. 0	15000. 15046. 13	18700. 20147. 19	25000. 26039. 18	25100. 25339. 18	28700. 29671. 24	29000. 30754. 24	30500. 29700. 15	31000. 35525. 8	43700. 38567. 3	43700. 38567. 3	26752. 142	
STATE, LOCAL GOV	14500. 14500. 1	17000. 16760. 5	17500. 18254. 13	16400. 18417. 12	16500. 16875. 4	22200. 23080. 5	16500. 16550. 4	34000. 34000. 1	27000. 28000. 3	22200. 22200. 1	22200. 22200. 1	19304. 49	
SELF-EMPLOYED	0. 0	7400. 7400. 1	12000. 12000. 1	18000. 49000. 2	30000. 31000. 2	28000. 35667. 3	40000. 58000. 5	40000. 40000. 1	20000. 30000. 2	0. 0	0. 0	39788. 17	
HOSPITAL, IND LAB	0. 0	26000. 26000. 1	18000. 18360. 5	25000. 25033. 3	25000. 29480. 5	19300. 22120. 5	30000. 28667. 3	27100. 27100. 1	0. 0	0. 0	0. 0	24565. 23	
NONPRFT RES INST	15000. 15250. 2	12700. 14400. 5	13000. 16675. 4	21700. 21686. 7	23100. 24250. 4	24700. 25233. 3	30100. 31333. 12	42000. 42800. 3	18700. 18567. 3	0. 0	0. 0	24507. 43	
OTHER	23000. 23000. 1	15100. 16550. 2	17000. 20325. 4	0. 0	29000. 29000. 1	29600. 37300. 2	0. 0	0. 0	0. 0	0. 0	0. 0	24100. 10	
COLUMN MEAN COUNT	16960. 30	15716. 131	19326. 280	23860. 237	25976. 189	29242. 197	31811. 269	33651. 142	33617. 116	41834. 32	41834. 32	26419. 1623	

TABLE E-4

1977 INCOME OF CHEMISTS

BY EMPLOYER AND EXPERIENCE - DOCTOR'S DEGREE

EMPLOYER	YEARS OF PROFESSIONAL EXPERIENCE											40 OR MORE	ROW TOTAL
	1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39	40 OR MORE			
MANUFACTURING	2000. 18674. 35	2200. 2522. 232	2600. 26521. 468	3200. 32615. 411	3400. 36031. 283	3600. 40178. 280	38500. 43382. 247	41200. 49153. 141	43000. 46272. 108	47700. 59729. 28	34668. 2233		
NONMANUFACTURING	14500. 16633. 6	22000. 21269. 29	24600. 24959. 37	29100. 30247. 30	35000. 36953. 19	32000. 38959. 22	30000. 35940. 20	29300. 35517. 6	48000. 54514. 7	60000. 60000. 1	30962. 177		
COLLEGE, UNIVRSITY	12200. 11557. 7	15900. 15965. 127	18600. 19740. 342	23000. 23897. 354	26000. 26627. 289	29000. 30223. 233	30500. 33060. 185	31000. 33953. 123	38000. 38521. 71	35000. 35964. 11	26100. 1742		
HIGH SCH, OTHER SC	0. 0. 0	0. 0. 0	15200. 17600. 6	15000. 16000. 3	24000. 19353. 3	23200. 19933. 3	15300. 32650. 2	16800. 16800. 1	36000. 36000. 1	0. 0. 0	20500. 19		
FEDERAL GOVERNMENT	0. 0. 0	22000. 22200. 24	24600. 25136. 70	28800. 29007. 44	32500. 33253. 43	36000. 35679. 56	39000. 38622. 41	37000. 38388. 26	40000. 39441. 17	34000. 31433. 3	31923. 324		
STATE, LOCAL GOV	0. 0. 0	16000. 17000. 5	18300. 19125. 12	25000. 25800. 11	28700. 27800. 5	25500. 24440. 5	23000. 26375. 4	19900. 21200. 3	25000. 30750. 4	39000. 39000. 1	23812. 50		
SELF-EMPLOYED	34000. 34000. 1	0. 0. 0	8000. 16500. 2	36000. 34250. 4	65000. 77000. 5	20000. 26000. 4	28000. 50500. 7	30000. 30000. 1	45000. 46000. 5	50000. 50000. 1	40550. 30		
HOSPITAL, IND LAB	25000. 25000. 1	18900. 20563. 8	23000. 22848. 27	30000. 33622. 9	28000. 52943. 7	30000. 39125. 8	30000. 44000. 6	40000. 42000. 3	36000. 36000. 1	36000. 36000. 1	29744. 71		
NONPROFIT RES INST	0. 0. 0	19500. 18805. 21	23000. 23700. 24	25400. 24942. 19	27000. 28406. 34	32000. 33817. 23	35000. 36804. 23	38000. 37530. 10	65000. 65000. 1	31200. 35700. 3	28956. 158		
OTHER	22000. 22000. 1	18000. 17820. 5	24000. 23875. 4	19000. 25333. 6	24000. 24000. 1	30000. 38750. 2	52000. 48300. 5	22900. 29450. 2	0. 0. 0	0. 0. 0	29250. 26		
COLUMN MEAN COUNT	17947. 51	20153. 451	23685. 592	28558. 891	31677. 689	35536. 636	38648. 540	41103. 316	43074. 215	50090. 49	30838. 4830		

