SALARIES 2000

ANALYSIS OF THE AMERICAN CHEMICAL SOCIETY'S 2000 COMPREHENSIVE SALARY AND EMPLOYMENT STATUS SURVEY CHEMCENSUS 2000

AMERICAN CHEMICAL SOCIETY
COMMITTEE ON ECONOMIC AND PROFESSIONAL AFFAIRS
DEPARTMENT OF CAREER SERVICES

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ANALYSIS OF THE AMERICAN CHEMICAL SOCIETY'S 2000 COMPREHENSIVE SALARY AND EMPLOYMENT STATUS SURVEY

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Contents

The summary report for *Salaries 2000* is a reprint of the full *ChemCensus 2000* report.

ACKNOWLEDGMENTS

Every fifth year since 1985, ACS has conducted a census of its working members. This report presents detailed results of the 2000 ACS Comprehensive Salary and Employment Status Survey, ChemCensus 2000. An initial review and analysis of the census was published in the August 14, 2000, issue of *Chemical & Engineering News* and the September issues of *Today's Chemist at Work*. Special publications to be produced from this survey include *Women Chemists 2000*, *Industry Chemists 2000*, and *Academic Chemists 2000*.

The ACS Council Committee on Economic and Professional Affairs (CEPA) and its Subcommittee on Surveys planned and provided general oversight of the survey, its analysis and the symposia presented at the Spring 2001 ACS National Meeting in San Diego. Members of the Subcommittee are Suzanne Blackburn, John Bingham, and H.N. Cheng. The Committee is grateful to the members who provided a valuable service to the profession by completing and returning the survey.

This report was written by Michael Heylin, Editor-at-Large, *C&EN*. Mary W. Jordan, senior research analyst of ACS' Department of Career Services, conducted the survey and produced the data for the tables. She was ably assisted by program assistants, Kemie Smith and Pamela Steiner and intern, Gary Quiming.

James Long
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PREFACE

THE AMERICAN CHEMICAL SOCIETY is dedicated to providing programs and activities to facilitate the career development of chemical professionals and has a long history of effectively reporting on professional chemical employment. The ACS Committee on Economic and Professional Affairs (CEPA) is charged with fostering ongoing improvements in the economic and professional status of chemical scientists. To carry out this mission, CEPA conducts periodic fact-finding studies on supply and demand, compensation, and other matters that affect the economic status of the chemical profession and monitors the state of the economic and professional affairs of chemical scientists.

CEPA works with the ACS Department of Career Services (DCS) to provide programs, services, and publications to assist chemists in making career decisions. In particular, CEPA directs the development of work force studies about employment and industry trends and issues that affect the chemical profession. The published study reports are intended to provide hard data on the salaries and employment of chemists, to give an overview of trends in the chemical enterprise and to guide chemists to areas of emerging technologies and employment opportunities.

Because the decade leading up to the turn of the 21st Century was a very fluid time for the chemical profession, it is now more important than ever for chemists to have essential information about hiring trends and employment figures. During the decade of the 1990's, chemists saw both the highest and lowest unemployment rates in 30 years. Diversity in the workforce grew rapidly. Employment for chemists in basic chemical manufacturing declined, while employment in pharmaceuticals climbed to the number one employer for chemists in business and industry. The introduction of new technologies increased dramatically.

Throughout these turbulent times for chemists, CEPA has been conducting studies and publishing a series of reports to give chemical practitioners a broad and detailed picture of employment in the chemical profession as it moved through the 1990s and into a changing and exciting era. A list of the most recent employment studies available from the ACS are listed on the inside back cover of this publication.

SUMMARY

THIS REPORT PRESENTS RESULTS and analysis of a survey of the salaries and employment status of American Chemical Society members who were in the domestic workforce as of March 1, 2000. As the survey polled the entire target population of more than 94,000 such members, it was really a census. Hence the title, ChemCensus 2000.

In recent years, ACS has conducted such a census every fifth year. In the intermediate years, smaller annual surveys are based on data gathered from random samples of about 20% of working members.

ChemCensus 2000 is based on a four-page questionnaire that has changed very little over the past decade. As a result, almost all data from the 1990, 1995, and 2000 censuses can be compared directly to trace the fortunes of chemical professionals over what turned out to be, for them, a lively and sometimes surprising decade.

ACS defines the workforce as those with full- or part-time jobs, on postdocs or fellowships, or unemployed but seeking employment. Excluded are the fully retired and those otherwise unemployed but not seeking employment.

The snapshot of the U.S. chemical community that ChemCensus 2000 presents is of a median base salary of $70,000 for chemists with permanent full-time permanent jobs – with bachelors at a median of $53,100, masters at $62,000, and doctorates at $79,000. It is also a snapshot showing 92.9% of ACS members in the workforce with full-time jobs, 3.0% working part-time, 2.1% on postdocs or fellowships, and 2.0% without a job but looking for one.

Comparisons of the results from the past three censuses indicate that:

- The median salary for ACS members with permanent full-time jobs has grown at a 3.5% average annual rate since 1990. This is the growth rate for all working chemists as a group. It is 0.7% higher than the 2.8% annual increase in the cost of living for the period. The median year-to-year salary gain for chemists as individuals has been substantially higher, hovering throughout the decade at close to 5%, more than 2% higher than inflation. [The median salary is that which is equaled or exceeded by one half of survey respondents. Medians avoid the distortions that relatively few very high salaries can bring to means.]

- The overall salary advantage that male chemists, as a group, have traditionally held over their female colleagues is declining, especially for the lower age brackets. However, women are still disproportionately clustered in the lower paying activities of the chemical profession.

- The job market for chemists may be undergoing some fundamental shifts as it adjusts to the new high-tech economy. As measured by the censuses, it was not as strong in early 2000 – when the longest economic expansion in U.S. history was still running at full bore – as it had been ten years earlier. However, it was substantially better than it had been in 1995, when it was surprisingly weak.

... Almost all data from the 1990, 1995, and 2000 censuses can be compared directly to trace the fortunes of chemical professionals over what turned out to be, for them, a lively and sometimes surprising decade.

