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REPORT of
CHEMISTS' SALARIES
and EMPLOYMENT STATUS

Based on the 1975 Salary
and Employment Status Survey
of ACS Members

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

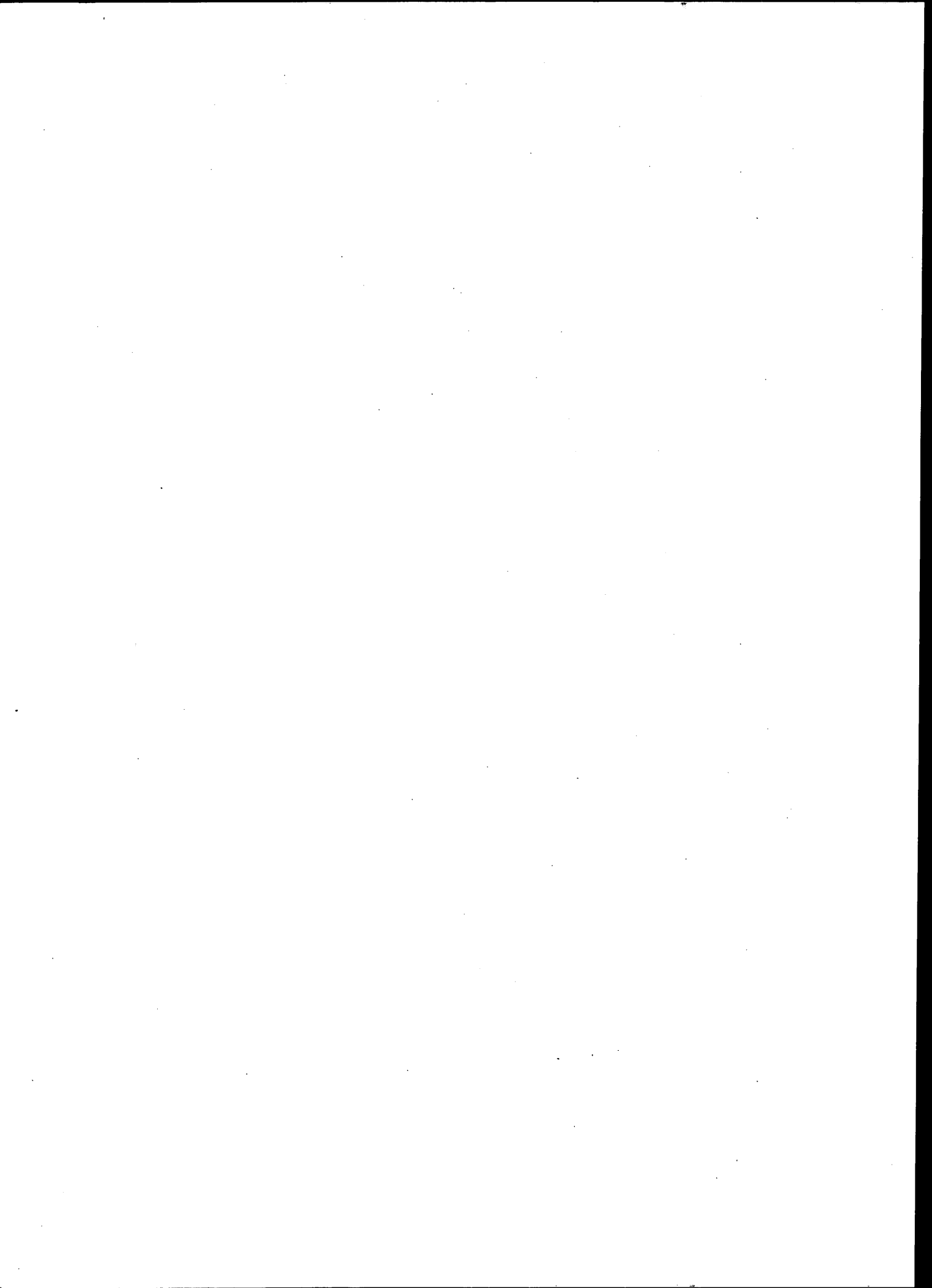


1975 REPORT
OF CHEMISTS' SALARIES
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This report has been prepared as a service of the
Department of Professional Relations and Manpower
Studies, American Chemical Society.

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PREFACE

The annual comprehensive survey of the members of the American Chemical Society was initiated in 1941. Although its content and coverage are subject to modification over time as new questions of importance to the members arise, a constant (and largely successful) effort is maintained to keep the survey questionnaire (and the results) comparable from year to year.

The 1975 survey was carried out and the report was completed by the staff of the Office of Manpower Studies in the Department of Professional Relations and Manpower Studies of the ACS. The work was done under the auspices of the ACS Council Committee on Economic Status, chaired by Dr. Madeleine M. Joullie, and that Committee's Subcommittee on Surveys, headed by Dr. Alan L. McClelland. Responsible for the survey and the report are Dr. Panagis A. Benetatos, and Ms. Maria Frizat, who were assisted by Ms. Connie Bledsoe. Computer programming and production were handled by Mr. Dennis Larson, Programmer, and Frank Ford, Production Manager for the ACS systems.

INTRODUCTORY REMARKS

The 1975 survey questionnaires were mailed in late February to approximately 18,800 male members (1/4 of the domestic ACS membership, excluding members with student or emeritus status and those over 64 years of age) and to approximately 6,300 female members (100% of the domestic employable membership). By the end of April, some 13,700 had been returned (54.6% response).

For the purpose of this report, only 1/4 of the female responses were used to obtain correct weighting and comparability with previous years. A more detailed analysis of salaries and employment of women is being prepared by this office.

As in previous years, only the salaries and incomes reported by those employed full-time were used for the calculations. We have included some special tables describing the economic status of the responding members who hold postdoctoral appointments, also of those who classified their full-time employment as subprofessional, and those self-employed.

Separate analyses were done, as usual, for chemists and chemical engineers. All of the tables present the data by degree level and most of them by years of experience.

This year we include arithmetic means as well as the medians, in order to enhance the descriptive value of the report while maintaining continuity and comparability of the results with those of previous years.

We have prepared two sets of salary and income tables. The first set (Tables I-1 through I-9) is similar in content to the ones published in previous years. The second set (Tables II-1 through II-10) is based on a stricter definition of chemists and chemical engineers (see Technical Notes for definitions).

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TECHNICAL NOTES

General Remarks

The ACS membership includes certain professionals who are neither chemists nor chemical engineers. For the purposes of this report, operational definitions had to be given, as described below. The many terms used in this survey are not always well defined. We urge the reader to make frequent references to the survey questionnaire (page 61). In what follows we will define and interpret the most important terms. Several individuals have requested clarifications, and we have tried to satisfy here the requests that are likely to be of general interest.

Definitions

All tables refer to salaries or incomes of chemists or chemical engineers employed full-time. Thus, the salaries of the postdoctoral fellows, the part-time or temporarily employed, and the retired have not been included in the calculations from which the tables were derived. We defined the chemists as follows: All those declaring a chemical work specialty are included. Also included as chemists are those who declare a nonchemical work specialty, but declare a chemical specialty in their highest degree. Thus, the members who declare a nonchemical specialty (e.g., managers and administrators) are included if their highest degree was in chemistry. But certain members who have enough chemistry courses to qualify for membership (such as M.D.'s) but neither have a degree in chemistry nor do they declare a chemical work specialty, are excluded. Biochemistry is considered a chemical specialty.

The chemical engineers are those who declare chemical engineering as their work specialty and those who do not declare a chemical specialty but have earned their highest degree in chemical engineering.

This report presents basic yearly salaries of the respondents at the time of the response, which is early spring, 1975. However, the teachers report basic salary presumably for the academic rather than the calendar year. Also, the self-employed usually report income or a combination of an imputed salary plus or minus earnings. Separate tables have been computed for the numbers in these two groups.

Abbreviations and Symbols

na = not available
AM = arithmetic mean
SD = standard deviation
= number of respondents

SELECTED CHARACTERISTICS OF THE SURVEY RESPONDENTS

We present in summary form some characteristics of the respondents, and when feasible we make comparisons with the characteristics of the ACS domestic membership. Strict comparison is not possible because some categories have not been included in the sample.

Table 1

PERCENTAGE DISTRIBUTION BY SEX

of Respondents and ACS Members

	<u>Survey Respondents</u>	<u>ACS Domestic Members</u>
Men	92.0	91.7
Women	<u>8.0</u>	<u>8.3</u>
Total	100.0	100.0

The sex distributions (Table 1) are very similar while slight discrepancies are present in the age distribution (Table 2). The first two age brackets are underrepresented in the survey, and this is probably due to the intentional exclusion of student members from the survey.

Table 2

PERCENTAGE DISTRIBUTION BY AGE

of Respondents and ACS Members

<u>Age Bracket</u>	<u>Survey Respondents</u>	<u>ACS Domestic Members</u>
20-24	1.1	2.3
25-29	7.4	10.0
30-34	17.0	15.1
35-39	15.2	14.0
40-44	12.8	12.2
45-49	14.1	13.6
50-54	13.3	13.6
55-59	11.9	11.4
60-64	<u>7.2</u>	<u>7.7</u>
Total	100.0	100.0

The discrepancies in the distributions by degree level are very large. The degree distribution of the membership obtained from the records understates the higher degrees. Many records contain the degree information at the time of the member's application, and the update of the files, when done, involves some time lag.

Table 3

PERCENTAGE DISTRIBUTION BY DEGREE LEVEL

of Respondents and ACS Members

<u>Degree Level</u>	<u>Survey Respondents</u>	<u>ACS Domestic Members</u>
Less than B.S.	.5	.2
B.S. or B.A.	28.4	35.8
M.S. or M.A.	19.8	17.0
Doctor's	51.3	40.4
Other Degree	<u>na</u>	<u>6.6</u>
Total	100.0	100.0

na = not applicable

Another source of discrepancy is the "other degree" category in the ACS records. We assume that most of those are advanced degrees such as M.D.'s and J.D.'s. These are lumped together with the Ph.D.'s in this survey while they constitute a distinct group in the membership record.¹ An alternative explanation offered for the large number of Ph.D.'s among the respondents is that they respond to questionnaires at a higher rate than the bachelor's. There is no quantitative evidence to substantiate this argument, but in view of the persistence of this phenomenon over the years, it may have some merit.

The distribution of the respondents by region is consistent with that of the membership, except for the Middle Atlantic region which is underrepresented in the survey responses. There is no explanation available for this discrepancy.

¹One of the purposes of the strict definition of chemists and chemical engineers used for the construction of the salary tables was to avoid possibly distorting the figures by including nonchemists' (such as M.D.'s) salaries.

Table 4

PERCENTAGE DISTRIBUTION BY GEOGRAPHIC REGION OF RESIDENCE
of Respondents and ACS Members

<u>Geographic Region¹</u>	<u>Survey Respondents</u>	<u>ACS Domestic Members</u>
Pacific	10.8	10.9
Mountain	3.5	3.3
West North Central	6.2	5.3
West South Central	7.5	7.0
East North Central	22.2	20.2
East South Central	3.8	3.6
Middle Atlantic	21.7	26.5
South Atlantic	17.0	15.8
New England	<u>7.3</u>	<u>7.5</u>
Total	100.0	100.0

The distribution of the respondents by employer cannot be easily compared with the membership record. It simply assures us that no great distortion has occurred in this respect. The membership record shows a higher concentration in the educational institutions than the survey because student members were excluded from the survey.

Table 5

PERCENTAGE DISTRIBUTION BY EMPLOYER CATEGORY
of Respondents and ACS Members

<u>Employer Category</u>	<u>Survey Respondents</u>	<u>ACS Domestic Members</u>
Manufacturing industry	53.1	54.4
Non-manufacturing industry	7.3	7.5
College, university	20.8	28.0
High school, other school	1.2	
Federal government	8.8	9.9
State, local government	2.7	
Self-employed	1.2	na
Hospital, laboratory	1.7	na
Other non-profit organization	3.0	na
Other	<u>0.2</u>	<u>0.2</u>
Total	100.0	100.0

na = not applicable. These categories are probably dispersed among the four categories covered in the ACS membership record.

¹See page 60 for states/regions distribution.

The tables that follow are presented in order to give a more detailed profile of the respondents. The membership record, unfortunately, does not contain comparable information.

Table 6

PERCENTAGE DISTRIBUTION OF RESPONDENTS BY CITIZENSHIP

<u>Citizenship</u>	<u>Survey Respondents</u>
U.S. Citizen	95.6
Permanent Resident	4.0
Other Visa	<u>0.4</u>
Total	100.0

Table 7

PERCENTAGE DISTRIBUTION OF RESPONDENTS BY MINORITY CLASSIFICATION

<u>Minority Group</u>	<u>Survey Respondents</u>
Black-Negro	1.0
American Indian	0.2
Oriental	3.4
Spanish-surnamed	0.6
Non-minority	92.4
No response	<u>2.4</u>
Total	100.0

Table 8

PERCENTAGE DISTRIBUTION OF RESPONDENTS BY WORK FUNCTION

in Present or Most Recent Employment

<u>Work Function</u>	<u>Survey Respondents</u>
R&D management or administration	13.9
Basic research	10.8
Applied R&D	27.6
General management or administration	9.7
Teaching, or teaching/research	17.9
Marketing, sales, purchasing, tech. serv.	5.0
Production, quality control	6.9
Forensic analysis, other lab. analysis	2.8
Writing, editing, abstracting, programming	1.9
Consulting	1.7
Other	<u>1.9</u>
Total	100.0

Table 9

POSTDOCTORAL RESPONDENTS BY CITIZENSHIP AND MINORITY CLASSIFICATION

<u>Minority Classification</u>	<u>No Response</u>	<u>U.S. Citizens</u>	<u>Non-U.S. Citizen</u>		<u>Total</u>
			<u>Permanent Resident</u>	<u>Other Visa</u>	
Black-Negro	0	2	0	0	2
American Indian	0	1	0	0	1
Oriental	0	2	23	10	35
Spanish-surnamed	0	2	0	0	2
Non-minority	2	142	14	15	173
No Response	<u>0</u>	<u>4</u>	<u>1</u>	<u>0</u>	<u>5</u>
Total	2	153	38	25	218

TABLE 10

POSTDOCTORAL RESPONDENTS BY WORK SPECIALTY

<u>Work Specialty</u>	<u>Number</u>	<u>Percent</u>
Analytical	13	6.0
Inorganic	15	6.9
Organic	49	22.5
Polymer, Macromolecular	9	4.1
Physical, Theoretical	33	15.1
Biochemistry	65	29.8
Agricultural, Food	3	1.4
Pharmaceutical, Medicinal, Clinical	12	5.5
Chemical Engineering	2	0.9
Chemistry, Other	14	6.4
Nonchemical	<u>3</u>	<u>1.4</u>
Total	218	100.0

SUMMARY OF RESULTS

Employment Status

There has been little change in the employment status of ACS members between March 1, 1974 and March 1, 1975. The unemployment rate for 1975 is 1.6% compared with 1.4% in 1974. The percentage of those subprofessionally employed had a more substantial increase, from 1.0% in 1974 to 2.2% in 1975. We believe this was due more to the prominent place this category had in this year's questionnaire than to an actual increase in the number of those subprofessionally employed.

Table 11

EMPLOYMENT STATUS OF RESPONDENTS: 1971-1975

(Percentages)

<u>Employment Category</u>	<u>1971</u>	<u>1972</u>	<u>1973</u>	<u>1974</u>	<u>1975</u>
Full-time Employed	88.2	88.0	88.7	92.5	91.0
Subprofessionally Employed	2.5	2.8	2.0	1.0	2.2
Part-time or Temporarily Employed	2.3	1.5	1.3	1.0	1.3
Postdoctoral or Other Fellowship	1.6	2.0	2.9	2.4	2.0
Unemployed Seeking Employment	2.8	3.1	1.7	1.4	1.6
Retired Seeking Employment	2.6	0.4	0.4	0.3	0.4
Not Seeking Employment ¹		2.2	3.0	1.4	1.4

¹In 1974 and 1975 members over 64 years of age were not surveyed.

Members were asked whether or not they were unemployed and seeking employment at any time during the period March 1, 1974 to March 1, 1975. 4.8% of all respondents indicated some unemployment during this period.

Economic Status

Members were asked to state their present basic salary associated with their principal professional employment, excluding bonuses, overtime, summer teaching, or other payment for professional work. They were also asked to report their 1974 gross annual income from all professional activities. This is a departure from previous

years when members were asked to estimate their current year's income. With this year's change, it was verified that, as it might have been expected, the estimates given in 1974 deviated substantially from the actual 1974 incomes reported in 1975.

Table 12

1974 OVERALL MEDIAN INCOME OF CHEMISTS

(Estimated and Actual)

<u>Degree Level</u>	<u>Estimated</u> ¹	<u>Actual</u> ²	<u>Difference</u>
B.S.	\$18.0	\$19.0	5.6%
M.S.	19.0	19.9	4.7
Doctor's	22.5	23.0	2.2

¹Estimated in 1974.

²Reported in 1975.

Table 13

1974 OVERALL MEDIAN INCOME OF CHEMICAL ENGINEERS

(Estimated and Actual)

<u>Degree Level</u>	<u>Estimated</u> ¹	<u>Actual</u> ²	<u>Difference</u>
B.S.	\$22.0	\$24.5	11.4%
M.S.	23.3	25.0	7.3
Doctor's	26.0	27.0	3.8

¹Estimated in 1974.

²Reported in 1975.

Salaries of chemists increased 7.1% from 1974, which represents a greater increase than the 5.2% from 1973 to 1974.

Chemical engineers did better. This year's increase was 10% compared with only 4.9% the previous year.

Among both groups, the chemists and the chemical engineers, those with a B.S. degree got substantially higher pay raises than those with the Ph.D.