TABLE E-5

1977 INCOME OF CHEMISTS

BY WORK FUNCTION AND EXPERIENCE - BACHELOR'S DEGREE

WORK FUNCTION	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	ROW TOTAL
	1 OR LESS	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39			
R&D MGMT, ADMINIS	0 0 0	16000 16080 5	22000 21908 13	23300 24000 17	27800 27028 39	33000 35227 37	32000 34788 66	33500 35812 41	38000 40980 35	37500 39133 9	33135 262	
BASIC RESEARCH	9200 8483 6	11800 12511 45	15800 15108 24	19000 20280 10	21000 21333 18	20400 22758 12	26000 26840 10	24000 27267 6	24000 24613 8	26300 26300 1	17797 140	
APPLIED R&D	12000 12225 16	14800 14775 93	17300 17219 102	20700 21073 71	24300 24323 65	26000 26624 55	25000 26189 108	27900 27042 48	27600 29082 39	23800 26720 10	22068 607	
GEN MGMT, ADMINIS	10000 12500 2	15000 14800 14	18800 22012 33	26000 25195 21	29800 32900 38	33000 33055 33	29700 35270 63	35000 43509 43	36900 52681 36	40000 65100 10	35731 293	
TEACHING, RESRCH	10000 9650 4	8500 8700 9	10500 12417 6	13000 13380 5	15300 16375 4	11000 11000 1	23000 23333 3	13100 13100 1	21000 27000 2	29000 29000 1	14158 36	
MKT, SALE, PUR, TCH	0 0 0	13800 14529 14	20000 20683 23	23000 25100 32	28500 29132 25	30000 28993 29	28500 30785 46	32400 31858 31	33300 37011 28	30000 35500 7	28680 235	
PRD, QUAL CONTROL	15000 14644 9	14000 13630 78	16000 16914 70	19000 19602 48	23000 23560 42	24000 24541 34	24100 24979 43	22800 23252 33	24000 23331 16	38500 40650 4	19946 377	
FORENSIC, LAB ANL	13300 11983 6	12900 13193 41	15900 16743 46	17900 18248 29	23700 22216 19	22000 22360 10	23700 22773 22	22000 21585 13	21500 22167 6	25000 25000 1	18122 193	
WRITE, ABST, LIBRY	13000 13000 1	18700 18700 1	17900 18950 2	23000 20700 9	25500 23125 4	20800 23700 6	27000 25350 6	25000 24638 8	31200 31200 1	30000 30000 1	23103 39	
DATA PROCESSING	0 0 0	14000 15133 3	16600 17300 4	21100 21000 4	19400 24100 2	25000 25825 4	0 0 0	0 0 0	0 0 0	0 0 0	20594 17	
CONSULTING	0 0 0	13300 13567 3	17700 17100 5	16000 16000 1	25000 25000 1	31000 43357 7	10800 17400 2	30000 39833 3	12000 22500 2	35000 33000 5	28793 29	
OTHER	10000 11050 4	12000 12900 13	18000 18344 9	21000 22600 10	25000 25380 10	25000 23783 6	33000 35391 11	34000 39760 10	27600 30900 8	25000 25000 1	25132 82	
COLUMN MEAN COUNT	11896 48	13735 319	17781 337	21356 2257	25854 267	28774 234	29617 380	31914 237	36364 181	39636 50	24871 2310	