- There have been shifts in where chemists work, what they do, and what type of job they have. These include a considerable drift of chemists' jobs from chemical to drug manufacturing and a decline in chemical jobs in the Federal government. And there are trends toward more part-time work, especially for women, and toward more temporary, as opposed to permanent, full-time jobs, especially in academia.

- The demographics of the chemical workforce have undergone dramatic and irreversible change toward greater diversity over the past decade with more women, more minorities, and more foreign born. And such changes will continue apace for the foreseeable future. Another major change over the decade has been a four-year increase in the median age of the chemical workforce.

Mechanics of the Census

For the 2000 census, 94,100 questionnaires were mailed. Just over 47,800 were returned for a response rate of 51%. This compares with 93,500, with a 53% response rate, in 1995 and 88,810, with a 44% response, in 1990.

SURVEY

ACS MEMBERS	YEAR 1990	1995	2000
QUESTIONNAIRES MAILED	88,810	93,500	94,100
TOTAL RESPONSE	39,320	49,861	47,831
NOT SEEKING	527	1,346	2,244
TOTAL WORKFORCE	38,793	48,515	45,587
CHEMIST RESPONSE	34,620	45,314	43,947
NOT SEEKING	396	1,178	2,003
CHEMICAL WORKFORCE	34,224	44,136	41,944
NON-CHEMICAL WORKFORCE	4,569	4,379	3,643

Of the year 2000 responses, 2,200 were from retirees or others not employed and not seeking employment. This left 45,600 responses from members actually in the workforce. Of these, 41,900 were chemists.

Chemists are defined as those who fall into either of two categories. One is those who identify any one of 15 chemical sub-disciplines or specialties – such as analytical chemistry, biochemistry, and chemical education – enumerated in the survey questionnaire as being the most closely related to their current or most recent job. The other category is those who have their highest degree in chemistry and identify business administration, computer science, law, or "other non-chemistry" activities as their specialty. All those who identify chemical engineering as their specialty are considered as chemical engineers, even if their highest degree is in chemistry. Their data are analyzed separately.

Almost all the employment, salary, and demographic trends noted in this report are derived from comparison of data from the censuses. The huge database gathered for these studies and the greater time interval between them render the trends they reveal more consistent and credible than such changes derived from the year-to-year comparisons of data that involve surveys using 20% random samples. This is especially true for subsets of the chemical workforce.

Analysis involving the smaller yearly surveys can yield quite erratic results in some cases. For instance, comparison of the date from the 1999 and 1998 surveys indicated that the median salary gain for chemists with permanent full-time jobs was 5.7% for masters as a group but only 1.0% for bachelors. It also indicated a 6.9% increase for chemists in government but only 1.9% for those in academia. A parallel comparison of 2000 and 1999 survey data reverses all these differences, with masters 2000 salaries up only 1.6% from 1999, bachelors up an apparent 6.0%, government chemists up only 2.2% and academic chemists up 5.5%.

DEMOGRAPHICS

THE DEMOGRAPHIC DATA AND TRENDS revealed by the censuses are interesting and important in their own right. In addition, many of them are essential to making sense of the data on salary and employment and putting them into proper context.

CHEMISTS BY SEX/DEGREE/EMPLOYER

	WORKFORCE CHEMISTS	YEAR 1990	1995	2000
SEX	MALE	81.5%	78.4%	75.2%
	FEMALE	18.5	21.6	24.8
HIGHEST DEGREE	BACHELORS	24.3%	24.2%	21.9%
	MASTERS	17.2	16.8	17.2
	DOCTORATE	58.2	58.6	59.9
	OTHER	0.4	0.4	1.1
EMPLOYER	INDUSTRY	59.0%	60.5%	62.3%
	GOVERNMENT	9.1	8.2	7.4
	OTHER NON-ACADEMIC	7.3	3.6	4.6
	ACADEMIC	24.6	27.6	25.7

For some broad parameters, the demographics of the chemical workforce were reasonably stable throughout the 1990s. By degree level, the breakdown held close to 23% bachelors, 17% masters, and 59% doctorates, and 1% other. By employer, the pattern held fairly steady with a slight rise in those working for industry, to 62% in 2000, and a dropping back of the numbers in academia to 26% from an unusually high 28% in 1995 – a tough year for the chemical profession with many postdocs having to hang on to their positions, unable to find full-time jobs.

Age

Of the demographic changes that have occurred, one of the most striking is the increase in the age of working chemists. Those responding to the 2000 census had a mean age of 44.8. This was up from 41.3 for 1990 respondents. The median age moved up from 41 to 45.

Such a rapid rate of aging, if real and if continued, would have serious implications for career prospects and career paths in chemistry. And indications are that the 1990s increase was mostly real and not due to a statistical quirk. For instance, results from ACS surveys show that demand for chemists was at a low ebb for several years in the mid-1990s. This stemmed the flow of new graduates into the workforce, thus tending to push up its overall age.

Probably a larger factor, and one that transcends chemistry, is the passage of the baby boomers – those born between about 1947 and 1964 – as they age and move up

CHEMISTS BY MEAN AND MEDIAN AGE

	WORKFORCE CHEMISTS	MEAN AGE YEAR 1990	MEAN AGE YEAR 1995	MEAN AGE YEAR 2000	MEDIAN AGE YEAR 1990	MEDIAN AGE YEAR 1995	MEDIAN AGE YEAR 2000
	ALL CHEMISTS	41.3	43.3	44.8	41	42	45
SEX	MALE	42.6	44.6	46.3	42	44	46
SEX	FEMALE	36.3	38.7	40.4	35	37	39
HIGHEST DEGREE	BACHELORS	37.5	39.3	40.9	35	38	41
HIGHEST DEGREE	MASTERS	41.2	43.3	44.6	41	43	45
HIGHEST DEGREE	DOCTORATE	42.9	45.0	46.2	43	45	46
EMPLOYER	INDUSTRY	39.9	42.1	43.3	39	41	43
EMPLOYER	GOVERNMENT	42.1	45.0	47.1	40	45	48
EMPLOYER	OTHER NON-ACADEMIC	41.8	45.6	48.9	48	46	50
EMPLOYER	ACADEMIC	44.2	44.9	46.9	46	45	47
RACE	WHITE	41.6	43.7	45.2	41	43	45
RACE	ASIAN	40.0	41.3	42.5	40	39	41
RACE	BLACK	39.1	41.5	42.8	39	40	43
RACE	AMERICAN INDIAN	39.9	41.9	43.7	39	43	42
RACE	OTHER	37.4	39.4	43.1	37	38	43
ETHNICITY	HISPANIC	38.5	39.9	41.9	37	38	41
ETHNICITY	NON-HISPANIC	41.5	43.4	44.8	41	42	45

through the workforce. According to the Bureau of Labor Statistics, the median age of the U.S. domestic labor force moved up from 36.4 in 1990 to 39.2 in 2000.