Table 14

PERCENTAGE CHANGE OF MEDIAN SALARIES OF CHEMISTS

<u>Degree Level</u>	<u>1972-73</u>	<u>1973-74</u>	<u>1974-75</u>
B.S.	7.7	4.2	8.6
M.S.	7.4	5.1	7.6
Doctor's	<u>6.8</u>	<u>5.9</u>	<u>6.0</u>
Weighted Average	7.2	5.2	7.1

Table 15

PERCENTAGE CHANGE OF MEDIAN SALARIES OF CHEMICAL ENGINEERS

<u>Degree Level</u>	<u>1972-73</u>	<u>1973-74</u>	<u>1974-75</u>
B.S.	na	5.4	12.7
M.S.	na	1.8	11.6
Doctor's	na	<u>7.4</u>	<u>4.8</u>
Weighted Average		4.9	10.0

TABLE E-1

EMPLOYMENT STATUS OF RESPONDENTS BY DEGREE LEVEL: 1975

10

Employment Category	Bachelor's	Master's	Doctor's	Less Than Bachelor's	Total
Full-time Employed	2,833	1,973	5,151	48	10,005
Column %	90.8	90.5	91.4	88.9	91.0
Subprofessionally Employed	108	63	72	3	246
Column %	3.5	2.9	1.3	5.6	2.2
Part-time Seeking Employment	11	22	46	0	79
Column %	0.4	1.0	0.8	0.0	0.7
Part-time Not Seeking Employment	17	24	26	1	68
Column %	0.5	1.1	0.5	1.9	0.6
Postdoctoral or Other Fellowship	1	3	218	0	222
Column %	0.0	0.1	3.9	0.0	2.0
Unemployed Seeking Employment	67	39	69	0	175
Column %	2.1	1.8	1.2	0.0	1.6
Unemployed Not Seeking Employment	26	16	13	0	55
Column %	0.8	0.7	0.2	0.0	0.5
Retired Seeking Full-time Employment	4	6	2	0	12
Column %	0.1	0.3	0.0	0.0	0.1
Retired Seeking Part-time Employment	12	6	11	0	29
Column %	0.4	0.3	0.2	0.0	0.3
Retired Not Seeking Employment	41	27	30	2	100
Column %	1.3	1.2	0.5	3.7	0.9
Total	3,120	2,179	5,638	54	10,991

TABLE E-2
EMPLOYMENT STATUS OF RESPONDENTS BY SEX: 1975

Employment Category	Men	Women	Total
Full time Employed	9,313	692	10,005
Column %	92.1	79.0	91.0
Subprofessionally Employed	219	27	246
Column %	2.2	3.1	2.2
Part-time Seeking Employment	56	23	79
Column %	0.6	2.6	0.7
Part-time Not Seeking Employment	37	31	68
Column %	0.4	3.5	0.6
Postdoctoral or Other Fellowship	200	22	222
Column %	2.0	2.5	2.0
Unemployed Seeking Employment	151	24	175
Column %	1.5	2.7	1.6
Unemployed Not Seeking Employment	6	49	55
Column %	0.0	5.6	0.5
Retired Seeking Full-time Employment	12	0	12
Column %	0.1	0	0.1
Retired Seeking Part-time Employment	29	0	29
Column %	0.3	0	0.3
Retired Not Seeking Employment	92	8	100
Column %	0.9	0.9	0.9
Total	10,115	876	10,991

TABLE E-3

EMPLOYMENT STATUS OF RESPONDENTS BY AGE BRACKETS: 1975

Employment Category	Age Bracket									Total
	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	
Full-time Employed	88	628	1,559	1,483	1,267	1,404	1,315	1,143	629	9,516
Column %	76.5	81.1	87.5	93.3	94.6	95.1	94.4	91.8	83.8	90.9
Subprofessionally Employed	14	29	39	33	19	18	35	27	19	233
Column %	12.2	3.7	2.2	2.1	1.4	1.2	2.5	2.2	2.5	2.2
Part-time or Temporarily Employed										
Seeking Employment	1	14	24	11	9	6	4	7	1	77
Column %	0.9	1.8	1.3	0.7	0.7	0.4	0.3	0.6	0.1	0.7
Part-time or Temporarily Employed										
Not Seeking Employment	2	8	8	8	8	4	4	11	10	63
Column %	1.7	1.0	0.4	0.5	0.6	0.3	0.3	0.9	1.3	0.6
Postdoctoral or Other Fellowship	1	69	109	27	8	3	2	0	0	219
Column %	0.9	8.9	6.2	1.7	0.6	0.2	0.1	0.0	0.0	2.1
Unemployed Seeking Employment	7	15	24	21	22	30	28	19	6	172
Column %	6.1	1.9	1.3	1.3	1.6	2.0	2.0	1.5	0.8	1.6
Unemployed Not Seeking Employment	2	10	18	6	7	6	1	3	1	54
Column %	1.7	1.3	1.0	0.4	0.5	0.4	0.1	0.2	0.1	0.5
Retired Seeking Full-time Employment	0	0	0	0	0	1	1	5	3	10
Column %	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.4	0.4	0.1
Retired Seeking Part-time Employment	0	0	0	0	0	0	0	6	22	28
Column %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	2.9	0.3
Retired Not Seeking Employment	0	1	0	0	0	4	3	24	60	92
Column %	0.0	0.1	0.0	0.0	0.0	0.3	0.2	1.9	8.0	0.9
Total	115	774	1,781	1,589	1,340	1,476	1,393	1,245	751	10,464

TABLE E-4

EMPLOYMENT STATUS OF RESPONDENTS BY WORK SPECIALTY: 1975

Employment Category	Analytical	In-organic	Organic	Polymer/ Macro- molecular	Physical/ Theo- retical	Bio- chemistry	Agri- cultural Food	Pharma/ Medicinal/ Clinical Engineering	Chemical	General Chem.	Other Chemistry	Non- chemical
Full-time Employed	1,440	396	1,345	1,072	551	740	400	562	982	774	1,144	554
Column %	93.0	91.2	91.9	95.1	90.9	86.9	92.0	93.2	94.2	89.2	89.9	81.4
Subprofessionally Employed	33	3	10	9	5	11	11	6	11	29	38	79
Column %	2.1	0.7	0.7	0.8	0.8	1.3	2.5	1.0	1.1	3.3	3.0	11.6
Part-time or Temporarily Employed Seeking Employment	10	8	15	3	3	9	0	1	2	14	4	10
Column %	0.6	1.8	1.0	0.3	0.5	1.1	0.0	0.2	0.2	1.6	0.3	1.5
Part-time or Temporarily Employed Not Seeking Employment	5	0	3	3	3	2	4	1	5	17	17	8
Column %	0.3	0.0	0.2	0.3	0.5	0.2	0.9	0.2	0.5	2.0	1.3	1.2
Postdoctoral or Other Fellowship	13	15	51	9	33	65	3	12	3	1	14	3
Column %	0.8	3.5	3.5	0.8	5.4	7.6	0.7	2.0	0.3	0.1	1.1	0.4
Unemployed Seeking Employment	25	8	21	20	8	15	4	12	13	12	25	9
Column %	1.6	1.8	1.4	1.8	1.3	1.8	0.9	2.0	1.2	1.4	2.0	1.3
Unemployed Not Seeking Employment	10	1	4	1	0	6	3	3	2	8	9	2
Column %	0.6	0.2	0.3	0.1	0.0	0.7	0.7	0.5	0.2	0.9	0.7	0.3
Retired Seeking Full-time Employment	4	0	1	0	1	0	1	0	2	0	1	2
Column %	0.3	0.0	0.1	0.0	0.2	0.0	0.2	0.0	0.2	0.0	0.1	0.3
Retired Seeking Part-time Employment	3	1	3	2	1	0	1	0	3	5	7	3
Column %	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.0	0.3	0.6	0.5	0.4
Retired Not Seeking Employment	6	2	10	8	1	4	8	6	19	8	14	11
Column %	0.4	0.5	0.7	0.7	0.2	0.5	1.8	1.0	1.8	0.9	1.1	1.6
Total	1,549	434	1,463	1,127	606	852	435	603	1,042	868	1,273	681

TABLE E-5

EMPLOYMENT STATUS OF ACS MEMBERS BY CITIZENSHIP: 1975

Employment Category	U.S. Citizens	Non-U.S. Citizens		All Responses
		Permanent Resident Visa	Other Visa	
Full-time Employed	9,616	354	14	9,984
Column %	91.6	83.1	31.8	91.0
Subprofessionally Employed	232	12	1	245
Column %	2.2	2.8	2.3	2.2
Part-time Seeking Employment	69	9	1	79
Column %	0.7	2.1	2.3	0.7
Part-time Not Seeking Employment	66	0	2	68
Column %	0.6	0.0	4.5	0.6
Postdoctoral or Other Fellowship	156	38	26	220
Column %	1.5	8.9	59.1	2.0
Unemployed Seeking Employment	167	8	0	175
Column %	1.6	1.9	0.0	1.6
Unemployed Not Seeking Employment	50	5	0	55
Column %	0.5	1.2	0.0	0.5
Retired Seeking Full-time Employment	12	0	0	12
Column %	0.1	0.0	0.0	0.1
Retired Seeking Part-time Employment	28	0	0	28
Column %	0.3	0.0	0.0	0.3
Retired Not Seeking Employment	100	0	0	100
Column %	1.0	0.0	0.0	0.9
Total	10,496	426	44	10,966
Total Percentage	100.0	100.0	100.0	100.0

25 of the respondents did not answer the question on citizenship.

UNEMPLOYED RESPONDENTS BY MOST RECENT EMPLOYER: 1975

Employer Category	Total Responses	Un-employed	% Un-employed
Private Industry or Business	6,619	118	1.8
Education	2,413	23	1.0
Government	1,268	8	0.6
Self-employed	128	5	3.9
Hospital/Laboratories/ Non-profit Organizations	511	15	2.9
Other	22	2	9.1
Total	10,961	171	

TABLE E-7

UNEMPLOYED RESPONDENTS BY MOST RECENT WORK FUNCTION: 1975

Work Function	Total Responses	Un-employed	% Un-employed
Management	2,587	30	1.2
Research and Development	4,192	73	1.7
Teaching	1,968	14	0.7
Marketing/Sales/Production/ Quality Control	1,307	35	2.7
Other	937	23	2.5
Total	10,991	175	

TABLE E-8

UNEMPLOYED RESPONDENTS BY GEOGRAPHIC REGION: 1975

Geographic Region	Total Responses	Un-employed	% Un-employed
Pacific	1,130	26	2.3
Mountain	366	5	1.4
West North Central	647	6	0.9
West South Central	780	12	1.5
East North Central	2,317	28	1.2
East South Central	402	6	1.5
Middle Atlantic	2,270	40	1.8
South Atlantic	1,780	25	1.4
New England	765	23	3.0
Total	10,457	171	

Note: See page 60 for states/regions distribution.

TABLE E-9

LENGTH OF UNEMPLOYMENT OF RESPONDENTS BY DEGREE LEVEL

(Those Unemployed at Any Time Between March 1, 1974, and March 1, 1974)

Length of Unemployment	Bachelor's	Master's	Doctor's	Less Than Bachelor's	Total
0 - 1 Month	34	27	30	0	91
Column %	18.3	20.8	14.5	0	17.4
1 - 2 Months	42	14	29	0	85
Column %	22.6	10.8	14.0	0	16.3
2 - 3 Months	25	19	22	0	66
Column %	13.4	14.6	10.6	0	12.6
3 - 6 Months	22	21	44	0	87
Column %	11.8	16.2	21.3	0	16.6
6 - 12 Months	38	29	43	0	110
Column %	20.4	22.3	20.8	0	21.0
12 or More Months	25	20	39	0	84
Column %	13.4	15.4	18.8	0	16.1
Total Unemployment	186	130	207	0	523
Total Responses	3,120	2,179	5,638	54	10,991
Unemployment at % of Total Responses	6.0	6.0	3.7	0	4.8

TABLE E-10

LENGTH OF UNEMPLOYMENT OF RESPONDENTS BY SEX

(Those Unemployed at Any Time Between March 1, 1974, and March 1, 1975)

Length of Unemployment	Men	Women	Total
0 - 1 Month	80	11	91
Column %	18.1	13.4	17.4
1 - 2 Months	75	10	85
Column %	17.0	12.2	16.3
2 - 3 Months	55	11	66
Column %	12.5	13.4	12.6
3 - 6 Months	74	13	87
Column %	16.8	15.9	16.6
6 - 12 Months	91	19	110
Column %	20.6	23.2	21.0
12 or More Months	66	18	84
Column %	15.0	22.0	16.1
Total Unemployment	441	82	523
Total Responses	10,115	876	10,991
Unemployment as % of Total Responses	4.4	9.4	4.8

TABLE E-11

LENGTH OF UNEMPLOYMENT OF RESPONDENTS BY AGE BRACKETS

(Those Unemployed Any Time Between March 1, 1974, and March 1, 1975)

18

Length of Unemployment	Age Bracket									Total
	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	
0 - 1 Month	7	18	17	10	9	14	8	4	0	87
Column %	28.0	21.2	19.5	14.3	17.3	24.6	13.3	9.5	0	17.2
1 - 2 Months	5	17	11	15	8	10	7	5	4	82
Column %	20.0	20.0	12.6	21.4	15.4	17.5	11.7	11.9	13.8	16.2
2 - 3 Months	7	16	11	9	8	3	5	1	4	64
Column %	28.0	18.8	12.6	12.9	15.4	5.3	8.3	2.4	13.8	12.6
3 - 6 Months	2	19	17	10	10	8	8	5	7	86
Column %	8.0	22.4	19.5	14.3	19.2	14.0	13.3	11.9	24.1	17.0
6 - 12 Months	3	12	23	15	9	14	14	12	4	106
Column %	12.0	14.1	26.4	21.4	17.3	24.6	23.3	28.6	13.8	20.9
12 or More Months	1	3	8	11	8	8	18	15	10	82
Column %	4.0	3.5	9.2	15.7	15.4	14.0	30.0	35.7	34.5	16.2
Total Unemployment	25	85	87	70	52	57	60	42	29	507
Total Responses	115	774	1,781	1,589	1,340	1,476	1,393	1,245	751	10,464
Unemployment as % of Total Responses	21.7	11.0	4.9	4.4	3.9	3.9	4.3	3.4	3.9	4.8

TABLE E-12

LENGTH OF UNEMPLOYMENT OF RESPONDENTS BY WORK SPECIALTY

(Those Unemployed at Any Time Between March 1, 1974, and March 1, 1975)

Length of Unemployment	Analytical	In-organic	Organic	Polymer/Macro-molecular	Physical/Theoretical	Bio-chemistry	Agri-cultural Food	Pharma/Medicinal/Clinical	Chemical Engineering	General Chem.	Other Chemistry	Non-chemical	Total
0 - 1 Month	17	2	6	8	1	10	4	6	12	4	16	5	91
Column %	19.1	9.5	10.9	16.3	5.3	21.3	36.4	23.1	28.6	10.3	22.2	10.9	17.6
1 - 2 Months	15	6	7	9	2	7	2	3	5	7	11	10	84
Column %	16.9	28.6	12.7	18.4	10.5	14.9	18.2	11.5	11.9	17.9	15.3	21.7	16.3
2 - 3 Months	10	1	8	9	1	7	1	6	4	8	6	3	64
Column %	11.2	4.8	14.5	18.4	5.3	14.9	9.1	23.1	9.5	20.5	8.3	6.5	12.4
3 - 6 Months	21	4	8	9	6	3	1	4	8	4	14	4	86
Column %	23.6	19.0	14.5	18.4	31.6	6.4	9.1	15.4	19.0	10.3	19.4	8.7	16.7
6 - 12 Months	14	4	14	8	7	12	1	7	5	8	12	17	109
Column %	15.7	19.0	25.5	16.3	36.8	25.5	9.1	26.9	11.9	20.5	16.7	37.0	21.1
12 or More Months	12	4	12	6	2	8	2	0	8	8	13	7	82
Column %	13.5	19.0	21.8	12.2	10.5	17.0	18.2	0.0	19.0	20.5	18.1	15.2	15.9
Total Unemployment	89	21	55	49	19	47	11	26	42	39	72	46	516
Total Responses	1,549	434	1,463	1,127	606	852	434	603	1,041	867	1,273	681	10,930
Unemployment as % of Total Responses	5.7	4.8	3.8	4.3	3.1	5.5	2.5	4.3	4.0	4.5	5.7	6.8	4.7

TABLE E-13

LENGTH OF UNEMPLOYMENT OF RESPONDENTS BY GEOGRAPHIC REGION

(Those Unemployed Any Time Between March 1, 1974, and March 1, 1975)

20

Length of Unemployment	Pacific	Moun- tain	West North Central	West South Central	East North Central	East South Central	Middle Atlantic	South Atlantic	New Eng.	Total
0 - 1 Month	13	3	2	12	10	0	28	9	11	88
Column %	14.9	15.8	7.7	30.0	13.0	0	23.3	12.9	21.1	17.4
1 - 2 Months	9	3	5	6	15	1	23	9	12	83
Column %	10.3	15.8	19.2	15.0	19.5	6.7	19.2	12.9	23.1	16.4
2 - 3 Months	12	0	7	4	12	1	15	11	2	64
Column %	13.8	0.0	26.9	10.0	15.6	6.7	12.5	15.7	3.8	12.6
3 - 6 Months	18	3	3	9	15	4	18	11	4	85
Column %	20.7	15.8	11.5	22.5	19.5	26.7	15.0	15.7	7.7	16.8
6 - 12 Months	14	4	4	7	17	4	24	18	14	106
Column %	16.1	21.1	15.4	17.5	22.1	26.7	20.0	25.7	26.9	20.9
12 or More Months	21	6	5	2	8	5	12	12	9	80
Column %	24.1	31.6	19.2	5.0	10.4	33.3	10.0	17.1	17.3	15.8
Total Unemployment	87	19	26	40	77	15	120	70	52	506
Total Responses	1,130	366	647	780	2,317	402	2,270	1,779	763	10,454
Unemployment as % of Total Responses	7.7	5.2	4.0	5.1	3.3	3.7	5.3	3.9	6.8	4.8

Note: See page 60 for states/regions distribution.

Table I-1

YEARLY SALARIES OF FULL-TIME EMPLOYED CHEMISTS

by Degree Level and Years of Experience: 1975

Percentiles	Years of Experience										Total
	1 or Less	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & Over	
LOWER 10%											
Bachelor's	\$ 8,400	\$ 9,000	\$11,500	\$13,300	\$15,000	\$15,300	\$15,300	\$15,500	\$17,000	\$16,400	\$11,700
Master's	8,500	9,600	11,700	12,400	15,000	15,000	15,000	14,100	16,800	15,000	12,400
Doctor's	10,500	12,200	13,200	15,000	17,000	19,000	19,000	18,800	19,900	20,000	14,500
LOWER 25%											
Bachelor's	\$ 9,200	\$10,500	\$13,200	\$15,000	\$17,400	\$18,000	\$18,600	\$18,600	\$20,000	\$20,000	\$15,000
Master's	10,000	11,200	14,000	15,300	18,000	18,300	18,800	19,500	20,000	17,000	15,300
Doctor's	12,600	14,400	15,500	18,000	20,000	23,400	22,700	23,200	24,900	23,400	18,000
MEDIAN											
Bachelor's	\$10,500	\$11,800	\$15,100	\$17,300	\$20,000	\$21,600	\$22,000	\$23,000	\$24,400	\$25,000	\$19,000
Master's	12,000	13,200	16,200	18,200	21,200	22,000	24,000	24,000	23,600	22,400	19,800
Doctor's	17,000	18,000	20,000	22,900	25,000	27,700	28,000	28,500	30,300	27,000	23,000
UPPER 25%											
Bachelor's	\$11,300	\$13,200	\$17,300	\$20,000	\$22,900	\$25,000	\$27,000	\$28,000	\$30,000	\$35,000	\$23,500
Master's	13,800	15,300	18,600	21,000	25,000	26,600	28,500	30,000	29,500	27,300	25,000
Doctor's	18,500	19,700	23,400	26,800	30,000	32,800	35,000	35,000	36,100	32,700	28,200
UPPER 10%											
Bachelor's	\$13,000	\$15,000	\$19,400	\$23,000	\$26,000	\$28,900	\$33,700	\$35,000	\$36,600	\$40,000	\$29,000
Master's	15,000	16,700	21,000	24,500	30,000	31,000	34,000	38,500	35,000	32,800	30,100
Doctor's	20,000	21,100	26,000	30,400	34,600	37,500	42,000	41,000	45,000	42,000	35,000
ARITH. MEAN											
Bachelor's	\$10,639	\$12,062	\$15,334	\$17,813	\$20,326	\$21,963	\$23,541	\$24,521	\$25,608	\$27,289	\$19,925
Master's	12,052	13,337	16,469	18,763	22,004	23,157	24,456	25,728	25,752	24,233	20,869
Doctor's	15,805	17,256	19,757	22,864	25,461	28,401	29,880	29,780	32,214	30,729	24,068
# OF RESPONDENTS											
Bachelor's	83	244	331	302	308	384	383	285	170	38	2,528
Master's	52	143	264	231	249	275	235	155	124	21	1,749
Doctor's	75	478	1,166	883	649	665	435	373	167	24	4,915