TABLE E-6

1977 INCOME OF CHEMISTS

BY WORK FUNCTION AND EXPERIENCE - MASTER'S DEGREE

WORK FUNCTION	1 OR LESS	YEARS OF PROFESSIONAL EXPERIENCE								40 OR MORE	ROW TOTAL
		2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39		
R&D MGMT, ADMINIS	0. 0	17500. 18050. 2	22000. 21863. 19	24700. 26336. 25	31000. 32448. 23	37000. 37154. 28	35000. 37452. 52	34000. 40225. 28	32500. 36967. 18	32000. 36973. 11	34186. 206
BASIC RESEARCH	15000. 14880. 5	15300. 15914. 14	17100. 16737. 27	21000. 21810. 21	22000. 21031. 16	25500. 25292. 13	25500. 27350. 24	27000. 26657. 7	26000. 30600. 4	43700. 39940. 5	22335. 136
APPLIED R&D	14500. 18598. 16	16500. 16364. 47	19000. 19076. 94	23800. 24285. 71	25000. 25422. 45	27700. 27706. 50	29400. 30223. 83	30000. 30551. 39	28600. 29014. 36	46000. 46000. 1	24695. 482
GEN MGMT, ADMINIS	23000. 23000. 1	18600. 19650. 4	21700. 22319. 26	28400. 29642. 26	36000. 36850. 10	31000. 35386. 14	32000. 38760. 20	41500. 44717. 18	39600. 49878. 18	74000. 112000. 2	36104. 139
TEACHING, RESRCH	15600. 15600. 1	12000. 12188. 17	14000. 14641. 29	18600. 18803. 37	19000. 19921. 59	22400. 24128. 32	24000. 23715. 26	23500. 24875. 8	21000. 22589. 9	25900. 25900. 1	19783. 199
MKT, SALE, PUR, TCH	0. 0	12900. 15425. 8	23000. 23188. 8	24500. 27821. 19	31100. 33972. 18	32000. 32113. 16	30400. 36310. 21	30000. 30741. 17	37700. 42740. 5	33000. 36500. 2	31005. 114
PRD, QUAL CONTROL	16500. 14633. 3	17300. 16507. 14	18500. 19917. 30	19400. 19588. 16	23000. 23425. 20	30000. 33450. 16	29000. 50139. 18	32200. 32056. 9	23800. 25229. 14	27000. 27500. 3	24170. 143
FORENSIC, LAB ANL	8000. 8000. 1	14200. 16421. 14	19600. 20814. 22	20000. 22071. 14	23500. 24300. 8	22000. 22492. 13	20700. 21257. 7	27000. 27125. 4	27000. 29000. 2	22200. 29450. 2	21446. 87
WRITE, ABST, LIBRY	17300. 17300. 1	12500. 13600. 2	18000. 18500. 2	19900. 20400. 3	18300. 19900. 6	22500. 20480. 5	22100. 22633. 3	23700. 30325. 4	18700. 25600. 4	23000. 23000. 1	21906. 31
DATA PROCESSING	0. 0	9200. 15100. 2	18800. 21375. 8	0. 0	29500. 32250. 2	22400. 22400. 1	0. 0	0. 0	37000. 37000. 1	0. 0	23221. 14
CONSULTING	16000. 16000. 1	17000. 15967. 3	18900. 19133. 3	42500. 42500. 1	22000. 22000. 1	0. 0	30300. 48383. 6	31000. 32100. 3	45000. 48400. 2	40000. 45000. 2	34509. 22
OTHER	14000. 14000. 1	11000. 13823. 4	19500. 19975. 12	22700. 23300. 4	57000. 57000. 1	30000. 30289. 9	28000. 26778. 9	29000. 26580. 5	27000. 35033. 3	24000. 54500. 2	26396. 50
COLUMN MEAN COUNT	16960. 30	15716. 131	19326. 280	23860. 237	25976. 189	29242. 197	31811. 269	33651. 142	33617. 116	41834. 32	26619. 1623