As far as chemistry is concerned, this boom is reflected in the consistently large bachelor chemistry graduating classes from the late 60s through the early 80s.

A review of ACS membership statistics would indicate that the aging of the chemical workforce has apparently not been due to any perturbation in the ability of ACS to attract and retain chemists, especially younger ones. Total ACS membership rose every year during the 1990s – bringing the total from 143,000 to 163,000 for a 14% gain. Recruitment was high by historic standards and reasonably steady, with between 10,700 and 14,800 new members every year. And the median age of newly recruited members remained at 28 or 29. In absolute numbers, the society had substantially more members under 36 years old in 2000, 36,300 than in 1995, 32,900.

The increase in the mean age was 5.0 years for government chemists, from 42.1 in 1990 to 47.1 in 2000. For industrial chemists the gain was 3.4 years, and for academics, 2.7 years. Men chemists remained close to six years older than women – a mean of 46.3 in 2000 versus 40.4 for women. This compares with 42.6 and 36.3 respectively in 1990.

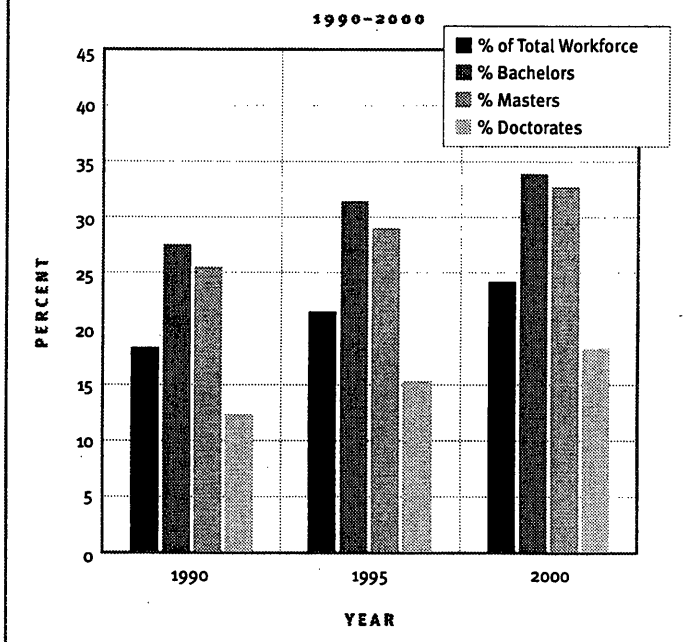
Gender

Another major change over the past 10 years has been in the increasing penetration of women into the chemistry profession. In 1990 women represented 18.5% of the workforce. By 2000, this was up to 24.8%. This increase is in line with data from the censuses and elsewhere indicating that throughout the decade about one in three of those entering the chemical profession – and about one in ten of those retiring from it – were women. Of bachelor chemists in the workforce, 28% were women in 1990. This was up to 34% by 2000. For masters, the gain was from 26% to 33%. For doctorates, it was from 12% to 18%.

CHEMISTS BY DEGREE/SEX

HIGHEST DEGREE	ALL WORKFORCE CHEMISTS			MEN			WOMEN		
	YEAR			YEAR			YEAR		
WORKFORCE CHEMISTS	1990	1995	2000	1990	1995	2000	1990	1995	2000
BACHELORS	24.2%	24.3%	21.9%	21.5%	21.2%	19.1%	36.5%	35.4%	30.6%
MASTERS	17.2	16.8	17.2	15.7	15.3	15.3	24.0	22.7	23.2
DOCTORATE	58.2	58.6	59.9	62.5	63.5	64.6	39.1	41.9	45.0
OTHER	0.4	0.4	1.1	0.4	0.3	1.0	0.4	0.5	1.1
TOTAL	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

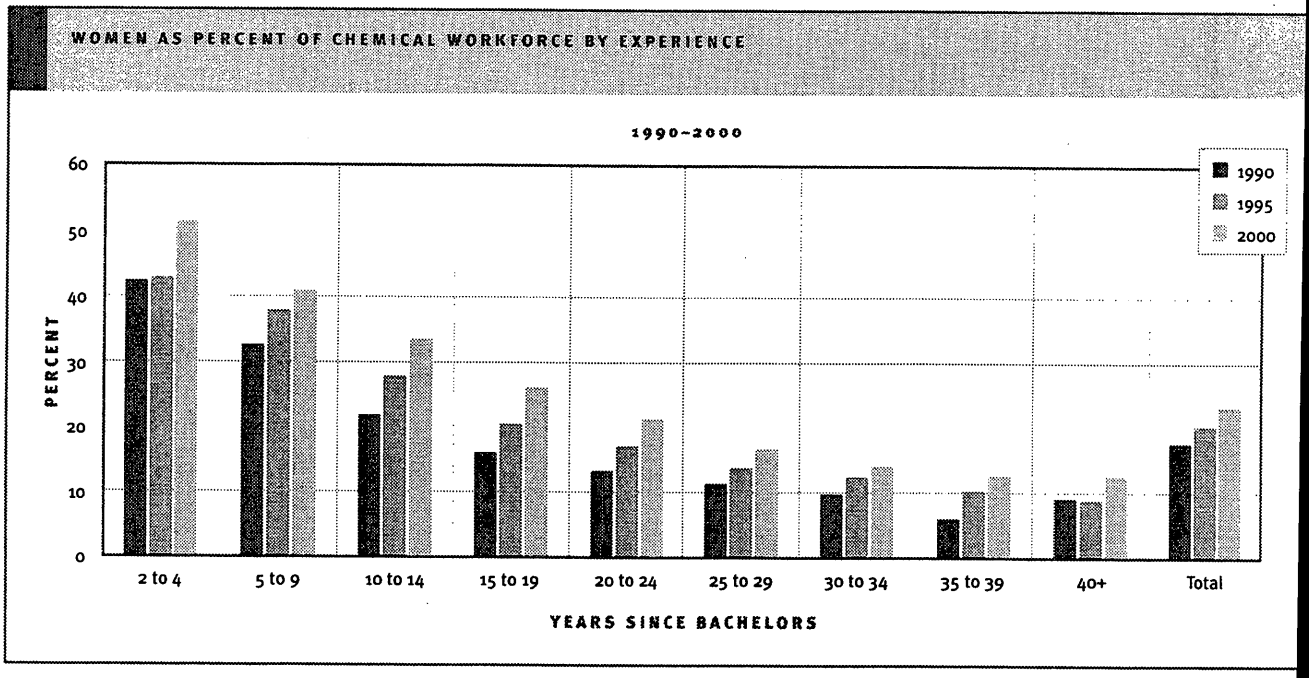
WOMEN AS PERCENT OF CHEMICAL WORKFORCE BY DEGREE