TABLE I-2

YEARLY INCOMES OF FULL-TIME EMPLOYED CHEMISTS

by Degree Level and Years of Experience: 1974 Actual Gross Income

Percentile Rank	Years of Experience										Total
	1 or Less	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & Over	
LOWER 10%											
Bachelor's	\$ 3,700	\$ 8,100	\$11,000	\$13,000	\$15,000	\$15,000	\$15,300	\$16,000	\$17,000	\$16,700	\$11,000
Master's	3,500	8,700	11,000	12,700	14,900	15,000	15,000	15,000	16,500	16,000	12,000
Doctor's	5,000	11,000	13,200	16,000	17,500	19,500	20,000	20,000	21,000	20,000	14,500
LOWER 25%											
Bachelor's	\$ 5,600	\$10,000	\$13,000	\$14,700	\$17,000	\$18,000	\$18,500	\$19,000	\$20,000	\$20,900	\$14,700
Master's	5,500	10,500	13,800	15,500	18,200	18,300	18,900	19,800	19,400	21,000	15,400
Doctor's	7,500	14,000	16,500	19,000	21,000	24,000	24,000	24,000	26,000	23,900	18,300
MEDIAN											
Bachelor's	\$ 8,500	\$11,200	\$15,000	\$17,000	\$19,900	\$21,300	\$22,000	\$23,100	\$25,300	\$26,500	\$19,000
Master's	8,900	12,600	16,100	18,000	21,600	21,900	24,000	24,000	24,300	24,000	19,900
Doctor's	11,100	16,500	20,000	23,000	25,200	28,000	30,000	29,700	32,000	31,000	23,000
UPPER 25%											
Bachelor's	\$ 9,900	\$13,000	\$17,300	\$20,000	\$23,300	\$25,400	\$28,800	\$29,000	\$32,000	\$37,000	\$24,000
Master's	12,000	15,000	18,500	21,400	26,000	27,000	29,000	30,600	31,000	32,700	25,000
Doctor's	17,000	18,600	23,000	27,100	30,000	34,400	36,500	36,000	40,000	41,300	29,600
UPPER 10%											
Bachelor's	\$11,400	\$15,500	\$19,800	\$23,000	\$27,000	\$29,300	\$36,000	\$38,100	\$40,000	\$40,000	\$30,000
Master's	13,000	16,600	22,000	25,000	30,000	33,100	36,000	40,000	40,000	35,000	32,000
Doctor's	18,500	20,400	25,800	32,000	36,000	40,800	48,000	45,000	52,000	60,000	36,500
# OF RESPONDENTS											
Bachelor's	83	244	331	302	308	384	383	285	170	38	2,528
Master's	52	143	264	232	249	276	235	155	124	21	1,751
Doctor's	75	479	1,166	883	649	665	435	373	167	24	4,916

TABLE I-3
 YEARLY SALARIES OF FULL-TIME EMPLOYED CHEMISTS
 by Degree Level and Employer: 1975

Employer Category	Degree Level		
	B.S.	M.S.	Doctor' s
1. Industry			
Median	19,400	20,800	25,300
Arithmetic Mean	20,479	22,414	27,092
Number	1,995	1,144	2,357
a. Manufacturing Industry			
Arithmetic Mean	20,683	22,643	27,314
Number	1,771	1,025	2,077
b. Non-manufacturing Industry			
Arithmetic Mean	18,870	20,442	25,448
Number	18,870	20,442	25,448
	224	119	280
2. Education			
Median	11,900	14,100	18,000
Arithmetic Mean	13,263	14,670	19,536
Number	68	260	1,728
a. College/University			
Arithmetic Mean	14,078	14,971	19,584
Number	46	173	1,715
b. High School/Other School			
Arithmetic Mean	11,559	14,074	13,238
Number	22	87	13
3. Government			
Median	19,100	20,100	24,700
Arithmetic Mean	19,092	21,159	25,072
Number	327	234	535
a. Federal Government			
Arithmetic Mean	20,637	22,751	26,032
Number	229	175	419
b. State/Local Government			
Arithmetic Mean	15,483	16,439	21,608
Number	98	59	116
4. Hospital/Independent Lab. Non-profit Organization			
Median	14,000	15,450	21,900
Arithmetic Mean	14,750	17,961	23,699
Number	99	78	245
a. Hospital/Independent Lab.			
Arithmetic Mean	13,572	16,507	23,655
Number	43	28	86
b. Non-profit Organization			
Arithmetic Mean	15,655	18,776	23,723
Number	56	50	159
5. Self-employed			
Median	22,500	22,650	25,500
Arithmetic Mean	26,579	21,804	30,042
Number	28	24	38
6. Other			
Median	15,000	18,400	15,300
Arithmetic Mean	13,533	15,600	17,940
Number	9	5	5

TABLE I-4

YEARLY SALARIES OF FULL-TIME EMPLOYED CHEMISTS IN PRIVATE INDUSTRY AND BUSINESS

by Degree Level and Years of Experience: 1975

Percentile Rank	Years of Experience										
	1 or Less	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & Over	Total
LOWER 10%											
Bachelor's	\$ 8,700	\$ 9,900	\$12,200	\$13,800	\$15,500	\$16,000	\$15,700	\$15,400	\$17,000	\$16,000	\$12,400
Master's	10,000	11,000	13,600	15,300	17,000	17,500	17,000	15,000	18,400	14,000	14,000
Doctor's	16,500	16,800	18,700	20,400	21,400	22,000	21,500	22,000	24,400	22,500	18,800
LOWER 25%											
Bachelor's	\$ 9,600	\$10,900	\$13,800	\$15,100	\$17,500	\$18,200	\$19,000	\$18,800	\$20,000	\$18,000	\$15,400
Master's	11,900	12,600	15,000	17,000	19,200	19,500	20,100	21,000	20,800	21,000	17,000
Doctor's	17,000	18,000	20,400	23,300	24,000	25,300	25,600	25,800	26,800	23,400	21,400
MEDIAN											
Bachelor's	\$10,500	\$12,000	\$15,400	\$17,600	\$20,000	\$22,000	\$22,000	\$23,000	\$24,000	\$24,000	\$19,400
Master's	13,000	14,200	17,000	19,500	22,000	23,000	25,000	25,000	25,000	22,000	20,800
Doctor's	18,000	19,100	22,800	26,000	27,100	29,500	30,000	30,000	33,000	35,000	25,300
UPPER 25%											
Bachelor's	\$11,500	\$13,500	\$17,600	\$20,000	\$23,000	\$25,200	\$27,500	\$28,000	\$30,000	\$29,000	\$24,000
Master's	14,000	15,800	19,200	22,100	26,100	27,500	29,700	33,000	30,000	27,300	25,800
Doctor's	19,100	20,500	25,000	29,500	31,600	33,500	38,500	36,900	42,000	42,000	30,000
UPPER 10%											
Bachelor's	\$13,000	\$14,800	\$19,700	\$23,000	\$26,000	\$29,200	\$34,500	\$35,800	\$36,000	\$40,000	\$30,000
Master's	16,000	17,100	22,000	25,000	32,000	32,000	35,000	40,000	38,000	32,800	32,000
Doctor's	20,200	22,500	27,700	33,400	37,000	40,500	46,000	47,800	50,000	58,300	37,000
ARITH. MEAN											
Bachelor's	10,872	12,339	15,717	18,049	20,567	22,357	23,996	24,493	25,543	26,088	20,482
Master's	13,124	14,276	17,541	19,888	23,406	24,518	25,792	27,633	27,266	23,671	22,415
Doctor's	17,787	19,369	23,029	26,686	28,607	30,431	32,838	32,851	35,794	38,156	27,095
# OF RESPONDENTS											
Bachelor's	54	169	247	228	242	317	314	244	147	33	1,995
Master's	33	82	166	135	159	192	170	106	87	14	1,144
Doctor's	45	238	552	396	302	344	203	182	86	9	2,357

TABLE I-5a

YEARLY SALARIES OF FULL-TIME EMPLOYED B.S. CHEMISTS BY WORK FUNCTION AND YEARS OF EXPERIENCE: 1975

Work Function	Years of Experience										Total
	1 or Less	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & Over	
1. General Mgt./Adm. Mgt./Adm. of R&D											
Median	na	14,000	17,000	19,500	23,000	25,300	27,000	26,800	26,050	28,000	24,000
Arith. Mean	na	14,853	17,238	19,701	28,883	26,193	28,614	28,406	27,578	29,206	25,314
Number	4	15	45	55	75	89	131	84	70	18	586
a. General Mgt./Adm.											
Arith. Mean	na	14,853	16,852	18,459	23,900	27,024	28,801	27,147	27,383	29,827	24,825
Number	2	15	31	27	41	50	68	43	40	11	328
b. Mgt./Adm. of R&D											
Arith. Mean	na	na	18,093	20,943	23,862	25,128	28,413	29,727	27,837	28,229	25,936
Number	2	0	14	28	34	39	63	41	30	7	258
2. Basic Research & Applied R&D											
Median	10,400	12,000	15,200	17,000	18,850	20,650	20,700	21,150	21,300	22,300	17,800
Arith. Mean	10,422	12,046	15,328	17,047	18,971	20,663	21,240	22,151	22,328	22,544	18,121
Number	41	105	133	123	122	144	114	102	43	9	936
a. Basic Research											
Arith. Mean	9,583	10,896	14,600	16,584	18,169	17,838	19,686	20,900	na	na	15,478
Number	12	27	25	25	16	8	14	9	2	0	138
b. Applied R&D											
Arith. Mean	10,769	12,444	15,497	17,165	19,092	20,829	21,457	22,272	22,198	22,544	18,578
Number	29	78	108	98	106	136	100	93	41	9	798
3. Teaching or Teaching/Research											
Median	na	9,000	9,650	na	na	na	15,200	na	na	na	10,700
Arith. Mean	na	9,658	9,317	na	na	na	15,200	na	na	na	12,497
Number	0	12	6	3	2	3	6	1	2	0	35

TABLE I-5a

YEARLY SALARIES OF FULL-TIME EMPLOYED B.S. CHEMISTS BY WORK FUNCTION AND YEARS OF EXPERIENCE - continued

Work Function	Years of Experience										Total
	1 or Less	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & Over	
4. Mktg./Sales/Purch. Prod./Quality Con.											
Median	10,800	12,000	15,300	18,050	19,000	20,000	21,000	22,050	22,700	22,950	18,500
Arith. Mean	11,176	12,003	15,172	18,100	20,047	21,098	21,531	23,128	24,782	25,300	19,233
Number	17	64	89	80	80	111	102	72	39	8	662
a. Mktg./Sales/Purch.											
Arith. Mean	na	12,482	16,914	20,763	22,265	22,211	23,244	26,287	27,083	29,100	22,375
Number	1	11	29	27	31	57	41	39	24	5	265
b. Prod./Quality Con.											
Arith. Mean	11,175	11,904	14,330	16,743	18,643	19,924	20,379	19,394	21,100	na	17,136
Number	16	53	60	53	49	54	61	33	15	3	397
5. Other											
Median	10,500	11,100	14,350	16,000	18,200	19,700	18,950	22,000	30,000	na	15,500
Arith. Mean	10,867	11,094	14,754	17,127	18,025	19,872	18,633	25,450	28,862	na	17,490
Number	21	48	57	40	28	36	30	26	16	3	305
a. Forensic/Other Lab. Analysis											
Arith. Mean	10,857	11,718	14,439	16,152	17,917	17,738	18,600	21,814	na	na	15,300
Number	14	33	33	25	12	16	8	7	4	0	152
b. Writing, Editing Abstract./Program.											
Arith. Mean	na	na	15,183	18,420	17,438	19,745	17,445	19,175	na	na	17,495
Number	2	3	6	5	8	11	11	8	1	0	55
c. Consulting											
Arith. Mean	na	na	17,100	na	na	28,100	18,671	26,520	31,844	na	24,245
Number	0	2	5	3	1	5	7	5	9	1	38
d. Other											
Arith. Mean	10,860	12,410	14,454	19,214	18,586	na	na	37,167	na	na	18,753
Number	5	10	13	7	7	4	4	6	2	2	60

TABLE I-5b

YEARLY SALARIES OF FULL-TIME EMPLOYED M.S. CHEMISTS BY WORK FUNCTION AND YEARS OF EXPERIENCE: 1975

Work Function	Years of Experience										Total	
	1 or Less	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & Over		
1. General Mgt./Adm. Mgt./Adm. of R&D												
Median	na	14,000	18,350	21,950	25,500	27,800	29,450	27,500	27,500	22,400	25,700	
Arith. Mean	na	15,500	19,277	22,095	27,263	29,078	30,133	32,209	29,713	23,280	27,389	
Number	4	9	34	40	68	73	78	54	38	5	403	
a. Gen. Mgt./Adm.												
Arith. Mean	na	14,300	18,920	19,995	28,061	30,707	30,416	33,556	31,178	na	27,134	
Number	4	6	25	20	33	29	43	25	18	2	205	
b. Mgt./Adm. of R&D												
Arith. Mean	na	na	20,267	24,195	26,511	28,005	29,786	31,048	28,395	na	27,663	
Number	0	3	9	20	35	44	35	29	20	3	198	
2. Basic Research & Applied R&D												
Median	12,500	13,800	16,300	19,000	20,100	21,000	23,450	22,800	23,000	22,350	19,200	
Arith. Mean	12,436	13,747	16,563	19,092	20,485	21,790	22,910	24,344	24,715	22,975	19,547	
Number	25	73	106	83	87	103	78	37	34	8	634	
a. Basic Research												
Arith. Mean	11,570	13,170	15,968	18,819	20,535	22,000	23,483	27,050	na	na	18,796	
Number	10	23	25	16	17	19	18	8	3	0	139	
b. Applied R&D												
Arith. Mean	13,013	14,012	16,747	19,157	20,473	21,742	22,738	23,597	24,281	22,975	19,758	
Number	15	50	81	67	70	84	60	29	31	8	495	
3. Teaching or Teaching/Research												
Median	9,850	10,300	11,950	14,000	16,500	14,550	15,000	18,000	18,000	na	14,500	
Arith. Mean	9,633	10,995	12,619	14,383	16,580	14,868	15,448	17,223	18,762	na	14,648	
Number	6	20	42	47	44	22	27	13	13	1	235	

TABLE I-5b

YEARLY SALARIES OF FULL-TIME EMPLOYED M.S. CHEMISTS BY WORK FUNCTION AND YEARS OF EXPERIENCE - continued

Work Function	Years of Experience										Total	
	1 or Less	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & Over		
4. Mktg./Sales/Purch Prod./Quality Con.												
Median	12,000	13,000	18,000	17,600	24,000	22,000	24,400	22,000	25,000	na	19,900	
Arith. Mean	13,029	13,320	17,972	18,079	23,232	22,209	24,522	22,705	27,095	na	20,869	
Number	7	20	46	29	28	44	31	24	19	4	252	
a. Mktg./Sales/Purch												
Arith. Mean	na	na	19,359	18,560	25,853	24,880	27,925	25,267	28,722	na	23,567	
Number	4	2	17	15	15	20	16	12	9	2	112	
b. Prod./Quality Con.												
Arith. Mean	na	13,233	17,159	17,564	20,208	19,983	20,893	20,142	25,630	na	18,710	
Number	3	18	29	14	13	24	15	12	10	2	140	
5. Other												
Median	12,100	13,200	16,200	20,000	20,000	20,100	20,100	20,000	21,200	na	18,400	
Arith. Mean	11,760	13,233	16,111	20,800	21,036	21,121	20,220	21,445	23,260	na	19,368	
Number	10	21	36	32	22	33	20	27	20	3	224	
a. Forensic/Other Lab. Analysis												
Arith. Mean	11,367	12,222	15,592	19,120	na	21,033	21,333	na	na	na	17,204	
Number	9	9	13	15	2	6	9	4	4	1	72	
b. Writing, Editing Abstract./Program.												
Arith. Mean	na	na	15,931	21,660	19,400	19,025	17,557	18,585	na	na	17,989	
Number	0	4	13	5	8	12	7	13	3	0	65	
c. Consulting												
Arith. Mean	na	na	na	23,750	na	24,443	na	na	27,900	na	23,567	
Number	1	3	4	6	4	7	1	4	7	2	39	
d. Other												
Arith. Mean	na	16,140	16,933	21,333	22,950	21,425	na	23,033	24,117	na	21,071	
Number	0	5	6	6	8	8	3	6	6	0	48	

TABLE I-5c

YEARLY SALARIES OF FULL-TIME EMPLOYED CHEMISTRY DOCTORS BY WORK FUNCTION AND YEARS OF EXPERIENCE: 1975

Work Function	Years of Experience										Total
	1 or Less	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & Over	
1. General Mgt./Adm. Mgt./Adm. of R&D											
Median	na	19,000	24,300	28,000	30,000	31,500	35,000	35,800	36,000	33,850	30,000
Arith. Mean	na	19,477	24,455	28,887	30,840	33,120	36,889	37,235	37,980	39,688	31,859
Number	4	26	141	179	180	227	147	118	69	8	1,099
a. General Mgt./Adm.											
Arith. Mean	na	17,890	22,228	28,603	30,659	32,760	37,562	38,111	39,810	na	31,753
Number	3	10	32	36	49	60	37	36	20	4	287
b. Mgt./Adm. of R&D											
Arith. Mean	na	20,469	25,109	28,958	30,908	33,249	36,663	36,850	37,233	na	31,897
Number	1	16	109	143	131	167	110	82	49	4	812
2. Basic Research & Applied R&D											
Median	17,250	18,700	21,600	24,000	25,300	26,800	27,000	27,800	27,500	na	23,000
Arith. Mean	16,758	18,381	21,597	24,266	25,756	27,243	27,485	28,127	28,770	na	23,532
Number	52	283	540	316	215	228	120	121	48	3	1,926
a. Basic Research											
Arith. Mean	14,881	17,672	21,026	23,754	25,788	27,447	28,954	29,754	30,214	na	23,283
Number	16	97	187	113	76	75	39	35	14	0	652
b. Applied R&D											
Arith. Mean	17,592	18,751	21,899	24,551	25,739	27,143	26,778	27,465	28,176	na	23,660
Number	36	186	353	203	139	153	81	86	34	3	1,274
3. Teaching or Teaching/Research											
Median	12,500	13,200	15,000	17,500	19,100	22,000	24,000	23,750	24,600	25,500	17,800
Arith. Mean	12,833	13,992	15,344	18,257	20,583	23,255	24,345	24,127	25,151	26,050	19,068
Number	15	118	403	336	220	158	119	106	39	10	1,524

TABLE I-5c

YEARLY SALARIES OF FULL-TIME EMPLOYED CHEMISTRY DOCTORS BY WORK FUNCTION AND YEARS OF EXPERIENCE - continued

Work Function	Years of Experience										Total
	1 or Less	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & Over	
4. Mktg./Sales/Purch Prod./Quality Cont											
Median	na	17,500	21,800	24,000	26,450	30,000	27,900	27,200	na	na	24,000
Arith. Mean	na	17,953	23,060	23,152	28,661	29,848	27,512	25,728	na	na	24,923
Number	0	17	40	21	18	17	16	11	4	0	144
a. Mktg./Sales/Purch.											
Arith. Mean	na	19,086	24,388	22,078	31,290	34,788	31,344	28,613	na	na	27,188
Number	0	7	25	9	10	8	9	8	2	0	78
b. Prod./Quality Cont											
Arith. Mean	na	17,160	20,847	23,958	25,375	25,456	22,586	na	na	na	22,247
Number	0	10	15	12	8	9	7	3	2	0	66
5. Other											
Median	na	17,000	19,000	20,700	24,300	25,300	24,000	28,400	39,500	na	21,500
Arith. Mean	na	17,179	19,739	23,400	24,450	27,977	28,506	27,677	38,357	na	23,958
Number	3	34	41	30	16	34	32	17	7	3	217
a. Forensic/Other Lab. Analysis											
Arith. Mean	na	17,041	19,655	22,150	21,417	25,767	21,786	na	na	na	20,292
Number	0	17	20	6	6	6	7	2	0	1	65
b. Writing, Editing Abstract./Program.											
Arith. Mean	na	16,375	20,344	19,683	21,880	20,444	20,940	na	na	na	20,508
Number	1	8	9	6	5	9	5	4	1	0	48
c. Consulting											
Arith. Mean	na	na	na	na	na	28,920	30,091	na	na	na	27,932
Number	0	2	3	2	3	5	11	4	3	1	34
d. Other											
Arith. Mean	na	17,000	20,211	24,744	na	33,429	36,000	28,729	na	na	27,797
Number	2	7	9	16	2	14	9	7	3	1	70