TABLE E-7

1977 INCOME OF CHEMISTS

BY WORK FUNCTION AND EXPERIENCE - DOCTOR'S DEGREE

WORK FUNCTION	1 OR LESS	YEARS OF PROFESSIONAL EXPERIENCE								40 OR MORE	ROW TOTAL
		2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39		
R&D MGMT, ADMINIS	25000. 25000. 1	23000. 24244. 16	29000. 29261. 105	34000. 34408. 151	38000. 39931. 123	41000. 43685. 133	44000. 47651. 124	46000. 51263. 72	47000. 49528. 58	49000. 47929. 17	40862. 800
BASIC RESEARCH	13000. 14900. 12	20900. 19550. 105	24000. 23144. 189	28700. 28553. 108	30000. 30575. 87	33000. 34398. 82	34400. 35357. 53	40000. 41531. 29	35000. 38589. 17	42000. 37960. 5	27794. 687
APPLIED R&D	20000. 19019. 27	21800. 21461. 188	25000. 24968. 289	30000. 29982. 210	30000. 33308. 154	32700. 33150. 129	33000. 33078. 110	33800. 35469. 54	34900. 36650. 40	34000. 33978. 9	28753. 1210
GEN MGMT, ADMINIS	0. 0. 0	22600. 22540. 5	29000. 29857. 29	31200. 33244. 48	31600. 34297. 34	39000. 49424. 50	45000. 51941. 58	38000. 64215. 26	45000. 53593. 28	39000. 147025. 4	46041. 282
TEACHING, RESRCH	12500. 15040. 5	16000. 16165. 102	18600. 19504. 294	22000. 23438. 309	26000. 26134. 247	27200. 29420. 194	30000. 32019. 152	30000. 32581. 106	37000. 37858. 52	32000. 34375. 8	25478. 1469
MKT, SALE, PUR, TCH	0. 0. 0	22000. 22000. 8	26600. 29267. 24	33700. 36794. 16	30000. 37950. 8	38500. 41213. 8	38500. 41775. 8	38000. 40307. 7	40000. 39178. 9	30900. 45450. 2	35113. 90
PRD, QUAL CONTROL	17000. 19750. 2	19200. 29483. 12	24000. 24016. 19	30000. 28192. 13	30000. 33450. 10	30000. 31573. 11	25000. 25600. 3	37000. 36750. 2	25000. 29000. 2	33000. 33000. 1	28576. 75
FORENSIC, LAB ANL	14000. 14000. 1	18500. 18850. 6	25000. 23300. 21	24500. 28444. 16	30000. 29250. 4	25500. 25429. 7	28000. 39000. 6	19900. 27200. 5	24800. 32400. 2	0. 0.	26490. 68
WRITE, ABST, LIBRY	0. 0. 0	21900. 23600. 2	31000. 30367. 3	22800. 21660. 5	23000. 23500. 5	25000. 28283. 6	29000. 31200. 5	29000. 33580. 5	35800. 35800. 1	64000. 64000. 1	25015. 33
DATA PROCESSING	21300. 21300. 1	20000. 19467. 3	18200. 22375. 4	26600. 26600. 1	18000. 21750. 2	18400. 22450. 2	34900. 39450. 2	35000. 35000. 1	30000. 30000. 1	0. 0.	25182. 17
CONSULTING	0. 0. 0	25000. 25500. 2	0. 0. 0	36000. 32333. 3	40000. 48750. 4	33800. 38060. 5	28800. 30883. 6	43000. 44767. 6	50000. 45333. 3	43000. 43000. 1	38873. 30
OTHER	14000. 24000. 2	22800. 26400. 2	25000. 26880. 15	35000. 35436. 11	29000. 35635. 11	27000. 28378. 9	37000. 38777. 13	29000. 29233. 3	30000. 60000. 2	50000. 50000. 1	33380. 69
COLUMN MEAN COUNT	17947. 51	20153. 451	23685. 992	28558. 891	31677. 689	35536. 636	38648. 540	41103. 316	43074. 215	50090. 49	30838. 4830