The demographics indicate that further advance of women into the chemical profession is inevitable and will continue for the foreseeable future. The influx of new graduates is continuing to become increasingly female. And for many years to come women will constitute a relatively very much lower – if slowly increasing – percentage of older chemists.

Today, women account for more than 40% of bachelors and masters graduating classes and more than 30% of new doctorates. And, according to ChemCensus 2000, 51% of workforce chemists who are two to four years beyond their bachelor degree are women, as are 41% of those five to nine years beyond their bachelors. In 1990, these levels were 42% and 33%, respectively.

At the other end of the career path, women make up only about 13% of chemists 30 or more years beyond their bachelor degrees in 2000 and so nearing retirement.



CHEMISTS BY DEGREE/EXPERIENCE

YEARS SINCE BACHELORS	WORKFORCE CHEMISTS	DEGREE: BACHELORS	DEGREE: MASTERS	DEGREE: DOCTORATE	% OF TOTAL
	2 TO 4	93%	7%	0%	3.4%
	5 TO 9	46	24	30	8.6
	10 TO 14	24	17	59	13.5
	15 TO 19	18	17	65	16.2
	20 TO 24	22	18	60	14.6
	25 TO 29	19	20	61	13.4
	30 TO 34	14	19	67	12.7
	35 TO 39	10	15	75	11.0
	40+	10	13	77	6.5

Although blacks remain grossly under represented, they made progress in absolute terms during the decade, moving from 1.3% to 1.9%. The number of American Indians responding to ACS censuses has actually declined – from 120, or 0.4%, in 1990 to 78, or 0.2%, in 2000. According to the Bureau of the Census, 4.0% of the U.S. population is Asian. This is up from 3.0% in 1990. Blacks have edged up – from 12.2% to 12.8%, as have American Indians, from 0.8% to 0.9%.

The growing Asian chemical workforce is particularly well qualified – 74% hold doctorates, only 10% are bachelors. An unusually high 6.6% are on postdocs and a high 69% work for industry. And this workforce is here to stay – 58% are U.S. citizens, 28% on permanent resident visas, and only 14% are on other visas.

The chemical workforce has also become a little more ethnically diverse. In response to a question separate from the

Diversity

During the 1990s the white non-Hispanic male share of the chemical workforce tumbled from 74% to 64%. In addition to the increasing numbers of women, this change has been propelled by a dramatic influx of racial minorities – mostly Asians – into the chemical profession and workforce.

The 1990 census revealed that the domestic chemical workforce included an already disproportionately high 6.3% Asians. By 2000, this had surged to 11.0%.

CHEMISTS BY RACE/CITIZENSHIP/SEX

		ALL WORKFORCE CHEMISTS: YEAR 1990	ALL WORKFORCE CHEMISTS: YEAR 1995	ALL WORKFORCE CHEMISTS: YEAR 2000	MEN: YEAR 1990	MEN: YEAR 1995	MEN: YEAR 2000	WOMEN: YEAR 1990	WOMEN: YEAR 1995	WOMEN: YEAR 2000
RACE	WHITE	91.0%	85.8%	85.6%	91.4%	86.5%	86.4%	89.5%	83.5%	83.1%
RACE	ASIAN	6.3	10.3	11.0	6.2	9.9	10.4	6.7	11.4	12.7
RACE	BLACK	1.3	1.4	1.9	1.1	1.2	1.6	2.1	2.2	2.8
RACE	AMERICAN INDIAN	0.4	0.2	0.2	0.3	0.2	0.2	0.5	0.2	0.3
RACE	OTHER	1.0	2.3	1.3	1.0	2.2	1.4	1.0	2.7	1.1
ETHNICITY	HISPANIC	1.4%	2.2%	2.6%	1.3%	2.0%	2.2%	2.0%	3.0%	3.6%
CITIZENSHIP	NATIVE	87.7%	82.3%	79.5%	87.5%	82.5%	80.0%	88.8%	81.8%	78.2%
CITIZENSHIP	NATURALIZED	7.1	8.5	10.2	7.1	8.2	9.8	7.4	9.3	11.6
CITIZENSHIP	PERMANENT RESIDENT	3.9	7.1	6.9	4.1	7.2	6.9	3.0	6.7	6.8
CITIZENSHIP	OTHER VISA	1.3	2.1	3.4	1.3	2.0	3.4	0.9	2.3	3.3

question on race, 1.4% of respondents to ACS's 1990 census identified themselves as Hispanic. In 2000, 2.6% did. The Census Bureau puts Hispanics at 12.5% of the U.S. population today. This is up from 9.0% in 1990.