TABLE I-6a

YEARLY SALARIES OF FULL-TIME EMPLOYED B.S. CHEMISTS BY WORK SPECIALTY AND YEARS OF EXPERIENCE: 1975

Work Specialty	Years of Experience										Total
	1 or Less	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & Over	
Analytical											
Median	10,500	11,700	14,200	16,900	19,100	20,150	20,650	20,800	21,300	na	17,600
Arithmetic Mean	11,200	12,009	14,644	17,409	19,225	20,647	21,119	21,453	22,606	na	17,901
Number	27	74	103	92	87	86	88	49	35	4	645
Inorganic											
Median	na	10,800	15,000	16,500	19,300	19,800	24,600	21,300	na	na	17,800
Arithmetic Mean	na	12,978	15,357	15,857	18,575	21,365	25,123	25,829	na	na	19,785
Number	3	9	7	7	8	20	13	7	2	2	78
Organic											
Median	11,300	12,150	15,400	19,300	19,200	21,900	22,000	24,000	23,500	29,000	20,000
Arithmetic Mean	10,540	12,063	15,972	19,190	20,859	22,409	25,688	28,756	25,479	30,240	21,894
Number	5	16	29	29	37	34	41	32	19	5	247
Polymer/ Macromolecular											
Median	10,600	13,100	16,850	17,100	20,000	22,900	22,500	24,200	26,600	23,000	20,700
Arithmetic Mean	10,550	13,179	16,519	18,008	21,226	23,204	23,922	23,745	27,400	24,600	21,456
Number	6	19	32	36	43	72	51	38	27	5	329
Physical/ Theoretical											
Median	na	na	15,600	na	na	na	22,250	na	na	na	17,000
Arithmetic Mean	na	na	15,914	na	na	na	21,950	na	na	na	18,440
Number	2	3	7	3	3	4	8	3	2	0	35

TABLE I-6a

YEARLY SALARIES OF FULL-TIME EMPLOYED B.S. CHEMISTS BY WORK SPECIALTY AND YEARS OF EXPERIENCE - continued

Work Specialty	Years of Experience										
	1 or Less	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & Over	Total
Biochemistry											
Arithmetic Mean Number	9,017 6	11,121 14	15,085 13	16,075 12	16,830 10	16,833 6	24,350 6	22,017 6	na 1	na 1	15,781 75
Agricultural/Food											
Arithmetic Mean Number	10,580 5	10,500 10	16,529 17	16,238 13	22,900 15	24,293 15	25,775 20	27,363 24	21,622 9	na 3	21,337 131
Pharmaceutical/Medicinal/Clinical											
Arithmetic Mean Number	na 3	12,173 22	13,779 24	17,276 21	21,340 10	22,664 11	24,600 18	20,714 7	29,757 7	na 0	18,267 123
Chemistry, General											
Arithmetic Mean Number	10,271 7	12,044 25	14,968 34	19,477 26	20,094 33	21,549 43	23,165 46	22,797 38	24,883 23	28,800 5	20,094 280
Chemistry, Other											
Arithmetic Mean Number	10,200 11	12,130 37	15,735 55	18,500 54	20,557 44	21,752 62	23,336 70	24,439 46	26,804 27	28,550 8	20,262 414
Nonchemical											
Arithmetic Mean Number	11,050 8	12,287 15	17,450 10	16,478 9	22,344 16	23,893 27	26,305 22	25,927 33	28,863 16	na 4	22,570 160

TABLE I-6b

YEARLY SALARIES OF FULL-TIME EMPLOYED M.S. CHEMISTS BY WORK SPECIALTY AND YEARS OF EXPERIENCE: 1975

Work Specialty	Years of Experience										
	1 or Less	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & Over	Total
Analytical											
Median	12,200	12,900	16,650	19,150	21,000	20,100	23,000	24,000	21,800	na	18,900
Arithmetic Mean	11,906	13,126	16,775	19,689	20,876	20,943	23,041	23,496	23,586	na	19,411
Number	18	34	52	44	41	47	44	25	21	2	328
Inorganic											
Median	na	na	15,200	na	19,700	23,500	na	na	21,200	na	19,500
Arithmetic Mean	na	na	15,978	na	21,200	23,488	na	na	23,660	na	20,610
Number	0	3	9	3	5	8	3	4	5	0	40
Organic											
Median	13,500	13,650	16,000	17,000	22,000	23,400	24,000	25,000	23,000	na	19,900
Arithmetic Mean	13,360	13,630	16,269	18,326	23,567	23,524	23,817	25,153	25,082	na	21,057
Number	5	10	35	27	27	29	23	17	17	2	192
Polymer/ Macromolecular											
Median	na	13,350	17,350	19,700	20,700	24,000	24,000	23,700	22,500	na	21,400
Arithmetic Mean	na	14,150	18,736	20,619	21,363	25,378	26,213	27,647	24,060	na	22,605
Number	2	16	22	27	35	40	31	19	10	3	205
Physical/ Theoretical											
Median	na	na	na	na	22,200	25,600	26,100	na	na	na	24,000
Arithmetic Mean	na	na	na	na	21,900	25,767	27,750	na	na	na	23,705
Number	0	1	2	4	7	6	12	4	4	0	40

TABLE I-6b

YEARLY SALARIES OF FULL-TIME EMPLOYED M.S. CHEMISTS BY WORK SPECIALTY AND YEARS OF EXPERIENCE - continued

Work Specialty	Years of Experience										Total
	1 or Less	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & Over	
Biochemistry											
Arithmetic Mean Number	na 4	11,575 8	14,917 12	13,533 9	19,117 6	22,025 12	24,818 11	na 1	na 1	na 0	18,014 64
Agricultural/Food											
Arithmetic Mean Number	na 0	12,080 5	14,586 7	17,018 11	21,636 11	32,718 11	26,014 7	26,800 13	26,314 7	na 3	23,081 75
Pharmaceutical/Medicinal/Clinical											
Arithmetic Mean Number	12,260 5	14,923 13	16,069 16	21,956 9	21,109 11	26,395 19	24,167 12	24,122 9	na 4	na 1	20,874 99
Chemistry, General											
Arithmetic Mean Number	na 4	11,179 19	14,963 35	16,545 38	20,783 46	18,931 29	19,717 18	26,100 12	26,005 19	na 2	18,543 222
Chemistry, Other											
Arithmetic Mean Number	14,814 7	13,395 21	16,765 54	19,508 36	22,853 38	20,960 45	23,569 42	26,185 27	25,968 22	28,100 5	20,919 297
Nonchemical											
Arithmetic Mean Number	11,386 7	15,727 11	17,795 20	19,641 22	25,733 21	25,045 29	26,857 28	27,787 23	31,077 13	na 3	23,552 177

TABLE I-6c

YEARLY SALARIES OF FULL-TIME EMPLOYED CHEMISTRY DOCTORS BY WORK SPECIALTY AND YEARS OF EXPERIENCE: 1975

Work Specialty	Years of Experience										Total
	1 or Less	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & Over	
Analytical											
Median	16,800	17,550	20,100	21,900	24,200	26,400	25,600	23,750	24,500	na	21,600
Arithmetic Mean	16,700	17,424	19,847	21,990	24,942	26,595	26,035	24,631	25,422	na	22,111
Number	5	66	139	90	59	55	37	26	9	1	487
Inorganic											
Median	17,900	16,000	15,500	20,000	20,600	24,000	29,500	29,200	28,750	na	19,100
Arithmetic Mean	16,488	16,088	17,357	21,591	22,581	23,639	28,038	28,967	27,563	na	20,712
Number	8	32	79	57	42	28	13	9	8	2	278
Organic											
Median	17,100	17,500	19,500	21,500	23,000	25,000	27,000	27,050	30,000	na	22,000
Arithmetic Mean	16,038	16,597	19,355	22,252	24,280	26,121	28,556	26,918	30,648	na	22,804
Number	13	87	229	178	127	96	75	72	33	3	913
Polymer/ Macromolecular											
Median	17,100	19,350	23,000	25,250	26,850	28,100	28,800	30,000	30,900	na	25,100
Arithmetic Mean	17,467	19,256	22,941	25,744	27,441	29,770	31,290	30,620	34,873	na	26,499
Number	9	48	117	96	74	88	49	41	15	4	541
Physical/ Theoretical											
Median	17,100	18,100	17,450	19,150	25,000	28,000	27,350	28,500	31,050	na	22,000
Arithmetic Mean	15,315	16,923	18,417	21,156	25,131	26,886	27,914	30,889	32,750	na	23,116
Number	13	43	94	108	67	65	36	38	14	2	480

TABLE I-6c

YEARLY SALARIES OF FULL-TIME EMPLOYED CHEMISTRY DOCTORS BY WORK SPECIALTY AND YEARS OF EXPERIENCE - continued

Work Specialty	Years of Experience										Total
	1 or Less	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & Over	
Biochemistry											
Arithmetic Mean Number	14,617 6	16,268 65	18,906 173	22,350 101	25,405 82	28,110 71	29,590 59	28,679 34	31,645 20	na 1	23,095 612
Agricultural/Food											
Arithmetic Mean Number	na 0	18,438 16	21,333 39	24,365 37	24,296 23	29,238 34	28,532 22	27,637 19	37,175 8	na 1	25,395 199
Pharmaceutical/Medicinal/Clinical											
Arithmetic Mean Number	na 4	17,795 43	21,918 82	24,962 52	28,615 52	31,433 43	36,778 32	32,042 24	26,300 9	na 3	26,359 344
Chemistry, General											
Arithmetic Mean Number	na 3	16,225 12	16,400 64	20,248 56	17,465 23	26,630 53	26,571 24	32,857 37	31,994 18	na 2	22,966 292
Chemistry, Other											
Arithmetic Mean Number	16,238 8	18,031 49	20,769 108	24,280 70	28,224 62	29,578 68	29,872 39	31,200 43	28,967 15	na 2	25,242 464
Nonchemical											
Arithmetic Mean Number	14,500 6	17,182 17	20,582 39	27,258 33	26,894 34	33,322 60	35,183 42	33,773 30	42,353 17	na 3	29,443 281

TABLE I-7a

YEARLY SALARIES OF FULL-TIME EMPLOYED B.S. CHEMISTS BY GEOGRAPHIC REGION AND YEARS OF EXPERIENCE: 1975

Geographic Region	Years of Experience										Total
	1 or Less	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & Over	
PACIFIC (11.1%)¹											
Median	10,000	12,150	15,600	17,300	20,500	20,000	22,000	21,050	24,000	na	18,100
Arithmetic Mean	10,033	12,497	15,318	17,319	20,583	20,136	23,929	23,273	24,835	na	19,510
Number	6	36	33	27	33	45	42	26	17	4	269
MOUNTAIN (3.5%)											
Median	na	9,800	14,000	15,800	18,700	23,500	20,900	22,800	na	na	17,100
Arithmetic Mean	na	10,070	13,655	17,015	19,300	22,382	21,643	28,671	na	na	18,745
Number	3	10	11	13	12	11	14	7	4	0	85
WEST NORTH CENTRAL (5.4%)											
Median	11,250	10,800	14,400	17,000	17,900	22,800	20,400	26,000	23,100	na	16,000
Arithmetic Mean	10,950	10,929	14,291	16,600	17,773	24,122	21,635	29,160	23,650	na	17,792
Number	6	21	22	17	15	18	20	5	6	0	130
WEST SOUTH CENTRAL (7.7%)											
Median	9,700	12,700	15,500	19,000	21,000	20,800	21,100	24,000	23,800	na	19,400
Arithmetic Mean	9,817	12,448	14,639	18,981	20,633	21,107	22,552	25,329	25,750	na	19,756
Number	6	21	23	21	21	29	29	21	12	2	185
EAST NORTH CENTRAL (23.5%)											
Median	10,650	12,400	15,000	17,000	19,200	21,150	22,000	22,050	22,650	21,650	18,700
Arithmetic Mean	10,786	12,514	15,540	17,481	19,548	21,654	23,785	24,075	23,708	20,990	19,601
Number	14	49	83	81	63	80	80	72	36	10	568

¹Percentage of total responses in each region.

TABLE I-7a

YEARLY SALARIES OF FULL-TIME EMPLOYED B.S. CHEMISTS BY GEOGRAPHIC REGION AND YEARS OF EXPERIENCE - continued

Geographic Region	Years of Experience										Total
	1 or Less	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & Over	
EAST SOUTH CENTRAL (3.7%)											
Median	na	12,400	14,200	17,500	22,250	20,950	21,450	23,000	18,900	na	18,200
Arithmetic Mean	na	13,900	14,745	18,243	22,770	19,900	23,107	22,470	20,800	na	19,352
Number	3	10	11	14	10	8	14	10	7	3	90
MIDDLE ATLANTIC (22.7%)											
Median	10,500	11,700	15,300	16,450	20,150	21,950	22,000	22,100	26,050	28,000	19,000
Arithmetic Mean	10,868	11,800	15,717	17,658	20,619	22,166	23,506	23,191	27,887	24,771	20,182
Number	19	54	65	52	72	88	79	65	46	7	547
SOUTH ATLANTIC (15.3%)											
Median	10,450	11,500	15,550	19,000	20,950	23,000	23,800	24,000	25,500	32,000	20,000
Arithmetic Mean	10,206	11,814	15,334	18,400	20,885	22,864	24,664	26,103	26,126	29,743	20,347
Number	16	35	50	46	48	53	56	39	19	7	369
NEW ENGLAND (7.1%)											
Median	9,900	11,500	15,500	18,000	19,000	21,000	21,750	20,950	21,350	na	19,000
Arithmetic Mean	11,278	11,583	15,790	19,435	20,391	21,940	24,340	26,288	25,060	na	21,305
Number	9	6	21	17	22	30	30	24	10	3	172

Note: See page 60 for states/regions distribution.

TABLE I-7b

YEARLY SALARIES OF FULL-TIME EMPLOYED M.S. CHEMISTS BY GEOGRAPHIC REGION AND YEARS OF EXPERIENCE: 1975

Geographic Region	Years of Experience										Total
	1 or Less	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & Over	
PACIFIC (10.2%) ¹											
Median	12,000	13,450	16,300	17,350	20,900	22,600	23,700	20,900	23,000	na	18,600
Arithmetic Mean	11,920	13,400	16,326	18,120	19,935	24,748	22,783	20,900	24,443	na	19,898
Number	5	10	31	20	31	25	18	15	14	2	171
MOUNTAIN (2.9%)											
Median	na	11,700	18,700	na	23,100	19,450	na	15,500	na	na	17,800
Arithmetic Mean	na	12,517	17,988	na	22,614	21,050	na	19,100	na	na	18,533
Number	2	6	8	4	7	10	3	5	3	0	48
WEST NORTH CENTRAL (5.2%)											
Median	na	12,800	16,700	16,000	18,450	21,600	22,800	25,000	na	na	17,000
Arithmetic Mean	na	13,162	16,643	16,010	19,683	21,250	24,875	25,631	na	na	19,068
Number	4	13	14	10	12	8	12	13	1	0	87
WEST SOUTH CENTRAL (6.5%)											
Median	11,000	9,800	17,850	16,100	19,250	21,150	21,000	29,350	26,000	na	18,600
Arithmetic Mean	11,450	10,230	16,789	17,150	20,200	20,143	23,647	30,525	25,331	na	19,920
Number	6	10	18	12	10	14	17	8	13	1	109
EAST NORTH CENTRAL (24.9%)											
Median	13,250	13,750	16,050	19,800	21,000	21,500	23,950	23,850	22,350	23,200	20,000
Arithmetic Mean	12,725	13,862	16,298	19,719	21,989	23,195	24,269	25,489	25,633	23,144	21,289
Number	8	34	52	53	57	74	62	36	30	9	415

¹Percentage of total responses in each region.

TABLE I-7b

YEARLY SALARIES OF FULL-TIME EMPLOYED M.S. CHEMISTS BY GEOGRAPHIC REGION AND YEARS OF EXPERIENCE - continued

Geographic Region	Years of Experience										Total
	1 or Less	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & Over	
EAST SOUTH CENTRAL (3.8%)											
Median	na	na	15,550	16,150	17,000	22,050	23,750	25,000	na	na	18,000
Arithmetic Mean	na	na	15,300	16,613	18,317	22,683	23,400	22,400	na	na	19,586
Number	2	3	14	8	6	6	14	7	3	1	64
MIDDLE ATLANTIC (22.9%)											
Median	12,450	14,000	17,000	19,000	22,450	22,000	25,000	24,000	24,100	na	20,000
Arithmetic Mean	13,108	14,411	17,377	19,172	23,308	23,307	26,200	27,046	26,371	na	21,726
Number	12	27	56	65	52	57	43	35	31	4	382
SOUTH ATLANTIC (15.8%)											
Median	12,800	14,000	16,000	17,800	22,500	24,000	25,000	26,800	25,450	na	20,000
Arithmetic Mean	11,843	14,029	16,250	19,095	23,067	23,262	24,597	25,542	26,356	na	21,076
Number	7	21	40	37	36	47	36	19	18	2	263
NEW ENGLAND (7.8%)											
Median	na	11,250	13,100	20,500	20,000	20,000	24,500	32,500	20,800	na	19,300
Arithmetic Mean	na	11,850	14,695	19,257	21,681	20,600	23,806	32,020	26,643	na	20,428
Number	3	12	19	14	26	20	18	10	7	1	130

Note: See page 60 for states/regions distribution.

TABLE I-7c

YEARLY SALARIES OF FULL-TIME EMPLOYED CHEMISTRY DOCTORS BY GEOGRAPHIC REGION AND YEARS OF EXPERIENCE: 1975

Geographic Region	Years of Experience										Total	
	1 or Less	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & Over		
PACIFIC (10.6%) ¹												
Median	14,000	17,500	19,000	22,200	22,000	27,750	26,050	27,700	32,300	na	23,000	
Arithmetic Mean	13,557	17,388	19,022	23,042	22,960	28,209	29,020	27,340	31,450	na	23,587	
Number	7	49	96	101	55	74	50	47	14	3	496	
MOUNTAIN (3.5%)												
Median	na	17,600	16,500	18,900	25,000	28,000	22,650	27,150	31,650	na	21,100	
Arithmetic Mean	na	17,482	18,550	20,085	26,312	30,428	21,381	25,770	31,283	na	22,257	
Number	2	22	40	27	25	18	16	10	6	0	166	
WEST NORTH CENTRAL (7.2%)												
Median	17,100	17,800	18,000	19,200	22,800	26,000	26,500	27,800	26,000	na	20,200	
Arithmetic Mean	16,200	17,517	18,386	20,119	22,553	26,793	27,132	29,052	28,754	na	22,121	
Number	5	35	80	63	45	45	28	23	13	1	338	
WEST SOUTH CENTRAL (6.7%)												
Median	18,100	18,000	18,500	21,500	23,650	27,000	26,550	26,850	26,000	na	21,600	
Arithmetic Mean	17,833	16,574	19,437	22,314	24,567	28,638	27,539	31,610	29,129	na	23,232	
Number	6	23	83	64	52	37	18	20	7	3	313	
EAST NORTH CENTRAL (21.4%)												
Median	14,650	18,000	20,900	23,000	25,000	27,000	28,450	30,000	28,400	32,500	23,100	
Arithmetic Mean	14,283	17,713	20,548	22,773	25,280	28,033	30,327	30,604	31,266	35,500	24,273	
Number	12	83	261	197	113	132	84	79	32	8	1,001	

¹Percentage of total responses in each region.