TABLE E-8

1977 INCOME OF CHEMICAL ENGINEERS

BY DEGREE AND EXPERIENCE

HIGHEST DEGREE EARNED	PCTILE	YEARS OF PROFESSIONAL EXPERIENCE										40 OR MORE	ALL EXPR LEVEL	
		1 OR LESS	2 - 4	5 - 9	10-14	15-19	20-24	25-29	30-34	35-39				
BACHLORS	101	5800.	13200.	16000.	18700.	21000.	21300.	24700.	23000.	24600.	24000.	24000.	24000.	20000.
	75	11000.	14600.	17800.	20000.	21500.	24300.	30000.	27000.	28500.	28000.	28000.	25000.	
	50	13500.	18000.	19500.	24000.	30000.	32000.	34000.	32000.	33000.	36000.	36000.	32000.	
	25	14000.	20300.	22000.	28500.	40000.	40000.	40000.	43500.	41100.	48000.	48000.	48000.	
	MEAN COUNT	17500.	27300.	26000.	30600.	50000.	44000.	50000.	50000.	50000.	75000.	50000.	50000.	40000.
MASTERS	101	12360.	19300.	20409.	24313.	41908.	30762.	38088.	37167.	46662.	37636.	45521.	36627.	
	75	4339.	6019.	3776.	5089.	49215.	8598.	19407.	17448.	45521.	18542.	45521.	34977.	
	50	18000.	14100.	20100.	21100.	28000.	20000.	25000.	26000.	26000.	20000.	26000.	20800.	
	25	18100.	17700.	21000.	25000.	29000.	29500.	28000.	32000.	32000.	20800.	38000.	25030.	
	MEAN COUNT	21300.	22000.	24000.	32000.	45000.	40000.	45000.	42000.	48000.	46000.	48000.	44000.	
DOCTORS	101	21350.	19785.	22891.	28372.	37188.	48379.	58929.	73000.	64000.	66000.	64000.	54000.	
	75	4691.	3528.	2874.	5458.	10785.	8987.	13040.	21886.	15170.	17874.	15874.	36129.	
	50	20000.	18000.	23000.	25000.	27000.	30000.	30300.	31700.	20000.	32000.	23920.	28000.	
	25	20000.	21000.	24500.	29900.	29500.	32000.	34000.	33400.	27000.	32000.	32000.	28000.	
	MEAN COUNT	25000.	28600.	30000.	41000.	42000.	50000.	50000.	49000.	58000.	55000.	52000.	42500.	
COLUMN	101	22500.	30138.	27763.	35565.	37364.	42508.	48453.	43857.	120000.	35000.	57000.	50000.	
	75	3536.	38225.	5313.	9994.	11150.	14072.	24457.	16052.	57911.	43500.	58201.	39202.	
	50	17473.	24286.	24623.	32245.	38504.	36147.	41083.	41160.	47499.	38405.	47499.	37373.	
	25	6286.	26067.	5436.	9560.	26440.	12287.	19646.	19169.	43270.	17254.	43270.	24268.	
	MEAN COUNT	22500.	30138.	27763.	35565.	37364.	42508.	48453.	43857.	120000.	35000.	57000.	50000.	
STD DEV	2	29	43	65	58	51	64	64	49	28	6	19	345	

TECHNICAL NOTES

The survey population was those ACS members who had U. S. mailing addresses, had birth dates of 1914 or later, and had neither student nor emeritus membership. On late February, questionnaires were sent by bulk mail to a systematic sample of one-fourth of the population. The number of questionnaires sent out was 20,242. By April 28, the cut off date, usable returned questionnaires numbered 11,060 (54.6%) including those partially completed questionnaires that contained usable information.

The responses underwent a clerical edit, which in some cases involved inserting an inferred reply to an unanswered question on the basis of answers to other questions. A facsimile of the questionnaire is included at the end of the report.

Definitions

Some of the concepts used in this report cannot be given simple and self-explanatory names, but reference to the survey questionnaire (page 142) will be enough to make clear most of the terms appearing in the tables. Some terms requiring special comment are defined below.

Salary and income tables contain information concerning full-time employed chemists and chemical engineers (except postdoctoral fellows).

A chemist is (1) a respondent who declared a chemical work specialty (including biochemistry), or (2) a respondent who declared a nonchemical work specialty but whose highest degree is in chemistry. Thus, a respondent who declared a non-chemical work specialty (such as management or administration) is included among chemists if the highest degree is in chemistry, but not if the highest degree is in a non-chemical discipline.

A chemical engineer is a person employed in chemical engineering or one who did not declare a chemical specialty but whose highest degree is in chemical engineering.

This report presents basic yearly salaries of the respondents at the time of the survey, which was early spring 1978. Teachers, however, presumably report basic salary for the academic year, rather than the calendar year. Also, the self-employed usually

report estimated income or an imputed salary plus earnings. Income is 1977 actual professional income.

The word age is used in a sense somewhat different from that in ordinary usage. Respondents provided their year of birth. Subtracting that year from 1978 gives age as of December 31, 1978, but the survey date was March 1, when only about one-sixth of the respondents had had their 1978 birthdays. This procedure causes Tables A-2, A-3, A-10, B-5 and C-5, to have some individuals fall in older age groups than they would if age were taken as age at the most recent birthday.

Members are assigned to geographic regions according to place of residence, not place of work.

Characteristics of Respondents

The 1975 report included a detailed comparison of the characteristics of survey respondents with the ACS membership records. It is not necessary to repeat that discussion except to say that the respondents seem to represent a cross section of the target population. Tables of the characteristics of survey respondents are presented in Tables A-1 through A-17 of this report.