Citizenship is another parameter along which the profession of chemistry of chemistry has become more diverse. In 1990, 12.3% of working chemists were not native-born Americans. By 2000 this was up to 20.5%. Big gains were posted by naturalized Americans, from 7.1% to 10.2%; by those on permanent visas, from 3.9% to 6.9%; and by those on other visas, from 1.3% to 3.4%. The 2000 total of 20.5% foreign born working chemists compares with 9.5% foreign born for the U.S. population.

Degree Field and Work Specialty

Response to a question asking for the field of the highest degree showed little variation over the 1990s. It identified the same six fields at the top of the ranking – and in essentially the same order – for the 1990, 1995, and 2000 censuses. Top was organic chemistry, which was at 27% in 2000. Following were general chemistry, 13%; physical and analytical chemistry, both at 11%; Biochemistry/Biotech and inorganic chemistry were at 9%. Analysis of responses to a parallel question using the same fields of chemistry but asking for identification of primary work specialty also revealed some stability. For instance, analytical chemistry was at the top, hovering in the 18 to 19% range for all three surveys. Second was organic chemistry at 12 to 13%. However, there was a distinct upturn for medicinal/pharmaceutical chemistry which moved up from 5% in 1990 to third place at almost 10% in 2000.

The 2000 work specialty data are not strictly comparable to the data from 1995 and 1990. The 2000 question offered an additional option – chemical education. It was chosen by 6.5% of respondents, thus depressing other responses somewhat and in an unknown way.

Analysis of the work specialty data illustrates how the progress made by women has not been uniform throughout the chemical profession. A high of 36% of those who identify chemical education as their work specialty are women, while a low of 16% of both physical chemists and organic chemists are women.

Women are also represented relatively well in biochemistry and analytical chemistry, where they comprise 31% and 29%, respectively, of the workforce. Joining physical and organic chemistry at the male-dominated end of the spectrum are polymer chemistry and materials science, both at 17% female, while inorganic chemistry is at 19%.

Data from ChemCensus 2000 confirms that chemists with their highest degree in a more specialized chemical field are more likely to work in the same field than are those with a degree in a core chemical discipline to work in theirs.

CHEMISTS BY FIELD OF HIGHEST DEGREE

FIELD OF HIGHEST DEGREE WORKFORCE CHEMISTS	YEAR 1990	1995	2000
ORGANIC CHEMISTRY	24.7%	26.1%	26.7%
GENERAL CHEMISTRY	15.0	15.0	12.8
PHYSICAL CHEMISTRY	11.3	11.5	11.0
ANALYTICAL CHEMISTRY	10.7	11.7	11.2
BIOCHEMISTRY/BIOTECHNOLOGY	8.1	8.4	8.8
INORGANIC CHEMISTRY	7.8	8.3	8.7
OTHER	22.4	19.0	20.8

At the top of this ranking is environmental chemistry. Apparently 63% of those trained as environmental chemists end up working in the field. Also high are polymer chemistry and chemical education, both at 62%, and analytical chemistry at 59%. These rates compare with organic chemistry, 37%, physical chemistry, 31%, and inorganic chemistry 27%.

CHEMISTS BY WORK SPECIALTY

	WORKFORCE CHEMISTS	YEAR 1990	1995	2000
CHEMISTRY	ANALYTICAL CHEMISTRY	18.6%	19.4%	18.0%
	ORGANIC CHEMISTRY	13.4	13.5	11.8
	MEDICINAL/PHARMACEUTICAL	5.4	7.3	9.6
	POLYMER CHEMISTRY	9.3	8.7	8.4
	ENVIRONMENTAL CHEMISTRY	8.0	8.7	7.0
	CHEMICAL EDUCATION	—	—	6.5
	BIOCHEMISTRY	6.2	6.1	5.3
	PHYSICAL CHEMISTRY	6.3	6.0	4.8
	MATERIALS SCIENCE	4.3	4.1	4.7
	BIOTECHNOLOGY	2.1	2.8	3.4
	INORGANIC CHEMISTRY	4.4	4.2	3.4
	AG/FOOD CHEMISTRY	3.1	3.0	3.1
	GENERAL CHEMISTRY	5.6	5.4	2.8
	CLINICAL CHEMISTRY	1.2	1.0	0.8
	OTHER CHEMISTRY SCIENCES	2.5	2.3	2.7
NON-CHEMISTRY	BUSINESS ADMINISTRATION	3.4%	1.8%	1.7%
	COMPUTER SCIENCE	—	1.1	1.1
	LAW	—	0.5	0.6
	OTHER NON-CHEMICAL	6.3	3.9	4.2

CHEMISTS WITH WORK SPECIALTY SAME AS HIGHEST DEGREE

HIGHEST DEGREE	WORKFORCE 2000 CHEMISTS	% WORKING IN SAME SPECIALTY
	ENVIRONMENTAL CHEMISTRY	63%
	CHEMICAL EDUCATION	62
	POLYMER CHEMISTRY	62
	ANALYTICAL CHEMISTRY	59
	AG/FOOD CHEMISTRY	54
	MEDICINAL/PHARMACEUTICAL	54
	MATERIALS SCIENCE	53
	CLINICAL CHEMISTRY	48
	BIOTECHNOLOGY	42
	BIOCHEMISTRY	37
	ORGANIC CHEMISTRY	34
	PHYSICAL CHEMISTRY	31
	INORGANIC CHEMISTRY	27
	GENERAL CHEMISTRY	10