TABLE I-7c

YEARLY SALARIES OF FULL-TIME EMPLOYED CHEMISTRY DOCTORS BY GEOGRAPHIC REGION AND YEARS OF EXPERIENCE - continued

Geographic Region	Years of Experience										Total
	1 or Less	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & Over	
EAST SOUTH CENTRAL (3.8%)											
Median	na	13,200	17,050	17,400	23,200	24,850	24,500	25,300	na	na	19,300
Arithmetic Mean	na	14,873	17,868	19,037	23,067	26,385	24,818	24,040	na	na	20,918
Number	1	15	50	27	24	20	17	20	2	0	176
MIDDLE ATLANTIC (20.9%)											
Median	17,100	18,600	21,000	25,000	26,650	27,800	29,000	30,500	30,900	na	24,500
Arithmetic Mean	15,942	17,818	20,873	24,791	28,150	29,089	32,330	32,347	32,959	na	25,839
Number	19	105	195	173	136	139	92	79	37	4	979
SOUTH ATLANTIC (18.8%)											
Median	18,200	17,050	20,050	24,000	25,800	29,000	30,000	28,950	31,300	na	23,000
Arithmetic Mean	16,567	16,600	19,953	23,203	25,280	28,715	30,034	30,618	35,086	na	23,999
Number	18	100	220	144	116	121	76	56	28	2	881
NEW ENGLAND (7.2%)											
Median	na	18,000	18,650	23,400	25,050	25,800	30,000	25,000	25,900	na	22,200
Arithmetic Mean	na	17,319	18,749	23,216	27,052	26,609	32,076	26,274	27,575	na	23,407
Number	4	36	88	51	48	44	25	23	16	1	336

Note: See page 60 for states/regions distribution.

TABLE I-8

YEARLY SALARIES OF FULL-TIME EMPLOYED CHEMICAL ENGINEERS

by Degree Level and Years of Experience: 1975

Percentile Rank	Years of Experience										Total
	1 or Less	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & Over	
LOWER 10%											
Bachelor's	\$10,700	\$ 7,800	\$11,400	\$16,800	\$17,500	\$18,000	\$18,000	\$18,600	\$18,500	\$20,000	\$17,000
Master's	14,100	13,700	15,100	15,000	21,200	21,300	19,000	16,000	20,200	20,000	16,500
Doctor's	na	16,500	18,800	17,100	19,800	20,000	20,500	23,100	17,300	na	18,700
LOWER 25%											
Bachelor's	\$11,000	\$12,500	\$13,300	\$18,700	\$19,600	\$20,500	\$21,000	\$22,400	\$22,000	\$20,600	\$19,900
Master's	15,000	15,600	17,000	17,400	22,000	24,000	21,000	25,000	22,900	29,700	19,600
Doctor's	na	18,000	22,000	21,000	24,000	25,000	24,000	26,800	25,000	na	22,000
MEDIAN											
Bachelor's	\$12,700	\$13,800	\$16,100	\$19,400	\$24,500	\$24,600	\$25,000	\$26,400	\$28,000	\$25,000	\$24,000
Master's	15,000	16,800	19,200	19,600	24,200	26,200	25,100	30,000	30,000	34,000	25,000
Doctor's	na	20,100	24,500	25,000	26,400	31,200	30,300	33,000	31,000	na	26,000
UPPER 25%											
Bachelor's	\$12,900	\$15,500	\$19,900	\$22,800	\$27,200	\$26,000	\$29,300	\$31,600	\$34,200	\$37,800	\$29,000
Master's	15,600	17,500	21,000	24,000	27,000	31,200	35,000	36,000	40,000	36,000	32,000
Doctor's	na	21,300	26,300	28,800	30,000	36,400	37,600	36,000	41,800	na	33,000
UPPER 10%											
Bachelor's	\$13,200	\$17,200	\$20,800	\$27,000	\$35,000	\$35,000	\$33,000	\$40,000	\$47,000	\$49,600	\$36,000
Master's	15,600	18,000	23,000	28,000	32,000	36,000	38,000	50,000	50,000	36,000	39,000
Doctor's	na	23,000	31,000	33,000	36,000	43,300	50,000	40,600	63,000	na	38,000
ARITHMETIC MEAN											
Bachelor's	12,522	14,100	16,600	20,882	25,341	25,590	26,167	28,620	30,634	31,060	25,749
Master's	15,250	16,712	19,758	21,832	25,438	28,911	28,493	32,793	34,807	32,243	27,206
Doctor's	na	19,907	24,602	25,340	27,167	32,043	33,406	31,651	37,755	na	28,332
# OF RESPONDENTS											
Bachelor's	9	10	24	22	39	59	90	88	50	10	401
Master's	6	17	33	19	26	61	46	43	27	7	285
Doctor's	4	28	45	47	43	44	32	35	20	2	300

YEARLY INCOMES OF FULL-TIME EMPLOYED CHEMICAL ENGINEERS

TABLE I-9

by Degree Level and Years of Experience

1974 Actual Gross Income

Percentile Rank	Years of Experience										Total
	1 or Less	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & Over	
LOWER 10%											
Bachelor's	\$ 5,900	\$11,300	\$ 9,100	\$16,800	\$16,000	\$17,100	\$18,400	\$18,800	\$18,300	\$19,700	\$15,400
Master's	9,500	12,000	14,500	13,800	20,000	20,800	18,900	16,200	21,200	19,000	16,100
Doctor's	na	15,300	20,000	17,000	21,000	23,000	20,900	24,000	23,500	na	19,200
LOWER 25%											
Bachelor's	\$ 5,900	\$11,900	\$12,500	\$18,200	\$20,000	\$21,400	\$22,000	\$22,000	\$23,000	\$24,200	\$19,500
Master's	10,000	14,400	16,700	16,500	22,000	23,700	22,300	25,000	26,400	29,700	19,600
Doctor's	na	17,000	22,000	22,000	24,300	28,000	26,000	30,400	26,000	na	22,100
MEDIAN											
Bachelor's	\$ 8,500	\$12,500	\$15,400	\$19,000	\$22,500	\$24,600	\$25,100	\$26,400	\$30,000	\$34,000	\$24,500
Master's	14,100	16,300	19,000	19,200	24,000	26,200	25,600	30,000	30,300	34,000	25,000
Doctor's	na	20,000	24,000	25,300	28,000	34,000	33,100	35,000	33,500	na	27,000
UPPER 25%											
Bachelor's	\$11,000	\$15,300	\$17,000	\$22,500	\$28,000	\$28,300	\$31,500	\$34,000	\$40,000	\$40,200	\$31,000
Master's	15,000	18,000	20,600	22,500	29,400	31,000	34,000	36,200	40,400	35,000	32,000
Doctor's	na	21,000	26,100	28,300	34,000	41,000	39,000	37,500	45,000	na	35,000
UPPER 10%											
Bachelor's	\$12,700	\$15,300	\$18,700	\$27,000	\$40,000	\$34,600	\$35,000	\$45,000	\$54,000	\$60,000	\$40,000
Master's	15,000	19,000	27,200	28,000	31,000	36,000	45,000	60,000	55,000	40,000	41,000
Doctor's	na	22,000	35,000	32,300	35,700	44,000	50,500	45,000	70,000	na	43,000
# OF RESPONDENTS											
Bachelor's	9	10	24	22	39	59	90	88	50	10	401
Master's	6	17	33	19	26	61	46	43	27	7	285
Doctor's	4	28	45	47	43	44	32	35	20	2	300

TABLE II-1

CHEMISTS EMPLOYED IN PRIVATE INDUSTRY AND BUSINESS

BASIC YEARLY SALARY, *Spring 1975*

DEGREE LEVEL		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 AND OVER	
BACHELOR'S	10%	8700.	9900.	12000.	13800.	15500.	16000.	15800.	15400.	17000.	16000.	
	25%	9600.	10900.	13800.	15100.	17500.	18000.	19000.	19500.	20000.	18000.	
	50%	10500.	12000.	15400.	17700.	20000.	21600.	22000.	22800.	23900.	24000.	
	75%	11500.	13500.	17500.	20000.	23000.	25000.	27200.	27600.	30000.	25000.	
	90%	13000.	14800.	19700.	23000.	26000.	29000.	33700.	35000.	36600.	37000.	
	AM #	10872.	12341.	15703.	18073.	20552.	22057.	24340.	24100.	26653.	25710.	20450.
SD	54	168	243	226	238	303	300	229	141	30	1938.	
	1667.	2561.	2970.	3899.	4752.	5631.	11442.	8456.	13704.	9050.	8636.	
MASTER'S	10%	10000.	11000.	13500.	14800.	16900.	17500.	16900.	15000.	18400.	14000.	
	25%	11900.	12600.	15000.	17000.	19000.	19000.	19900.	20800.	21000.	20000.	
	50%	13000.	14200.	17000.	19500.	22000.	22800.	24600.	25000.	25000.	21500.	
	75%	13800.	15700.	19200.	22000.	26000.	27000.	29200.	31000.	29600.	27300.	
	90%	16000.	16800.	22000.	25000.	30300.	31200.	34200.	40000.	35500.	32800.	
	AM #	13113.	14117.	17427.	19839.	23026.	24235.	25219.	27151.	26621.	23850.	22035.
SD	31	77	158	125	150	177	150	93	82	12	1055.	
	2158.	2385.	3442.	4608.	6156.	7548.	7593.	11530.	8679.	6625.	7921.	
DOCTORS	10%	15300.	16700.	18700.	20400.	21400.	22000.	21500.	22000.	24000.	22500.	
	25%	17000.	18000.	20400.	23200.	24000.	25300.	25000.	25800.	26000.	25000.	
	50%	18000.	19000.	22700.	26000.	27300.	29500.	30000.	30000.	32600.	35000.	
	75%	19000.	20500.	25000.	29000.	31600.	33500.	38800.	36100.	42000.	58300.	
	90%	20000.	22500.	27600.	33000.	37000.	41000.	46000.	47800.	50000.	70000.	
	AM #	17684.	19337.	22990.	26537.	28630.	30629.	33316.	32888.	35512.	52340.	27166.
SD	43	234	546	388	295	334	198	179	81	10	2308.	
	2824.	2526.	4084.	5311.	7522.	9034.	12949.	11408.	12051.	47417.	9556.	
COLUMN TOTAL	AM #	12703.	16044.	20192.	22816.	24593.	26048.	27259.	27806.	29005.	30402.	23689.
	SD	128	479	947	739	883	814	654	501	374	52	5301.
	3709.	4127.	4980.	6218.	7252.	8533.	11873.	10506.	12721.	23879.	9441.	

TABLE II-2

CHEMISTS EMPLOYED IN PRIVATE INDUSTRY AND BUSINESS

a. Bachelor's

BASIC YEARLY SALARY BY GEOGRAPHIC REGION, *Spring 1975*

YEARS OF PROFESSIONAL EXPERIENCE	Geographic Region									ROW TOTAL	
	PACIFIC	MOUNTAIN	WEST NO. CENTRAL	WEST SU. CENTRAL	EAST NO. CENTRAL	EAST SO. CENTRAL	MIDDLE ATLANTIC	SOUTH ATLANTIC	NEW ENGLAND		
1 OR LESS	AM	10600.	10800.	11925.	10040.	11030.	11800.	11233.	10567.	10020.	10872.
	SD	2307. ³	0. ²	1921. ⁴	1589. ⁵	1624. ¹⁰	0. ¹	2163. ¹⁵	1182. ⁵	915. ⁵	1668.
2-4	AM	12330.	11520.	11023.	13333.	12776.	14138.	12173.	11372.	11167.	12314.
	SD	2464. ²³	2352. ⁵	1657. ¹³	2069. ¹⁵	2058. ³⁷	5931. ⁸	2397. ⁴⁴	2051. ¹⁸	577. ³	2537. ¹⁶⁶
5-9	AM	15457.	14220.	14492.	14719.	16095.	14920.	15960.	15492.	16776.	15683.
	SD	2771. ²¹	2483. ⁵	2993. ¹³	2773. ²¹	2959. ⁶⁴	2436. ¹⁰	3179. ⁵⁵	2616. ²⁹	3553. ¹⁷	2980. ²³⁶
10-14	AM	18211.	17300.	15779.	18650.	17828.	13856.	17891.	18579.	20243.	18090.
	SD	3245. ¹⁸	3443. ³	3453. ¹⁴	3018. ¹⁸	3469. ⁶¹	4277. ⁹	4755. ⁴⁴	3526. ²⁹	5236. ¹⁴	3934. ²¹⁵
15-19	AM	21741.	18910.	18382.	21650.	19724.	22659.	20834.	20738.	20391.	20515.
	SD	5190. ¹⁷	2950. ¹⁰	2223. ¹¹	5333. ¹⁶	3373. ³¹	5559. ⁸	5297. ⁶¹	5137. ³²	6089. ²²	4809. ²²⁸
20-24	AM	20459.	22080.	22492.	22104.	22034.	21400.	22153.	22642.	21084.	21907.
	SD	5495. ³²	4352. ⁵	6024. ¹²	6406. ²⁴	4567. ⁶⁸	2252. ⁷	5601. ⁷⁷	6501. ³⁶	4890. ²⁵	5399. ²⁸⁶
25-29	AM	23885.	22829.	21983.	28520.	24444.	22620.	24422.	25409.	22508.	24415.
	SD	7565. ³³	3027. ⁷	10374. ¹⁰	29795. ²⁵	8071. ⁷⁰	4978. ¹⁰	8823. ⁶⁵	9037. ³⁵	6714. ²⁶	11669. ²⁸⁹
30-34	AM	23521.	31075.	30200.	25582.	24345.	22529.	22416.	25978.	22632.	24127.
	SD	6762. ¹⁹	13119. ⁴	8659. ⁴	5969. ¹⁷	10386. ⁶⁶	2710. ⁷	6283. ⁵¹	8268. ²⁷	7348. ²²	8402. ²¹⁷
35-39	AM	24272.	27125.	44150.	26227.	26158.	19340.	27028.	25940.	25622.	26796.
	SD	8134. ¹¹	6562. ⁴	45113. ⁶	8253. ¹¹	16488. ³¹	3446. ⁵	7980. ³⁹	7022. ¹⁵	8983. ⁹	14089. ¹³¹
40 AND OVER	AM	35633.	0.	0.	29500.	20990.	23000.	22689.	25525.	47000.	26010.
	SD	6967. ³	0. ⁰	0. ⁰	7778. ²	3844. ¹⁰	6324. ³	6512. ⁵	7378. ⁴	9900. ²	9057. ²⁹
COLUMN TOTAL	AM	20006.	19616.	19514.	21227.	20399.	19476.	20204.	20720.	20935.	20379.
	SD	7196. ¹⁸⁰	7636. ⁵⁰	14219. ⁹⁵	13745. ¹⁵⁴	6181. ⁴⁶⁸	5316. ⁶⁸	7302. ⁴⁵⁷	7725. ²³⁴	7357. ¹⁴⁵	8663. ¹⁸⁵¹

Note: See page 60 for states/regions distribution.

TABLE II-2

CHEMISTS EMPLOYED IN PRIVATE INDUSTRY AND BUSINESS

b. Master's

BASIC YEARLY SALARY BY GEOGRAPHIC REGION, *Spring 1975*

YEARS OF PROFESSIONAL EXPERIENCE		Geographic Region									ROW TOTAL
		PACIFIC	MOUNTAIN	WEST NO. CENTRAL	WEST SO. CENTRAL	EAST NO. CENTRAL	EAST SO. CENTRAL	MIDDLE ATLANTIC	SOUTH ATLANTIC	NEW ENGLAND	
1 OR LESS	AM #	14500.	0.	12850.	13267.	13086.	12000.	13180.	0.	12267.	13096.
	SD	2 3536.	0.	2 1202.	3 3035.	7 984.	1 0.	10 2902.	0 C.	3 2761.	28 2250.
2-4	AM #	13567.	15850.	15275.	11500.	14600.	13300.	14794.	12614.	12789.	14142.
	SD	6 1726.	2 212.	4 1825.	1 0.	24 2136.	2 424.	18 2254.	7 1823.	9 3794.	73 2411.
5-9	AM #	16592.	17300.	17270.	17633.	17253.	17557.	18605.	17250.	14660.	17444.
	SD	12 2173.	1 0.	10 2374.	12 3019.	36 3187.	7 3114.	41 4341.	20 3247.	10 3374.	149 3504.
10-14	AM #	20820.	16000.	17050.	21317.	20032.	18925.	20405.	18700.	20233.	19963.
	SD	5 4910.	1 0.	4 4405.	6 3464.	34 4235.	4 5179.	43 5443.	13 3740.	9 4751.	119 4674.
15-19	AM #	20785.	22800.	21825.	23583.	22332.	21750.	24617.	22794.	21413.	22863.
	SD	13 5282.	2 1131.	4 3309.	6 6916.	38 5429.	2 5303.	42 7288.	16 4767.	16 7066.	139 6165.
20-24	AM #	27338.	22014.	21640.	22275.	23996.	22367.	24555.	22900.	21969.	23852.
	SD	16 12336.	7 4603.	5 5133.	8 5020.	56 7657.	3 4013.	40 6213.	22 4728.	13 3670.	170 7068.
25-29	AM #	21967.	0.	27514.	23673.	25409.	24791.	25953.	24006.	24444.	25064.
	SD	6 6938.	0.	7 10290.	11 5726.	46 9398.	11 5409.	32 6723.	18 7424.	9 6055.	140 7715.
30-34	AM #	20788.	17667.	28535.	31680.	28887.	22580.	26426.	26163.	31550.	27285.
	SD	9 7884.	3 7371.	9 16096.	5 9728.	23 9626.	5 5531.	23 13885.	8 13531.	4 9085.	88 11712.
35-39	AM #	24050.	33500.	19300.	30217.	25073.	23950.	27000.	26669.	36467.	26537.
	SD	10 6038.	1 0.	1 0.	6 5765.	22 7116.	2 5536.	20 6042.	13 8878.	3 28728.	78 8845.
40 AND OVER	AM #	21000.	0.	0.	32800.	23014.	0.	24450.	0.	0.	23982.
	SD	1 0.	0. 0.	0. 0.	1 0.	7 5891.	0. 0.	4 13364.	0. 0.	0. 0.	11 6932.
COLUMN TOTAL	AM #	21276.	20659.	21557.	22769.	22105.	21116.	22611.	21650.	20584.	21960.
	SD	79 8146.	17 5756.	46 9703.	59 7239.	293 7747.	37 5625.	271 8073.	117 7240.	76 8966.	995 7883.

Note: See page 60 for states/regions distribution.