Proportions

The proportion of people falling within a certain cell in one of the tables is a sample proportion. The sample proportion is used to make statements about the corresponding population proportion, but, of course, the sample proportion generally is not exactly equal to the population proportion. Another useful type of estimate is the confidence interval. Such an interval estimate is illustrated in the following statement: We assert with 95% confidence that the population proportion is between 0.04 and 0.06. A simple but adequate formula for a confidence interval centered on the sample proportion is

$$p^* = p \pm z [p(1-p)/n]^{\frac{1}{2}}$$

- where p^* = the population proportion
 p = the sample proportion
 z = a function of the level of confidence
and is found in a table of the standard normal distribution
 n = the sample size

Inspection of the formula shows that the width of the confidence interval is inversely proportional to the square root of the sample size, so that proportions derived from

small samples are not so precise as ones drawn from large samples. Also, if non-respondents differ from respondents with regard to the characteristic under consideration, the formula will overstate precision because the formula is based on an assumption of 100% response.

Suppose a confidence interval is required for a group containing 1900 sample members. If the sample contains 95 persons with a specific characteristic, then the numbers that go into the formula are $p = 95/1900 = 0.05$ and $n = 1900$. For a 95% confidence interval, z is about 2. Putting these numbers into the formula above we have

$$\begin{aligned} p^* &= p \pm z[p(1-p)/n]^{\frac{1}{2}} \\ &= 0.05 \pm 2[0.05(0.95)/1900]^{\frac{1}{2}} \\ &= 0.05 \pm 0.01 \end{aligned}$$

Thus, a 95% confidence interval for p^* is from 4.0% to 6.0%. Although we cannot say that the population proportion is exactly 5.0%, we can be confident that it is between 4.0% and 6.0%. The 95% level of confidence means roughly that if this procedure were followed a large number of times, the population proportion would be within the calculated interval about 95% of the time.

Small Cells

If the number of individuals in a cell is very small, it is perilous to hold faith in the figures presented in salary and income tables. The danger is somewhat less for cells of intermediate size.

Standard Deviations

Some of the salary and income tables contain the mean and the standard deviation along with certain percentiles. The standard deviation is presented for the benefit of readers who want to estimate the dispersion of the data summarized in the tables. Techniques for making such estimates appear in introductory textbooks on statistics.

Percentiles

The formula used for calculating percentiles requires some explanation. If the number of individuals in a cell is an odd number, the middle one is the fiftieth percentile. But if the number of individuals is an even number, a difficulty arises because the formula employed does not allow for interpolation--the smaller of the two middle ones is taken as the fiftieth percentile. Likewise if the tenth, twenty-fifth, seventy-fifth, or ninetieth percentile falls between two sample values, the smaller value is presented. On the other hand, if the number of data points is so small that a percentile falls outside the range of the sample values, then the nearest sample value is presented. An extreme example of the shortcoming of this method occurs when a cell contains three individuals. The smallest of the three is listed as the tenth and the twenty-fifth percentiles, the middle one as the fiftieth and seventy-fifth, and the largest as the ninetieth. Of course, no one should take seriously the percentiles of such a small cell. In large cells, interpolation would make little difference.

GEOGRAPHIC REGIONS

PACIFIC

WASHINGTON
OREGON
CALIFORNIA
ALASKA
HAWAII

MOUNTAIN

MONTANA
IDAHO
WYOMING
NEVADA
UTAH
COLORADO
ARIZONA
NEW MEXICO

WEST NORTH CENTRAL

NORTH DAKOTA
MINNESOTA
SOUTH DAKOTA
IOWA
NEBRASKA
KANSAS
MISSOURI

WEST SOUTH CENTRAL

OKLAHOMA
ARKANSAS
TEXAS
LOUISIANA

EAST NORTH CENTRAL

WISCONSIN
MICHIGAN
ILLINOIS
INDIANA
OHIO

EAST SOUTH CENTRAL

KENTUCKY
TENNESSEE
MISSISSIPPI
ALABAMA

MIDDLE ATLANTIC

NEW YORK
PENNSYLVANIA
NEW JERSEY

SOUTH ATLANTIC

DELAWARE
MARYLAND
WEST VIRGINIA
DISTRICT OF COLUMBIA
VIRGINIA
NORTH CAROLINA
SOUTH CAROLINA
GEORGIA
FLORIDA

NEW ENGLAND

MAINE
NEW HAMPSHIRE
VERMONT
MASSACHUSETTS
CONNECTICUT
RHODE ISLAND