CHEMISTS BY WORK SPECIALTY

	WORKFORCE 2000 CHEMISTS	ALL CHEMISTS	MEN	WOMEN	WOMEN AS % OF TOTAL IN SPECIALTY
CHEMISTRY	ANALYTICAL CHEMISTRY	18.0%	16.8%	21.6%	29%
	ORGANIC CHEMISTRY	11.8	13.0	7.9	16
	MEDICINAL/PHARMACEUTICAL	9.6	9.6	9.7	24
	POLYMER CHEMISTRY	8.4	9.3	5.9	17
	ENVIRONMENTAL CHEMISTRY	7.0	6.8	7.5	26
	CHEMICAL EDUCATION	6.5	5.5	9.5	36
	BIOCHEMISTRY	5.3	4.8	6.6	31
	PHYSICAL CHEMISTRY	4.8	5.3	3.1	16
	MATERIALS SCIENCE	4.7	5.2	3.3	17
	BIOTECHNOLOGY	3.4	3.4	3.5	25
	INORGANIC CHEMISTRY	3.4	3.7	2.8	19
	AG/FOOD CHEMISTRY	3.1	3.0	3.4	26
	GENERAL CHEMISTRY	2.8	2.5	3.6	32
	CLINICAL CHEMISTRY	0.8	0.8	0.9	27
	OTHER CHEMISTRY SCIENCES	2.7	2.6	3.0	17
NON-CHEMISTRY	BUSINESS ADMINISTRATION	1.7%	2.0%	1.1%	15%
	COMPUTER SCIENCE	1.1	1.2	1.0	21
	LAW	0.6	0.5	0.6	25
	OTHER NON-CHEMICAL	4.2	4.0	5.1	29
	TOTAL	100%	100%	100%	

Data from ChemCensus 2000 confirms that chemists with their highest degree in a more specialized chemical field are more likely to work in the same field than are those with a degree in a core chemical discipline to work in theirs.

Work Function

The raw census data on work function suggest there has been a strong trend toward analytical work and away from research activities for non-academic chemists since 1990. However, these apparently large shifts may be largely due to one of the few changes in the questionnaire.

The only analytical-related work function offered as an option in the 1990 questionnaire was "Forensics and other lab analysis" and 4.5% of respondents chose it. In 1995 this was broken into two options – "Forensics" and "Other lab analysis." These garnered responses of 0.8% and 6.0%, respectively, for a total of 6.8%.

In 2000, the "Other lab analysis" option was replaced with "Analytical services." This received a 14.4% response. "Forensics" held steady at 0.8% for an analytical-related total of 15.2%. It is likely that the more inclusive nature of the phrase "Analytical services" had a lot to do with the big response it garnered.

Be that as it may, the additional 10.7% of non-academic chemists now identifying themselves as being primarily involved in analytical work had to come from somewhere. Possibly not too many of them came from the applied research function, which remained by far the biggest and actually increased its share marginally from 32.6% in 1990 to 33.7% in 2000.

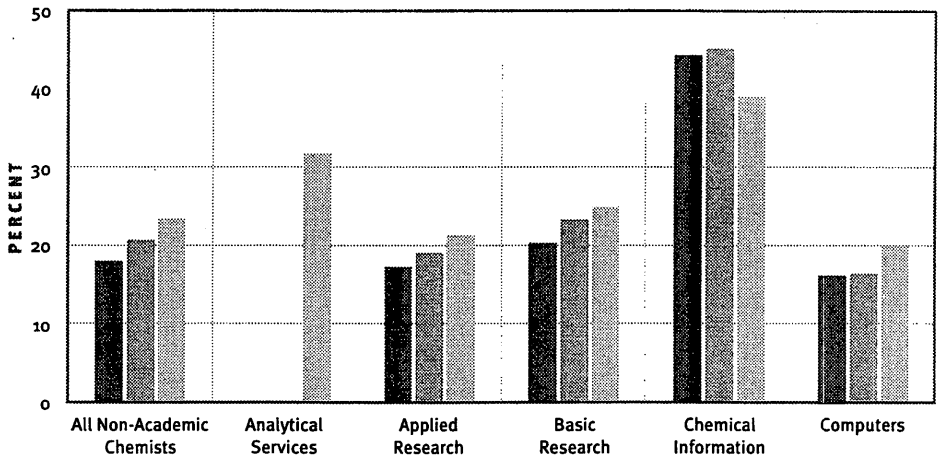
The categories that apparently declined the most over the decade were basic research, from 12.6% to 7.9%, and R&D management, from 14.6%