TABLE II-2

CHEMISTS EMPLOYED IN PRIVATE INDUSTRY AND BUSINESS

c. Doctor's

BASIC YEARLY SALARY BY GEOGRAPHIC REGION, *Spring 1975*

YEARS OF PROFESSIONAL EXPERIENCE	Geographic Region										
	PACIFIC	MOUNTAIN	WEST NO. CENTRAL	WEST SO. CENTRAL	EAST NO. CENTRAL	EAST SO. CENTRAL	MIDDLE ATLANTIC	SOUTH ATLANTIC	NEW ENGLAND	ROW TOTAL	
1 OR LESS	AM	13567.	0.	17500.	18725.	10971.	0.	18242.	17960.	18500.	17617.
	SD	9317. ³	0. ⁰	707. ⁴	1450. ⁴	1896. ⁷	0. ⁰	1678. ¹²	1628. ¹⁰	2121. ²	2823. ⁴²
2-4	AM	20332.	18778.	16847.	18355.	19959.	20133.	19582.	18651.	18545.	19347.
	SD	3675. ²²	3004. ⁹	2809. ¹⁷	1210. ¹¹	2597. ⁴⁴	2346. ³	2136. ⁶⁹	2006. ³⁵	2710. ²⁰	2537. ²³⁰
5-9	AM	23310.	21800.	22368.	23397.	22969.	22767.	23210.	22645.	22329.	22949.
	SD	4834. ³⁰	3752. ⁵	3754. ³¹	5037. ³⁴	3884. ¹⁵⁹	5542. ¹²	3832. ¹²⁴	3689. ⁸⁸	4311. ⁴²	4088. ⁵²⁵
10-14	AM	27768.	30800.	25005.	27195.	25938.	22725.	27226.	25927.	26088.	26578.
	SD	7284. ³⁸	4995. ⁴	6432. ¹⁹	4039. ²¹	4834. ¹⁰³	10458. ⁴	5607. ¹¹²	3005. ⁴⁵	4439. ²⁵	5347. ³⁷¹
15-19	AM	26372.	23820.	26485.	29755.	27620.	27725.	30566.	26480.	30538.	28848.
	SD	4292. ¹⁸	8507. ⁵	3905. ¹⁴	6431. ²⁰	5905. ³¹	7205. ⁸	9332. ⁹⁰	4430. ⁴⁴	9007. ²⁶	7459. ²⁷⁶
20-24	AM	30093.	33880.	31612.	31350.	29841.	31260.	30262.	32224.	26605.	30427.
	SD	6952. ³²	19721. ⁵	7003. ¹⁷	7393. ¹⁶	5867. ⁷¹	3683. ⁵	8444. ⁹¹	13227. ⁵⁴	6955. ²²	9009. ³¹⁵
25-29	AM	33990.	18000.	30956.	32200.	35220.	26578.	34281.	31593.	32429.	33293.
	SD	16293. ²¹	0. ¹	10444. ⁹	6311. ⁵	16504. ⁴⁶	9915. ⁹	14112. ⁵⁴	6583. ²⁷	6939. ¹⁴	13227. ¹⁸⁶
30-34	AM	28218.	0.	32480.	41122.	32640.	26425.	34005.	35474.	27678.	33027.
	SD	5511. ¹⁷	0. ⁰	17569. ¹⁰	14040. ⁹	9333. ⁴⁷	5861. ⁴	12454. ⁵²	13028. ²³	6862. ⁹	11526. ¹⁷¹
35-39	AM	30240.	35000.	37400.	30300.	34140.	0.	35250.	40164.	30440.	34625.
	SD	3617. ⁵	0. ¹	8234. ⁵	5116. ³	11105. ²⁰	0. ⁰	9211. ¹⁸	15279. ¹¹	8876. ¹⁰	10488. ⁷³
40 AND OVER	AM	24200.	0.	0.	0.	42375.	0.	90100.	35200.	0.	52340.
	SD	1131. ²	0. ⁰	0. ⁰	0. ⁰	20105. ⁴	0. ⁰	78958. ³	0. ¹	0. ⁰	47417. ¹⁰
COLUMN TOTAL	AM	26970.	26390.	25853.	27534.	26936.	25580.	28043.	26754.	25792.	27074.
	SD	8695. ¹⁸⁸	10890. ³⁰	8770. ¹²⁵	8303. ¹²⁵	3780. ⁵⁵²	7415. ⁴⁵	11233. ⁶²⁵	9386. ³³⁸	7477. ¹⁷⁰	9533. ²¹⁹⁹

Note: See page 60 for states/regions distribution.

TABLE II-3

CHEMISTS EMPLOYED IN PRIVATE INDUSTRY AND BUSINESS

a. Bachelor's

BASIC YEARLY SALARY BY WORK FUNCTION, Spring 1975

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 AND OVER		
R&D MGMT, ADMIN	AM #	10200.	0.	18442.	20920.	23731.	25029.	29006.	29319.	27110.	25500.	25907.
	SD	1	0	12	25	27	34	54	37	21	4	215
	AM #	0.	0.	2811.	4927.	3930.	5035.	9133.	9760.	6230.	6557.	7855.
	SD	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
BASIC RESEARCH	AM #	10600.	12024.	15147.	17654.	18160.	13500.	20683.	20000.	17600.	0.	15358.
	SD	5	17	15	13	5	2	3	2	1	0	66
	AM #	2015.	1121.	2374.	1749.	5509.	2121.	6068.	4950.	0.	0.	4155.
	SD	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
APPLIED R&D	AM #	10796.	12517.	15509.	16836.	19074.	20629.	21052.	21955.	22518.	22544.	13458.
	SD	26	63	99	78	91	113	86	78	38	9	681
	AM #	1433.	1856.	2613.	2704.	3402.	3632.	4518.	6116.	4822.	9448.	5113.
	SD	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
GENERAL MGMT, ADM	AM #	0.	15769.	17517.	18826.	24543.	26923.	31844.	27238.	33166.	28500.	26602.
	SD	0.	10	24	19	30	39	50	32	35	3	247
	AM #	0.	5197.	3231.	3265.	6133.	7054.	22070.	11786.	23897.	11072.	15555.
	SD	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
TEACH, RESEARCH	AM #	0.	0.	0.	0.	0.	23500.	14000.	0.	0.	0.	19750.
	SD	0.	0.	0.	0.	0.	1	1	0	0	0	2
	AM #	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	6710.
	SD	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
MRKTG, SALE, PRCH	AM #	11200.	12330.	16916.	20946.	22273.	22308.	23244.	25684.	27464.	28875.	22319.
	SD	1	10	25	26	30	52	41	31	22	4	242
	AM #	0.	3573.	2798.	4399.	4214.	6816.	6706.	6416.	9097.	10331.	7021.
	SD	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PRD, QUAL CONTROL	AM #	11175.	11759.	14460.	16962.	18639.	19847.	20522.	18875.	21143.	18967.	17109.
	SD	16	46	52	30	44	47	53	32	14	3	362
	AM #	2240.	2056.	3091.	3270.	4303.	4192.	5473.	5307.	7259.	3855.	5227.
	SD	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
FORENSIC, LAB ANA	AM #	10450.	10755.	15220.	15486.	17386.	21150.	19450.	23517.	19000.	0.	15955.
	SD	4	11	5	7	7	4	2	6	1	0	47
	AM #	451.	1743.	3694.	2801.	1830.	2959.	1626.	7564.	0.	0.	5496.
	SD	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
WRITE, EDIT, ABS	AM #	11400.	10600.	14450.	19350.	19100.	20199.	16133.	18000.	25100.	0.	18003.
	SD	1	1	4	2	4	9	3	4	1	0	29
	AM #	0.	0.	420.	6152.	3747.	3942.	3202.	2135.	0.	0.	4227.
	SD	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CONSULTING	AM #	0.	15300.	14500.	18233.	0.	26750.	19640.	26520.	27767.	0.	22608.
	SD	0.	2	2	3	0	2	5	5	6	0	25
	AM #	0.	5788.	707.	6216.	0.	4879.	2682.	7711.	8528.	0.	7605.
	SD	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
OTHER	AM #	0.	12340.	14780.	22200.	0.	11600.	21900.	32000.	21900.	33000.	19800.
	SD	0.	5	2	5	0	1	4	2	2	2	24
	AM #	0.	2721.	2077.	4351.	0.	0.	2913.	7071.	5233.	5657.	7746.
	SD	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
COLUMN TOTAL	AM #	10872.	12341.	15703.	18073.	20552.	22062.	24306.	24100.	26653.	25710.	20448.
	SD	54	108	243	226	238	304	307	229	141	30	1940
	AM #	1668.	2562.	2970.	3900.	4753.	5624.	11439.	8457.	13795.	9050.	8633.
	SD	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

TABLE II-3

CHEMISTS EMPLOYED IN PRIVATE INDUSTRY AND BUSINESS

b. Master's

BASIC YEARLY SALARY BY WORK FUNCTION, Spring 1975

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 AND OVER	
R&D MGMT, ADMIN	AM# 0. # 0. SD# 0.	15700. 1 0.	20475. 8 4033.	24282. 17 6733.	26103. 29 5683.	28479. 34 9035.	29790. 30 6944.	30580. 25 8083.	28244. 19 6822.	27450. 2 7142.	27677. 164 7612.
BASIC RESEARCH	AM# 12733. # 6 SD# 1669.	14903. 12 2347.	16640. 10 2136.	18775. 8 5285.	19645. 11 4903.	25800. 6 6606.	23143. 10 7797.	30733. 3 14770.	31300. 2 3960.	0. 0 0.	19576. 68 7135.
APPLIED R&D	AM# 12607. # 14 SD# 2203.	14060. 40 2553.	16851. 67 2888.	19084. 57 3063.	20142. 55 4016.	21597. 71 3566.	22506. 53 4710.	23124. 21 6169.	24098. 26 5077.	22600. 6 2829.	19613. 410 4927.
GENERAL MGMT, ADM	AM# 0. # 0 SD# 0.	13750. 2 354.	19600. 13 4842.	19763. 8 4170.	29324. 21 7416.	32365. 17 12426.	29730. 20 10351.	35524. 17 18193.	26413. 3 7431.	15000. 1 0.	28329. 107 11942.
MKTG, SALE, PECH.	AM# 15000. # 3 SD# 2646.	12200. 1 0.	19000. 14 2377.	18500. 10 2183.	25215. 13 2920.	24900. 16 4924.	29036. 14 5678.	23814. 7 3495.	28938. 9 16850.	33900. 1 0.	23828. 87 7462.
PRD, QUAL CONTROL	AM# 12400. # 3 SD# 3487.	13650. 14 2345.	17464. 25 4183.	17550. 12 3941.	20208. 13 5024.	20142. 19 3587.	21029. 14 6734.	18470. 10 4364.	25630. 10 7998.	23400. 2 13254.	18978. 122 5760.
FORENSIC, LAB ANA	AM# 12975. # 4 SD# 1396.	14400. 1 0.	14688. 8 2772.	18275. 4 3536.	0. 0 0.	22450. 2 3606.	20633. 3 4212.	12000. 1 0.	20400. 1 0.	0. 0 0.	16504. 24 4151.
WRITE, EDIT, ABSI	AM# 0. # 0 SD# 0.	13067. 3 2663.	16357. 7 2423.	24933. 3 9253.	17750. 4 3340.	18838. 8 2399.	16600. 5 3945.	19840. 5 8667.	19233. 3 3044.	0. 0 0.	18161. 38 5062.
CONSULTING	AM# 15300. # 1 SD# 0.	14500. 2 2121.	16867. 3 3066.	22875. 4 3847.	0. 0 0.	24367. 3 2050.	0. 0 0.	32000. 2 16571.	37000. 3 11651.	0. 0 0.	24139. 18 9955.
OTHER	AM# 0. # 0 SD# 0.	16600. 1 0.	18067. 3 1205.	18000. 2 2828.	23175. 4 6843.	33100. 1 0.	24600. 1 0.	26100. 2 9758.	32467. 3 15349.	0. 0 0.	23976. 17 8870.
COLUMN TOTAL	AM# 13113. # 31 SD# 2153.	14117. 77 2386.	17427. 156 3442.	19339. 125 4609.	23026. 150 6157.	24235. 177 7549.	25219. 150 7594.	27151. 93 11530.	26621. 82 8679.	23850. 12 6625.	22035. 1055 7921.

TABLE II-3

CHEMISTS EMPLOYED IN PRIVATE INDUSTRY AND BUSINESS

c. Doctor's

BASIC YEARLY SALARY BY WORK FUNCTION, Spring 1975

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 AND OVER	
R&D MGMT, ADMIN	AM# 0. SD# 0.	21371. 14	25354. 97	29282. 118	31295. 97	33402. 130	38724. 84	37852. 61	38673. 37	48200. 4	32363. 42
		3695. 0.	3686. 0.	5074. 0.	6924. 0.	7918. 0.	13397. 0.	12536. 0.	10761. 0.	20625. 0.	4934. 0.
BASIC RESEARCH	AM# 18763. SD# 1184.	19762. 39	22949. 83	25924. 58	26990. 20	28138. 24	29610. 10	31275. 12	30000. 2	0. 0	24541. 267
		1861. 0.	4070. 0.	3592. 0.	5304. 0.	4957. 0.	6242. 0.	7135. 0.	2828. 0.	0. 0.	5267. 0.
APPLIED R&D	AM# 17362. SD# 1733.	19222. 159	22329. 301	24947. 173	25948. 123	26978. 127	20008. 66	27416. 68	28581. 27	29300. 2	23868. 1079
		2219. 0.	2966. 0.	3774. 0.	4155. 0.	5059. 0.	4913. 0.	5829. 0.	8024. 0.	8344. 0.	4623. 0.
GENERAL MGMT, ADMIN	AM# 0. SD# 0.	17567. 3	21970. 19	32922. 9	35809. 23	40224. 25	45954. 13	42076. 17	48213. 8	69000. 4	39003. 112
		1692. 0.	10317. 0.	8228. 0.	13064. 0.	18345. 0.	22335. 0.	17055. 0.	18461. 0.	74784. 0.	21824. 0.
TEACH, RESEARCH	AM# 0. SD# 0.	20400. 1	0. 0	0. 0	23000. 1	0. 0	0. 0	0. 0	0. 0	0. 0	21700. 2
		0. 0.	0. 0.	0. 0.	0. 0.	0. 0.	0. 0.	0. 0.	0. 0.	0. 0.	1825. 0.
MRKTG, SALE, PROM	AM# 0. SD# 0.	19086. 7	24817. 24	21571. 7	30238. 8	34788. 8	31344. 9	28613. 8	38250. 2	0. 0	27237. 73
		4616. 0.	7424. 0.	7001. 0.	8023. 0.	7333. 0.	8523. 0.	7436. 0.	9546. 0.	0. 0.	3618. 0.
PRD, QUAL CONTROL	AM# 0. SD# 0.	16896. 7	20847. 15	23958. 12	25375. 8	23871. 7	23760. 5	21000. 2	26100. 2	0. 0	22440. 58
		4205. 0.	5292. 0.	4342. 0.	8633. 0.	8705. 0.	5611. 0.	1414. 0.	2404. 0.	0. 0.	6241. 0.
FORENSIC, LAB ANAL	AM# 0. SD# 0.	18000. 2	18567. 3	23235. 3	19000. 1	0. 0	22000. 1	0. 0	0. 0	0. 0	20240. 10
		566. 0.	3966. 0.	5937. 0.	0. 0.	0. 0.	0. 0.	0. 0.	0. 0.	0. 0.	4113. 0.
WRITE, EDIT, ABST	AM# 0. SD# 0.	0. 0	23567. 3	0. 0	21880. 5	23500. 5	17000. 1	32100. 2	30000. 1	0. 0	24047. 17
		0. 0.	4555. 0.	0. 0.	3679. 0.	2382. 0.	0. 0.	5657. 0.	0. 0.	0. 0.	4942. 0.
CONSULTING	AM# 0. SD# 0.	22200. 2	14100. 1	18600. 1	29100. 3	23200. 3	31333. 6	36433. 3	34750. 2	0. 0	28610. 21
		2546. 0.	0. 0.	0. 0.	8748. 0.	11505. 0.	8790. 0.	11754. 0.	6718. 0.	0. 0.	9790. 0.
OTHER	AM# 3000. SD# 1.	16500. 2	21100. 4	28357. 7	38000. 1	29620. 5	20733. 3	29767. 6	0. 0	0. 0	25717. 29
		2121. 0.	3431. 0.	11337. 0.	0. 0.	4608. 0.	9143. 0.	1842. 0.	0. 0.	0. 0.	9064. 0.
COLUMN TOTAL	AM# 17684. SD# 2324.	19341. 235	22990. 546	26537. 388	28631. 296	30629. 334	33316. 198	32888. 179	35512. 81	52340. 10	27161. 2310
		2523. 0.	4085. 0.	5313. 0.	7318. 0.	9035. 0.	12949. 0.	11408. 0.	12052. 0.	47417. 0.	9554. 0.

TABLE II-4

CHEMISTS EMPLOYED IN COLLEGES AND UNIVERSITIES

BASIC YEARLY SALARY, Spring 1975

DEGREE LEVEL		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 AND OVER	
DOCTOR'S	10%	8000.	11000.	11700.	13700.	14600.	16000.	17000.	16000.	18000.	15000.	
	25%	9000.	12200.	13400.	15300.	17100.	19200.	20000.	19800.	20000.	23000.	
	50%	11500.	13300.	15000.	17700.	19800.	23500.	24500.	24100.	24600.	26000.	
	75%	12600.	15800.	17000.	20600.	24000.	28500.	29000.	31000.	30300.	30000.	
	90%	16500.	18000.	19500.	25000.	28300.	33000.	35000.	35000.	36000.	32700.	
	AM	11848.	14141.	15485.	18490.	20770.	24172.	25149.	25571.	25811.	26655.	19493.
	#SD	21	140	427	360	240	179	133	119	45	11	1675.
	3285.	2747.	3491.	4392.	5709.	6923.	7111.	7706.	7157.	5886.	6638.	
BS OR MS	10%	5500.	8300.	8600.	10800.	12000.	11000.	11800.	11000.	10700.	17000.	
	25%	5500.	8800.	9400.	12200.	14000.	12000.	13300.	13500.	15100.	17000.	
	50%	9000.	10000.	11500.	13900.	17000.	14000.	15300.	16000.	18000.	17000.	
	75%	9700.	11200.	13700.	16000.	19000.	15300.	18000.	20100.	25000.	25000.	
	90%	13500.	13000.	16300.	18600.	21000.	22000.	21100.	21000.	34000.	25000.	
	AM	9060.	10200.	12293.	14508.	16697.	15152.	16057.	17069.	21193.	21000.	14672.
	#SD	5	29	29	40	29	23	30	13	12	2	212.
	2955.	2049.	3500.	3249.	3246.	4112.	3518.	4254.	8118.	5657.	4657.	
COLUMN TOTAL	AM	11312.	13464.	15282.	18092.	20331.	23145.	23475.	24734.	24837.	25785.	18952.
	#SD	26	169	450	400	269	202	163	132	57	13	1887.
	3359.	3027.	3574.	4451.	5636.	7249.	7477.	7849.	7537.	6004.	6625.	