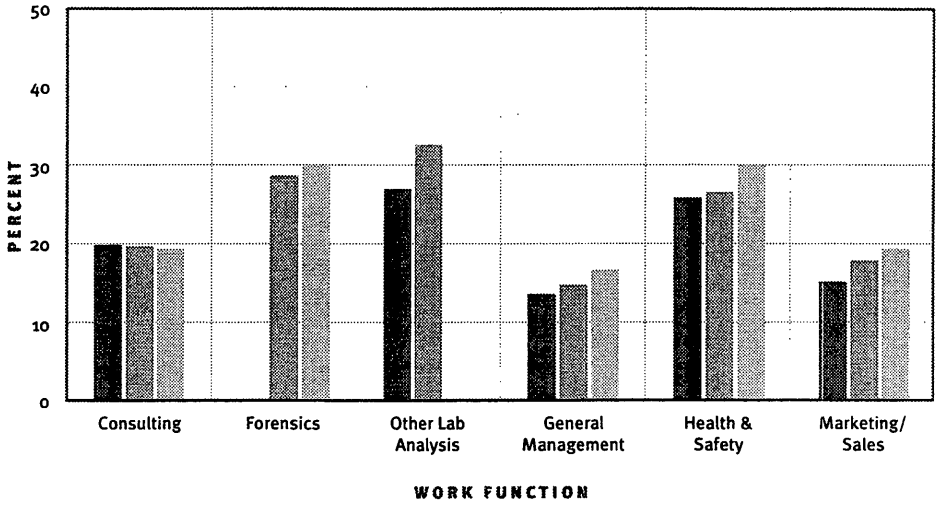
CHEMISTS BY WORK FUNCTION

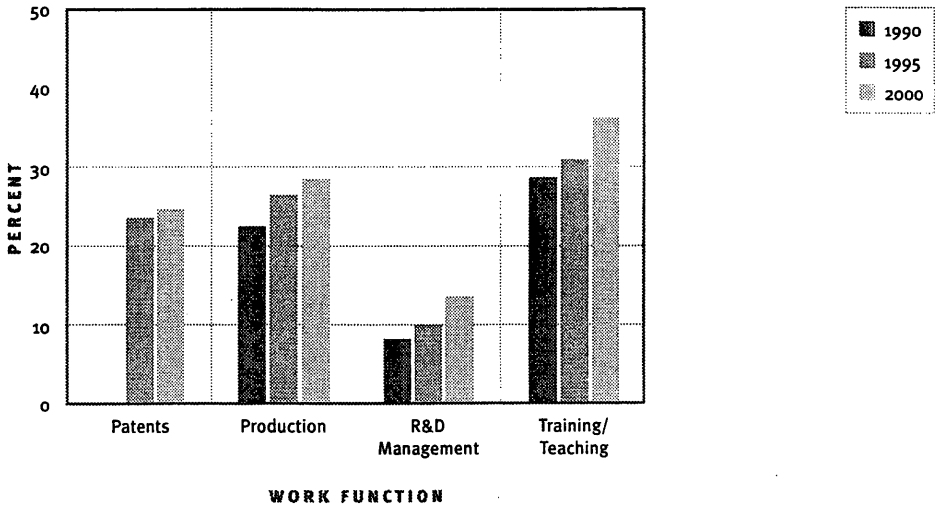
WORK FUNCTION: WORKFORCE NON-ACADEMIC CHEMISTS	ALL NON-ACADEMIC CHEMISTS YEAR			MEN YEAR			WOMEN YEAR		
	1990	1995	2000	1990	1995	2000	1990	1995	2000
APPLIED RESEARCH	32.6%	34.1%	33.7%	32.9%	34.8%	34.7%	31.2%	31.4%	30.6%
FORENSICS AND OTHER LAB ANALYSIS	4.6	–	–	4.1	–	–	6.7	–	–
ANALYTICAL SERVICES	–	–	14.4	–	–	12.8	–	–	19.5
FORENSICS	–	0.8	0.9	–	0.8	0.8	–	1.1	1.2
OTHER LAB ANALYSIS	–	6.0	–	–	5.1	–	–	9.3	–
R&D MANAGEMENT	14.6	13.0	10.8	16.4	14.8	12.2	6.6	6.5	6.2
BASIC RESEARCH	12.6	11.3	7.9	12.3	10.9	7.7	14.1	12.6	8.3
PRODUCTION	8.7	8.7	7.7	8.3	8.1	7.2	10.8	11.1	9.2
GENERAL MANAGEMENT	7.4	6.8	5.4	7.8	7.3	5.9	5.6	4.8	3.8
MARKETING/SALES	5.5	5.3	4.7	5.7	5.5	5.0	4.6	4.5	3.9
HEALTH/SAFETY	4.5	4.2	3.3	4.1	3.9	3.0	6.3	5.3	4.2
CONSULTING	2.9	2.9	3.3	2.8	3.0	3.3	3.2	2.7	2.6
CHEMICAL INFORMATION	1.2	1.2	1.3	0.8	0.8	1.0	2.8	2.6	2.2
COMPUTERS	0.9	0.8	1.2	0.9	0.8	0.8	0.8	0.6	1.0
PATENTS	–	0.6	0.9	–	0.6	1.2	–	0.7	0.9
TRAINING/TEACHING	0.4	0.3	0.5	0.3	0.3	0.4	0.6	0.5	0.8
OTHER	3.4	4.0	4.2	3.1	3.4	3.7	4.9	6.2	5.8

WOMEN AS PERCENT OF NON-ACADEMIC CHEMICAL WORKFORCE

1990–2000







to 10.8%. Just how much of this big decline in non-academic research activity is due to respondents switching to the "Analytical services" category cannot be known with certainty, but part of it must be. With the large applied research category essentially stable, the remaining work function categories are too small to accommodate the almost 11% increase between 1990 and 2000 in those identifying with an analytical function in 2000.

It should also be noted that a major increase during the 1990s in the percentage of non-academic chemists who primarily function as chemical analysts would be at variance with other data from the censuses. There was no real growth in the percentage of those with analytical chemistry as their highest degree and an actual decline in those identifying analytical chemistry as their work specialty. Also, the percentage of those indicating they worked for an analytical laboratory dipped from 4.4% in 1995 to 3.4% in 2000.

Women tend to be more concentrated in the lab and teaching functions. At the same time, they are less concentrated in management areas.

WOMEN AS PERCENT OF ACADEMIC CHEMICAL WORKFORCE

	WORKFORCE ACADEMIC CHEMISTS	% WHO ARE WOMEN YEAR 1990	1995	2000
	ALL ACADEMIC CHEMISTS	18.2%	22.7%	26.0%
RANK	FULL PROFESSORS	6.7%	8.6%	11.8%
RANK	ASSOCIATE PROFESSORS	18.0	19.9	25.8
RANK	ASSISTANT PROFESSORS	25.2	28.9	34.2
RANK	INSTRUCTORS/ADJUNCT	38.3	48.4	45.6
RANK	RESEARCH APPOINTMENT	24.2	26.2	26.8
STATUS	WITH TENURE	10.9%	13.2%	17.8%
STATUS	TENURE TRACK	23.3	24.7	33.8
STATUS	NOT TENURE TRACK	31.6	35.7	35.9
STATUS	NOT APPLICABLE	29.3	32.3	34.0

Academia

The major demographic change in academia in the 1990s has been the increase in the representation of women – from 18.2% of all chemists in academia in 1990 to 26.0% in 2000. This growth is reflected in the percentage of all full chemistry professors who are women – up from 7% in 1990 to 12% in 2000. Similarly, the percentage of tenured chemists who are women has grown, from 11% to 18%. And there is a guarantee of further progress in the increasing number of women on the tenure track level – up from 23% of the total in 1990 to 34% in 2000.

However, despite these gains in absolute numbers, women in academic chemistry, as a group, aren't a lot better off today than they were in 1990. Over the decade – which, in general, was a difficult one for academic chemistry with slow hiring and wage freezes on many campuses – the status of both men and women academics changed little. This left women at their traditional disadvantage.

For instance, in 1990 41% of academic chemists were full professors – 47% of the men and 15% of the women. By 2000, the overall rate had slipped to 35%, with men falling to 42% and women posting a marginal gain to a still very much lower 16%. Tenure showed the same pattern with the percentage of men who are tenured dropping from 62% to 57% but remaining much higher than for women who posted a small gain of from 34% to 36%.