TABLE II-5

CHEMISTS EMPLOYED IN COLLEGES AND UNIVERSITIES

a. Bachelor's
and
Master'sBASIC YEARLY SALARY BY WORK FUNCTION, Spring 1975

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 AND OVER		
R&D MGMT, ADMIN	AM #	0.	15000.	0.	0.	0.	23500.	0.	0.	27400.	0.	23360.
	SD	0.	1	0	0	0	2	0	0	2	0	5
		0.	0.	0.	0.	0.	2121.	0.	0.	3394.	0.	5445.
BASIC RESEARCH	AM #	7600.	8811.	11425.	13250.	0.	15075.	10300.	16400.	0.	0.	11560.
	SD	1	9	4	4	0	4	1	2	0	0	25
		0.	1896.	3626.	3602.	0.	6394.	0.	1980.	0.	0.	4217.
APPLIED R&D	AM #	13500.	10200.	11275.	13900.	21150.	14300.	0.	27000.	16800.	25000.	14882.
	SD	1	4	4	1	2	2	0	1	1	1	17
		0.	1398.	1723.	0.	212.	990.	0.	0.	0.	0.	537.
GENERAL MGMT, ADMIN	AM #	0.	0.	8600.	17050.	0.	0.	23400.	0.	34000.	0.	20020.
	SD	0	0	1	2	0	0	1	0	1	0	5
		0.	0.	0.	4596.	0.	0.	0.	0.	0.	0.	9696.
TEACH, RESEARCH	AM #	7600.	10509.	13089.	14594.	16535.	14173.	15811.	16210.	18575.	17000.	14870.
	SD	2	11	18	32	26	15	27	10	8	1	150
		2970.	1540.	3892.	3247.	3051.	2516.	3069.	3437.	7543.	0.	3927.
MRKTG, SALE, PRCH	AM #	9000.	0.	0.	0.	0.	0.	0.	0.	0.	0.	9000.
	SD	1	0	0	0	0	0	0	0	0	0	1
		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PRD, QUAL CONTROL	AM #	0.	13050.	0.	0.	0.	0.	21100.	0.	0.	0.	15733.
	SD	0	2	0	0	0	0	1	0	0	0	3
		0.	70.	0.	0.	0.	0.	0.	0.	0.	0.	4648.
FORENSIC, LAB ANA	AM #	0.	10000.	10500.	12300.	0.	0.	0.	0.	0.	0.	10933.
	SD	0	1	1	1	0	0	0	0	0	0	3
		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1210.
WRITE, EDIT, ABST	AM #	0.	9000.	0.	0.	12000.	0.	0.	0.	0.	0.	10500.
	SD	0	1	0	0	1	0	0	0	0	0	2
		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2121.
OTHER	AM #	0.	0.	11000.	0.	0.	0.	0.	0.	0.	0.	11000.
	SD	0	0	1	0	0	0	0	0	0	0	1
		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
COLUMN TOTAL	AM #	9060.	10200.	12293.	14508.	16697.	15152.	16057.	17069.	21183.	21000.	14672.
	SD	5	29	29	40	29	23	30	13	12	2	212
		2955.	2049.	3500.	3249.	3246.	4112.	3518.	4254.	8118.	5657.	4697.

TABLE II-5

CHEMISTS EMPLOYED IN COLLEGES AND UNIVERSITIES

b. Doctor's

BASIC YEARLY SALARY BY WORK FUNCTION, Spring 1975

WORK FUNCTION	1 OR LESS	Years Of Professional Experience									ROW TOTAL	
		2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 AND OVER		
R&D MGMT, ADMIN	AM	0.	0.	0.	17550.	23433.	31400.	30500.	35125.	13000.	0.	27947.
	SD	0.	0.	0.	5020. ²	4844. ³	16220. ³	2434. ⁴	8509. ⁴	0. ¹	0.	10006. ¹⁷
BASIC RESEARCH	AM	9383.	14753.	16334.	20331.	21985.	27117.	27725.	25571.	34000.	0.	19607.
	SD	1457. ⁶	3295. ¹⁹	5782. ³⁵	7222. ¹⁶	4619. ¹³	8055. ¹²	6369. ⁸	7154. ⁷	2829. ²	0.	7786. ¹¹⁸
APPLIED R&D	AM	0.	16140.	15200.	18680.	20500.	24267.	0.	32600.	0.	0.	18714.
	SD	0.	5004. ⁵	2501. ⁶	2672. ⁵	5233. ²	7229. ³	0.	0. ¹	0. ⁰	0. ⁰	5735. ²²
GENERAL MGMT, ADMIN	AM	0.	0.	21283.	22950.	24942.	29975.	30650.	31645.	28114.	32700.	27429.
	SD	0.	0.	3432. ⁶	3017. ¹⁴	6188. ¹²	6027. ¹⁶	7927. ¹⁰	11405. ¹¹	8989. ⁷	0. ¹	7704. ⁷⁷
TEACH, RESEARCH	AM	12833.	13873.	15322.	18208.	20427.	23150.	24275.	24404.	25249.	26050.	18983.
	SD	3319. ¹⁵	2477. ¹¹²	3144. ³⁷⁸	4174. ³²³	5626. ²⁰⁸	6304. ¹⁴⁴	6910. ¹¹¹	6674. ⁹⁶	6450. ³⁵	5833. ¹⁰	6092. ¹⁴³²
MRKTG, SALE, PRCH	AM	0.	0.	14100.	0.	0.	0.	0.	0.	0.	0.	14100.
	SD	0.	0.	0. ¹	0.	0.	0.	0.	0.	0.	0.	0. ⁰
FORENSIC, LAB ANA	AM	0.	17800.	0.	0.	19750.	21100.	0.	0.	0.	0.	19600.
	SD	0.	0. ¹	0.	0.	14496. ²	0. ¹	0.	0.	0.	0.	8479. ⁴
WRITE, EDIT, ABST	AM	0.	14100.	15700.	0.	0.	0.	0.	0.	0.	0.	14633.
	SD	0.	1273. ²	0.	0.	0.	0.	0.	0.	0.	0.	1290. ³
OTHER	AM	0.	18900.	0.	0.	0.	0.	0.	0.	0.	0.	18900.
	SD	0.	0. ¹	0.	0.	0.	0.	0.	0.	0.	0.	0. ¹
COLUMN TOTAL	AM	11848.	14141.	15485.	18490.	20770.	24172.	25149.	25571.	25811.	26655.	19493.
	SD	3285. ²¹	2747. ¹⁴⁰	3491. ⁴²⁷	4392. ³⁶⁰	5709. ²⁴⁰	6924. ¹⁷⁹	7111. ¹³³	7706. ¹¹⁹	7157. ⁴⁵	5886. ¹¹	6638. ¹⁶⁷⁵

TABLE II-6

CHEMICAL ENGINEERS EMPLOYED IN PRIVATE INDUSTRY AND BUSINESS

BASIC YEARLY SALARY, *Spring 1975*

DEGREE LEVEL		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 AND OVER	
BACHELOR'S	10%	12300.	7800.	11400.	15600.	17500.	18000.	18000.	18500.	18500.	19000.	26759. 400 13339.
	25%	12700.	12500.	13300.	18000.	19500.	21400.	21500.	22400.	22000.	20400.	
	50%	12800.	13800.	17000.	19400.	24600.	25000.	23000.	26400.	26600.	26000.	
	75%	13200.	15500.	20000.	22500.	27500.	29000.	30000.	31800.	34000.	37800.	
	90%	13200.	17200.	20800.	27000.	35000.	38400.	37500.	42600.	47000.	49600.	
	AM #	13067.	14100.	16838.	20652.	25564.	26615.	27994.	28667.	32712.	31480.	
	SD	6	10	24	23	36	60	83	91	52	10	
MASTER'S	10%	14100.	13700.	17000.	15000.	20000.	21600.	19500.	16200.	17500.	20000.	27754. 254 11856.
	25%	15000.	15600.	18500.	17400.	22000.	24600.	22900.	25000.	27500.	20000.	
	50%	15000.	16800.	19600.	20500.	24200.	25500.	26000.	27600.	30000.	22000.	
	75%	15600.	17500.	22100.	24000.	26400.	33000.	35000.	37400.	45000.	30000.	
	90%	15600.	18000.	25700.	28000.	32900.	35800.	39000.	45000.	57000.	34000.	
	AM #	15250.	16712.	20695.	21707.	25165.	29762.	29351.	33226.	37163.	26500.	
	SD	6	17	23	15	23	59	41	38	24	4	
DOCTOR'S	10%	18600.	16800.	21000.	19000.	23000.	25000.	23400.	23100.	21000.	28500.	29941. 218 10877.
	25%	18600.	19200.	23000.	22100.	24200.	29800.	26800.	27000.	25500.	28500.	
	50%	18700.	20500.	25500.	26000.	26400.	34000.	33500.	31000.	41500.	26500.	
	75%	19500.	22000.	27300.	30300.	30900.	37500.	40000.	36500.	45000.	28500.	
	90%	21200.	23000.	31700.	35000.	36000.	43900.	60000.	40600.	85000.	28500.	
	AM #	19500.	20379.	25753.	27174.	27785.	34833.	36680.	31550.	45023.	28500.	
	SD	4	24	34	35	27	33	25	22	13	1	
COLUMN TOTAL	AM #	15494.	17925.	21619.	23996.	26155.	29620.	29766.	30293.	35710.	29953.	27645.
	SD	16	51	86	73	86	151	154	151	89	15	872
		2705.	3462.	5512.	6747.	6392.	9583.	12253.	12266.	22106.	11620.	12359.

TABLE II-7

CHEMISTS SELF-EMPLOYED

GROSS INCOME, 1974

DEGREE LEVEL		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 AND OVER
BACHELOR'S	10%	0.	0.	13000.	0.	0.	12000.	5700.	65000.	24000.	30000.	
	25%	0.	0.	13000.	0.	0.	12000.	18500.	65000.	24000.	30000.	
	50%	0.	0.	20000.	0.	0.	12000.	30000.	65000.	40000.	30000.	
	75%	0.	0.	21000.	0.	0.	20000.	40000.	68000.	40000.	40000.	
	90%	0.	0.	25000.	0.	0.	20000.	60000.	68000.	65000.	40000.	
	AM	0.	0.	19750.	0.	0.	16000.	33407.	66500.	42250.	35000.	34056.
#SD	0.	0.	4992.	0.	0.	5657.	20444.	2122.	16939.	7071.	19324.	
MASTER'S	10%	18000.	10000.	17000.	8000.	10000.	19600.	13700.	11000.	14000.	25000.	
	25%	18000.	10000.	17000.	8000.	10000.	19600.	13700.	11000.	14000.	25000.	
	50%	18000.	10000.	17000.	8000.	15000.	24000.	13700.	11000.	25000.	25000.	
	75%	18000.	10000.	17000.	15000.	30000.	33000.	25000.	11000.	25300.	35000.	
	90%	18000.	10000.	17000.	15000.	30000.	40000.	25000.	11000.	32000.	35000.	
	AM	18000.	10000.	17000.	11500.	21250.	27320.	19350.	11000.	23750.	30000.	21588.
#SD	1.	1.	1.	2.	4.	5.	2.	1.	5.	2.	24.	
DOCTOR'S	10%	0.	8100.	30000.	24000.	26700.	1500.	13000.	9300.	8500.	20000.	
25%	0.	8100.	30000.	24000.	26700.	26700.	24000.	20000.	9300.	8500.	20000.	
50%	0.	11000.	30000.	26000.	26000.	45000.	32000.	60000.	24000.	38000.	20000.	
90%	0.	13000.	30000.	26000.	26000.	45000.	60000.	65000.	24000.	40000.	20000.	
AM	0.	98000.	30000.	60000.	60000.	60000.	66300.	83000.	100000.	70000.	20000.	42434.
#SD	0.	27820.	30000.	36667.	43900.	46350.	55678.	44432.	35300.	20000.	38.	
COLUMN TOTAL	AM	18000.	24850.	21000.	26600.	30957.	35960.	42050.	46217.	33184.	30000.	34292.
#SD	1.	35876.	5967.	20020.	17100.	27023.	26969.	36923.	17564.	7906.	5.	24283.

TABLE II-8

CHEMISTS SUBPROFESSIONALLY EMPLOYED

BASIC YEARLY SALARY, Spring 1975

DEGREE LEVEL	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 AND OVER		
BACHELOR'S	10%	8300.	8300.	9000.	7200.	7400.	9000.	13000.	9000.	17700.	0.	16022. 90. 8704.
	25%	9500.	9500.	10000.	11900.	9600.	11600.	13200.	14000.	21000.	0.	
	50%	9900.	11200.	13000.	16200.	11300.	19200.	16400.	20000.	27000.	0.	
	75%	10800.	12800.	17000.	16700.	16400.	22900.	17800.	22300.	40000.	0.	
	90%	13200.	15000.	18000.	16900.	16400.	36000.	18600.	27000.	40000.	0.	
	AM	10659.	11731.	13850.	14843.	12933.	20867.	17185.	22456.	30033.	0.	
#	17	16	10	7	0	12	7	9	6	0		
SD	2478.	3058.	3513.	4740.	4083.	12127.	4047.	11534.	11459.	0.		
MASTER'S	10%	6600.	8900.	8000.	10000.	2100.	13500.	16500.	5800.	8600.	0.	15868. 50. 8303.
	25%	7600.	9500.	9400.	15000.	2100.	13900.	16500.	8000.	8600.	0.	
	50%	9500.	12800.	15000.	17800.	9000.	25600.	16500.	24000.	19200.	0.	
	75%	10200.	13000.	17000.	17800.	9000.	28200.	16500.	25000.	19500.	0.	
	90%	10500.	19500.	20000.	18200.	16000.	48600.	16500.	26000.	25000.	0.	
	AM	9214.	13713.	14491.	15333.	9033.	26860.	16500.	20829.	18020.	0.	
#	7	8	11	3	3	5	1	7	5	0		
SD	1605.	5018.	4473.	4623.	6950.	13439.	0.	10605.	5929.	0.		
DOCTOR'S	10%	3000.	6600.	10500.	9000.	9500.	10000.	6000.	12700.	24500.	15000.	18664. 61. 12401.
	25%	3000.	10000.	11300.	9000.	9500.	10000.	10400.	12700.	24500.	15000.	
	50%	14000.	15000.	13000.	15900.	18500.	13000.	15000.	23400.	24500.	15000.	
	75%	14700.	16200.	18500.	24000.	27000.	14300.	28000.	39000.	75000.	15000.	
	90%	18100.	17000.	20000.	35000.	55000.	33800.	28000.	50000.	75000.	15000.	
	AM	11760.	13964.	15076.	18780.	25550.	17775.	20567.	28660.	49750.	15000.	
#	5	11	17	5	5	4	6	5	2	1		
SD	5878.	3760.	5013.	10856.	17582.	10834.	12560.	16244.	35709.	0.		
COLUMN TOTAL	AM	10500.	12866.	14587.	16253.	16607.	21795.	18586.	23248.	28446.	15000.	16792.
	SD	3116.	3825.	4419.	7057.	12620.	12032.	8463.	12186.	17172.	0.	201. 9915.

TABLE II-9

CHEMISTS WITH POSTDOCTORAL FELLOWSHIPS

58

BASIC YEARLY SALARY BY WORK FUNCTION, Spring 1975

WORK FUNCTION	Years Since P. H. D.							RCW TOTAL	
	1 OR LESS	2-4	5-9	10-14	20-24	25-29	40 AND OVER		
BASIC RESEAR.	10yr	7500.	7500.	8000.	8400.	0.	7500.	0.	9684. 160 2024.
	25yr	8000.	8400.	8400.	8400.	0.	7500.	0.	
	50yr	8600.	9500.	9600.	8500.	0.	7500.	0.	
	75yr	10000.	11000.	12000.	9000.	0.	15000.	0.	
	90yr	11000.	12500.	14000.	12000.	0.	15000.	0.	
	AM	9156.	9731.	10570.	9475.	0.	11250.	0.	
#	50	81	23	4	0	2	0		
SD	1555.	1995.	2525.	1704.	0.	5303.	0.		
APPLIED R&D	10yr	8500.	7000.	10000.	0.	14000.	0.	9000.	11067. 15 2365.
	25yr	9500.	7000.	10000.	0.	14000.	0.	9000.	
	50yr	9600.	9000.	12500.	0.	14000.	0.	9000.	
	75yr	12000.	10800.	12500.	0.	14000.	0.	9000.	
	90yr	12000.	14100.	13000.	0.	14000.	0.	9000.	
	AM	11100.	10225.	11833.	0.	14000.	0.	9000.	
#	6	4	3	0	1	0	1		
SD	2383.	3014.	1607.	0.	0.	0.	0.		
GENERAL MGMT, ADMINISTRATION	10yr	0.	11000.	0.	0.	0.	0.	0.	11000. 1 0.
	25yr	0.	11000.	0.	0.	0.	0.	0.	
	50yr	0.	11000.	0.	0.	0.	0.	0.	
	75yr	0.	11000.	0.	0.	0.	0.	0.	
	90yr	0.	11000.	0.	0.	0.	0.	0.	
	AM	0.	11000.	0.	0.	0.	0.	0.	
#	0	1	0	0	0	0	0		
SD	0.	0.	0.	0.	0.	0.	0.		
TEACH. RESEAR.	10yr	8000.	8000.	8000.	0.	0.	35000.	0.	10283. 24 5429.
	25yr	8000.	8500.	8000.	0.	0.	35000.	0.	
	50yr	8400.	9000.	8400.	0.	0.	35000.	0.	
	75yr	8400.	10000.	9400.	0.	0.	35000.	0.	
	90yr	8400.	11000.	12000.	0.	0.	35000.	0.	
	AM	8267.	9471.	9467.	0.	0.	35000.	0.	
#	3	17	3	0	0	1	0		
SD	231.	1412.	2203.	0.	0.	0.	0.		
COLUMN TOTAL	AM	9308.	9719.	10586.	9475.	14000.	19167.	9000.	9879.
	#	59	103	29	4	1	3	1	200
	SD	1715.	1934.	2417.	1704.	0.	14216.	0.	2692.

BASIC YEARLY SALARY BY EMPLOYER¹, Spring 1975

EMPLOYER CLASSIFICATION	Years Since Ph. D.							RCW TOTAL	
	1 OR LESS	2-4	5-9	10-14	20-24	25-29	40 AND OVER		
COLLEGE, UNIVER.	10%	7500.	8000.	8000.	3400.	14000.	35000.	9000.	
	25%	8000.	8400.	8400.	8400.	14000.	25000.	9000.	
	50%	8500.	9000.	9500.	8500.	14000.	35000.	9000.	
	75%	9500.	10800.	13000.	8500.	14000.	35000.	9000.	
	90%	10200.	12000.	14000.	9000.	14000.	35000.	9000.	
	AM	8739.	9552.	10371.	8633.	14000.	35000.	9000.	9592.
#	46	65	21	3	1	1	1	158	
SD	1072.	1791.	2424.	321.	0.	0.	0.	2710.	
FEDERAL GOVERN.	10%	10000.	7000.	15800.	12000.	0.	7500.	0.	
	25%	11500.	10000.	15800.	12000.	0.	7500.	0.	
	50%	12000.	10800.	15800.	12000.	0.	7500.	0.	
	75%	15000.	12900.	15800.	12000.	0.	7500.	0.	
	90%	15000.	13500.	15800.	12000.	0.	7500.	0.	
	AM	12583.	11429.	15800.	12000.	0.	7500.	0.	11925.
#	6	7	1	1	0	1	0	16	
SD	2010.	2719.	0.	0.	0.	0.	0.	2627.	
HOSPITAL, LAB.	10%	8500.	0.	8900.	0.	0.	0.	0.	
	25%	8500.	0.	8900.	0.	0.	0.	0.	
	50%	10000.	0.	10000.	0.	0.	0.	0.	
	75%	10000.	0.	12000.	0.	0.	0.	0.	
	90%	12000.	0.	12500.	0.	0.	0.	0.	
	AM	10167.	0.	10850.	0.	0.	0.	0.	10557.
#	3	0	4	0	0	0	0	7	
SD	1756.	0.	1690.	0.	0.	0.	0.	1609.	
OTHER NON-PROF.	10%	9500.	7200.	12000.	0.	0.	15000.	0.	
	25%	9500.	7400.	12000.	0.	0.	15000.	0.	
	50%	10200.	10000.	12000.	0.	0.	15000.	0.	
	75%	10200.	11500.	12000.	0.	0.	15000.	0.	
	90%	12500.	11800.	12000.	0.	0.	15000.	0.	
	AM	10733.	10167.	12000.	0.	0.	15000.	0.	10764.
#	3	9	1	0	0	1	0	14	
SD	1569.	2205.	0.	0.	0.	0.	0.	2262.	

¹Excluded from this table are 4 postdoctorals working in private industry and 1 in state or local government.

1. Pacific

Washington
Oregon
California
Alaska
Hawaii

2. Mountain

Montana
Idaho
Wyoming
Nevada
Utah
Colorado
Arizona
New Mexico

3. West North Central

North Dakota
Minnesota
South Dakota
Iowa
Nebraska
Kansas
Missouri

4. West South Central

Oklahoma
Arkansas
Texas
Louisiana

5. East North Central

Wisconsin
Michigan
Illinois
Indiana
Ohio

6. East South Central

Kentucky
Tennessee
Mississippi
Alabama

7. Middle Atlantic

New York
Pennsylvania
New Jersey

8. South Atlantic

Delaware
Maryland
West Virginia
District of Columbia
Virginia
North Carolina
South Carolina
Georgia
Florida

9. New England

Maine
New Hampshire
Vermont
Massachusetts
Connecticut
Rhode Island

AMERICAN CHEMICAL SOCIETY
1975 Comprehensive Salary and Employment Status Survey

Do not write
in this space

A. Sex: (1) Male (2) Female 2-3 B. Year of birth 4-5 C. State of residence

1 2 3 4 5

D. Citizenship: (1) U.S. Non-U.S.: (2) Permanent resident visa (3) Other visa

6

E. Are you a member of any of the minority groups recognized by the Equal Employment Opportunity Commission listed below? Yes (5) No

If "Yes," please check those which apply to you:

- (1) Black/Negro (2) American Indian
(3) Oriental (those of Chinese, Japanese, Korean, or Filipino ancestry) (4) Spanish-Surnamed (those of Mexican, Puerto Rican, Cuban, or Spanish ancestry)

7

F. Highest degree earned: (1) Bachelors (2) Masters (3) Doctors (4) Less than bachelors

8

G. Year highest degree was obtained:

9 10

H. Field of highest degree:

- (01) Analytical chemistry (07) Agricultural/food chemistry
(02) Inorganic chemistry (08) Pharmaceutical/medicinal chemistry
(03) Organic chemistry (09) Chemical engineering
(04) Polymer/macromolecular chemistry (10) Chemistry, general
(05) Physical/theoretical chemistry (11) Chemistry, other (specify)
(06) Biochemistry (12) Non-chemical (specify)

11 12

Please check the one response in each question which most aptly describes your status as of March 1, 1975.

I. Current Employment Status:

Employed full-time:

- (01) professionally
(02) subprofessionally

Unemployed:

- (06) and seeking employment
(07) not seeking employment

Employed part-time or temporarily:

- (03) and seeking full-time employment
(04) not seeking full-time employment

Retired:

- (08) seeking full-time employment
(09) seeking part-time employment
(10) not seeking employment

(05) Postdoctoral or other fellowship

13 14

J. Current, or most recent full-time professional employer:

Private industry or business:

- (01) manufacturing
(02) non-manufacturing

(05) Federal government

- (06) State or local government
(07) Self-employed
(08) Hospital, independent laboratory
(09) Other non-profit organization
(10) Other (specify)

- (03) 2 or 4-year college or university
(04) High school or other school

15 16

K. Category which most closely approximates your present, or most recent principal function:

Research and development

- (01) Management/administration of R&D
(02) Basic research
(03) Applied research/development

(05) Teaching or teaching/research

- (06) Marketing/sales/purchasing/technical services
(07) Production/quality control
(08) Forensic analysis/other lab. analysis
(09) Writing, editing, abstracting, programming
(10) Consulting
(11) Other (specify)

(04) General management/administration (other than research/development)

17 18

L. Specialty which is most closely related to your present, or most recent principal employment:

(01) Analytical chemistry

- (02) Inorganic chemistry
(03) Organic chemistry
(04) Polymer/macromolecular chemistry
(05) Physical/theoretical chemistry
(06) Biochemistry
(07) Agricultural/food chemistry
(08) Pharmaceutical/medicinal chemistry

(09) Chemical engineering

- (10) Chemistry, general
(11) Chemistry, other (specify)
 Environmental
 Nuclear
 Computer/literature/information science
(12) Non-chemical (specify)

19 20

M. Present basic annual salary associated with your principal professional employment (nearest \$100): \$
(Do not include bonuses, overtime, summer teaching, or other payment for professional work.)

21 22 23 24 25

N. 1974 gross annual income from all professional activities, to the nearest \$100: \$
(Income is ALL payment for professional activities including basic salary, plus bonuses, royalties, fees, honoraria, consultation, etc.)

26 27 28 29 30

O. How many years of professional work experience, including postdoctoral study, have you had?

31 32

P. Have you been unemployed and seeking employment at any time since March 1, 1974? (1) Yes (2) No
(Students, graduate assistants, or postdoctorals are not considered as unemployed for this survey.)

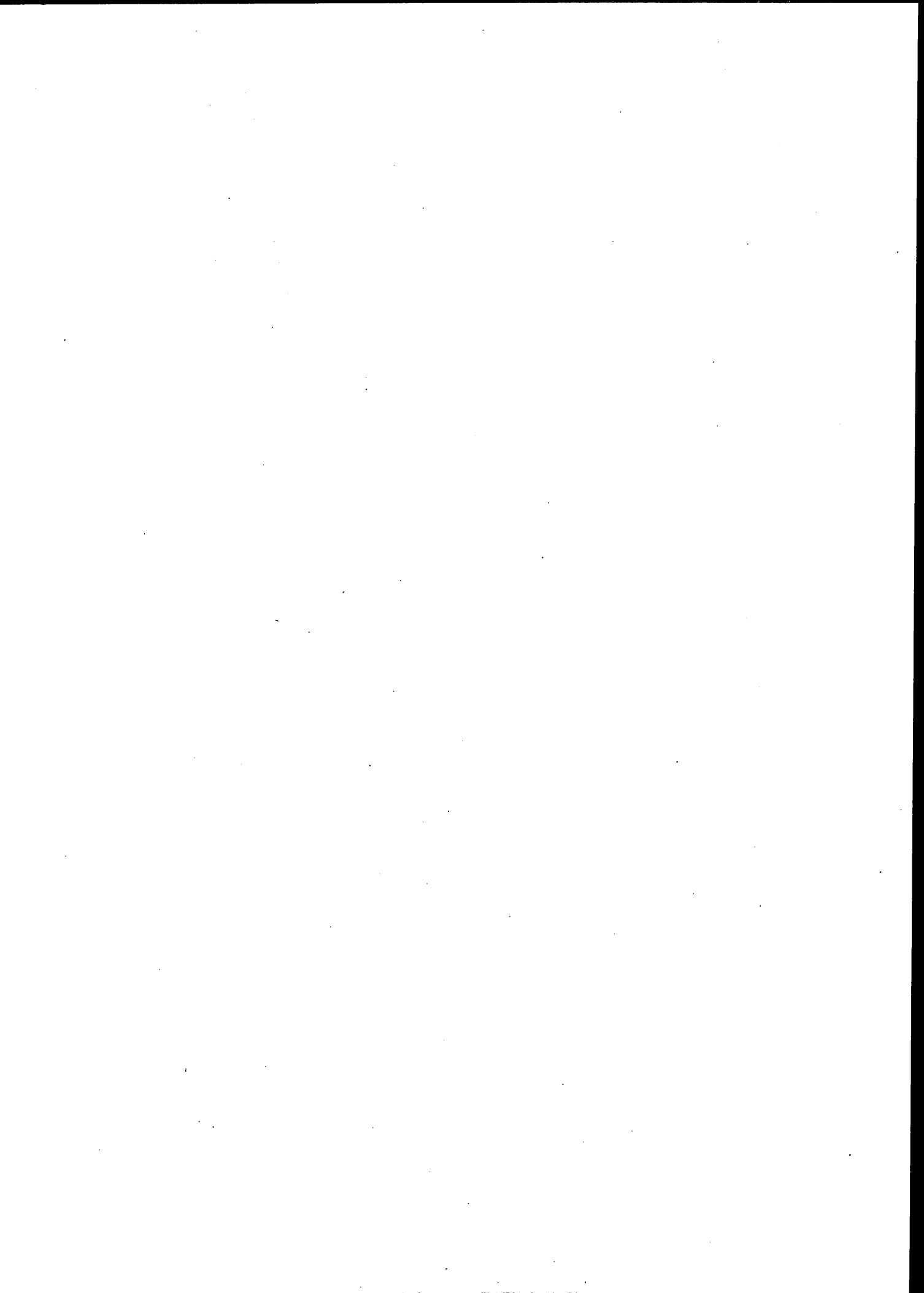
If "Yes," what was the length of unemployment:

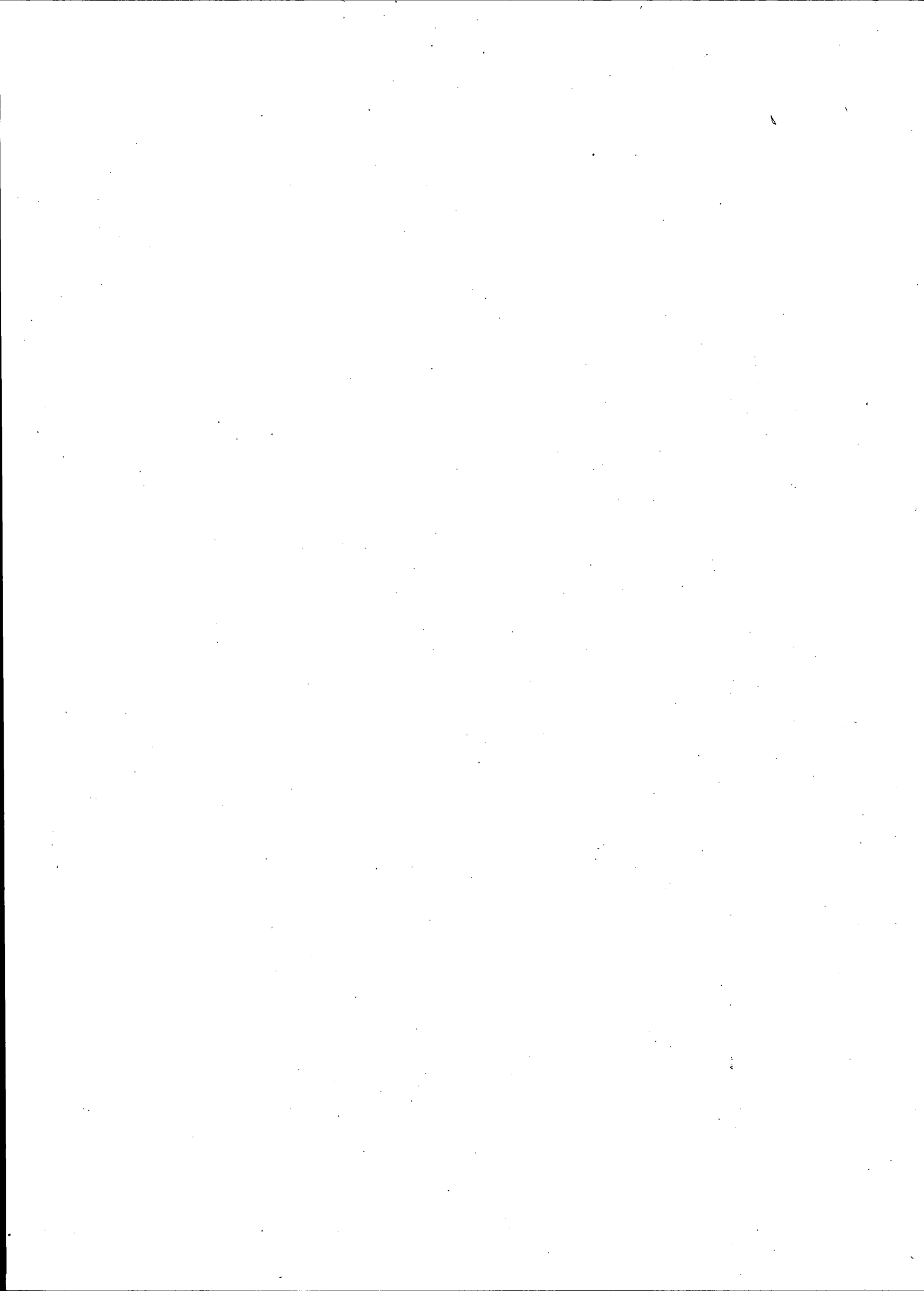
- (1) Less than 1 month (4) 3-6 months
(2) 1-2 months (5) 6-12 months
(3) 2-3 months (6) More than 12 months

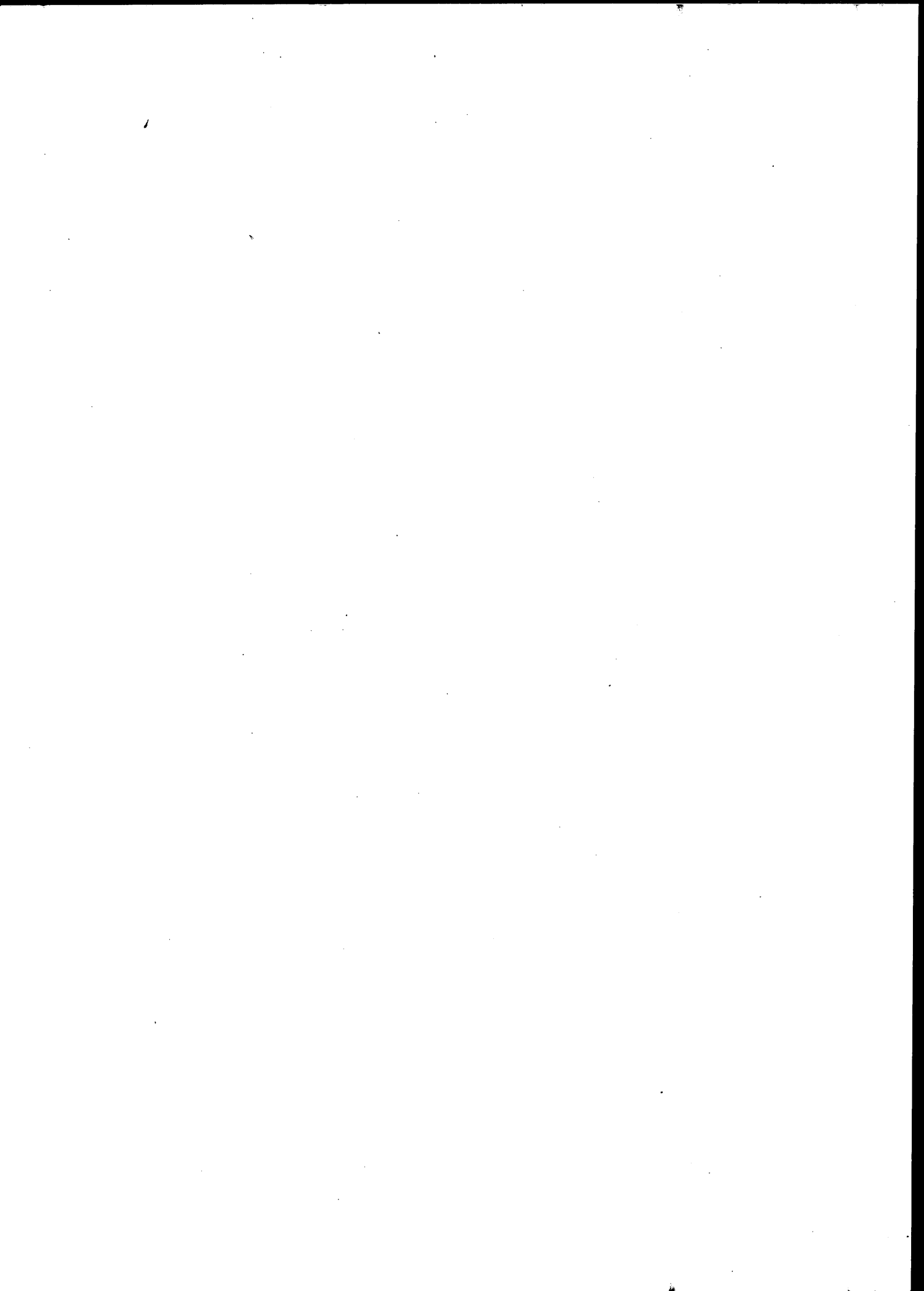
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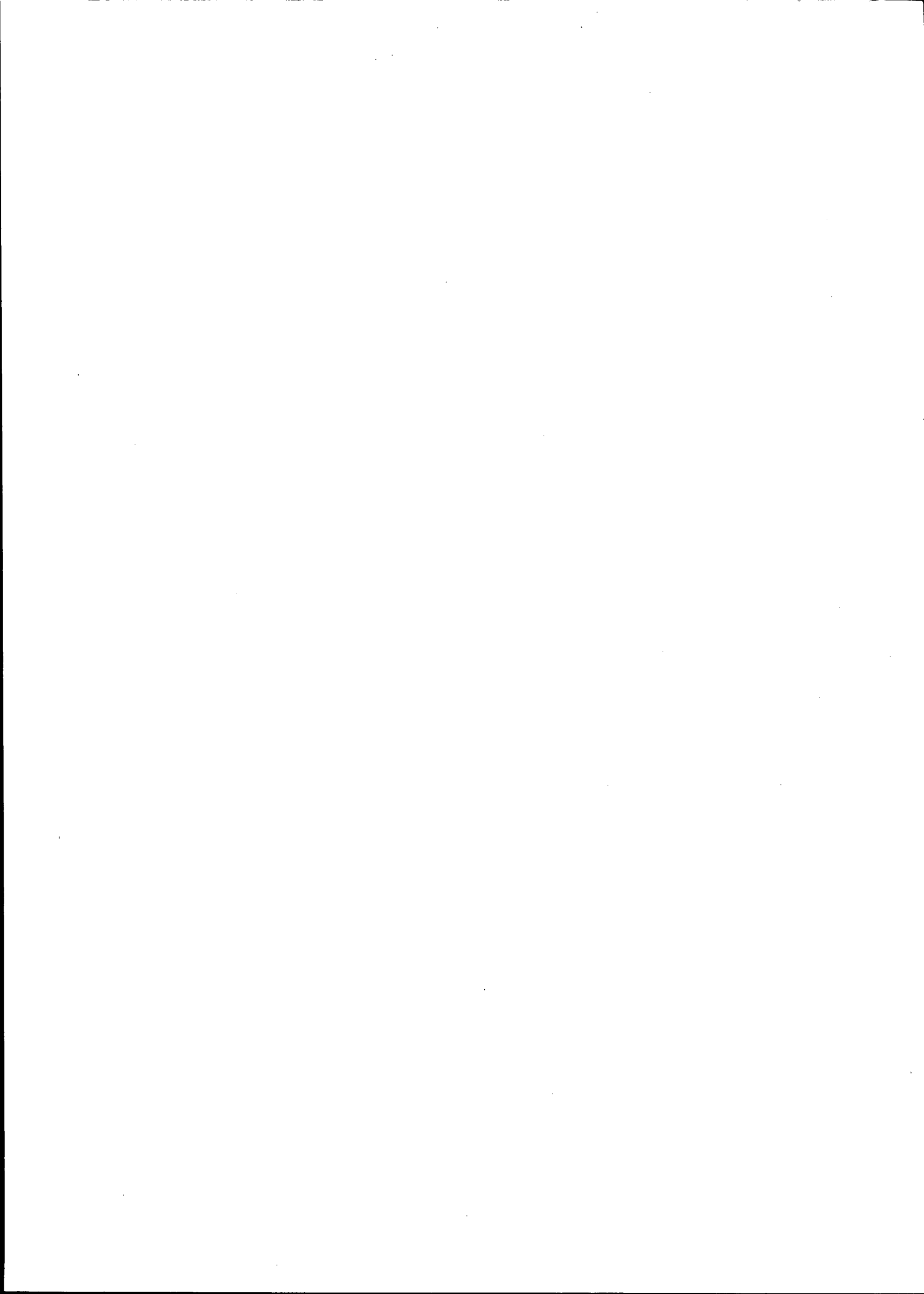
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(We would appreciate having your opinions, comments, or suggestions on the reverse side of this page.)









AMERICAN CHEMICAL SOCIETY

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