CHEMISTS BY STATUS IN ACADEMIA/SEX

	WORKFORCE ACADEMIC CHEMISTS	ALL ACADEMIC CHEMISTS YEAR 1990	ALL ACADEMIC CHEMISTS YEAR 1995	ALL ACADEMIC CHEMISTS YEAR 2000	MEN YEAR 1990	MEN YEAR 1995	MEN YEAR 2000	WOMEN YEAR 1990	WOMEN YEAR 1995	WOMEN YEAR 2000
INSTITUTION	AA-GRANTING	6%	7%	7%	6%	6%	7%	9%	10%	10%
	BACHELOR-GRANTING	21	20	22	21	19	21	24	21	24
	MASTERS-GRANTING	10	9	9	10	10	10	8	9	9
	DOCTORATE-GRANTING	50	50	44	52	53	47	41	42	34
	MEDICAL SCHOOL	7	8	9	7	9	9	8	8	8
	HIGH SCHOOL	5	5	7	3	4	5	11	10	12
	OTHER ACADEMIC	—	—	2	—	—	2	—	—	3
RANK	FULL PROFESSOR	41%	35%	35%	47%	41%	42%	15%	13%	16%
	ASSOCIATE PROFESSOR	15	13	14	15	14	15	15	12	14
	ASSISTANT PROFESSOR	14	13	15	13	12	13	20	17	20
	INSTRUCTOR	5	7	7	4	4	5	10	14	13
	RESEARCH APPOINTMENT	12	15	12	11	14	12	16	17	12
	OTHER NON-FACULTY	6	9	7	5	8	6	11	14	9
	NO RANK	7	8	3	6	6	2	13	13	3
	SECONDARY TEACHER	—	—	7	—	—	5	—	—	12
STATUS	TENURED	57%	49%	52%	62%	56%	57%	34%	28%	36%
	TENURE TRACK	15	13	15	14	12	13	19	17	19
	NOT IN TENURE TRACK	11	12	14	9	10	12	19	19	19
	NOT APPLICABLE	18	25	20	15	22	18	28	35	26

Marital Status

Women chemists remain more likely to be unmarried than men – 31.0% versus 15.8% in 2000. However, this difference is declining. In 1990, 38.2% of women and 17.5% of men were unwed.

And married women chemists remain much more likely than men to have a spouse who is a scientist – 56% of women compared with 29% of men.

CHEMISTS BY MARITAL STATUS

MARITAL STATUS	ALL WORKFORCE CHEMISTS			MEN			WOMEN		
	YEAR			YEAR			YEAR		
WORKFORCE CHEMISTS	1990	1995	2000	1990	1995	2000	1990	1995	2000
TOTAL NOT MARRIED	21.4%	21.1%	19.5%	17.5%	17.7%	15.8%	38.2%	33.6%	31.0%
NEVER MARRIED	15.4	15.1	13.3	12.6	12.6	10.8	27.5	24.2	21.2
PREVIOUSLY MARRIED	6.0	6.0	6.2	4.9	5.1	5.0	10.7	9.4	9.8
TOTAL MARRIED	78.7%	78.8%	80.4%	82.4%	82.3%	84.2%	61.7%	66.4%	68.9%
TO CHEMIST	10.3	11.5	12.6	8.4	9.4	10.4	18.5	19.3	19.7
TO NON-CHEMIST SCIENTIST	11.9	13.3	15.4	10.9	12.0	14.3	16.2	18.1	18.9
TO NON-SCIENTIST	56.5	54.0	52.4	63.1	60.9	59.5	27.0	29.0	30.3

Women chemists remain more likely to be unmarried than men – 31.0% [for women] versus 15.8% [for men] in 2000. However, this difference is declining.

SALARIES

SALARIES QUOTED IN THIS REPORT are base pay for respondents' primary job. Excluded is any extra professional income. Bonuses and income from consulting are reported separately. The full-time salaries quoted are for permanent jobs only.

Analyzing salary data for trends, as well as for meaningful comparisons among different subsets of the profession, is a tricky business. Salaries depend on a host of factors, some of them overlapping. The most important of these is experience. In ACS surveys, this is usually measured in terms of years since the bachelors degree. Also significant are highest degree; work function, especially the supervisory function; nature of employer; size of employer; geographic location; and, to a slowly decreasing extent, gender.

CHEMISTS BY MEDIAN SALARIES BY SEX/EMPLOYER/DEGREE

$ THOUSANDS

	WORKFORCE CHEMISTS	YEAR 1990	1995	2000
	ALL CHEMISTS	$49.7	$59.8	$70.0
SEX	MALE	$51.8	$62.0	$74.2
SEX	FEMALE	39.0	47.0	56.0
HIGHEST DEGREE	BACHELORS	$39.0	$45.3	$53.1
HIGHEST DEGREE	MASTERS	45.0	53.5	62.0
HIGHEST DEGREE	DOCTORATE	55.0	66.0	79.0
EMPLOYER	INDUSTRY	$52.0	$62.3	$74.5
EMPLOYER	GOVERNMENT	47.0	58.0	70.1
EMPLOYER	OTHER NON-ACADEMIC	48.3	60.0	73.0
EMPLOYER	ACADEMIC	43.0	50.0	56.8
EMPLOYER (BACHELORS)	INDUSTRY	$40.0	$47.0	$54.2
EMPLOYER (BACHELORS)	GOVERNMENT	37.8	45.0	54.0
EMPLOYER (BACHELORS)	OTHER NON-ACADEMIC	36.4	—	50.9
EMPLOYER (BACHELORS)	ACADEMIC	27.5	28.0	36.0
EMPLOYER (MASTERS)	INDUSTRY	$47.3	$57.4	$65.5
EMPLOYER (MASTERS)	GOVERNMENT	43.0	52.0	61.8
EMPLOYER (MASTERS)	OTHER NON-ACADEMIC	43.8	—	62.0
EMPLOYER (MASTERS)	ACADEMIC	34.6	40.0	45.8
EMPLOYER (DOCTORATE)	INDUSTRY	$60.0	$72.4	$86.2
EMPLOYER (DOCTORATE)	GOVERNMENT	55.0	66.0	80.0
EMPLOYER (DOCTORATE)	OTHER NON-ACADEMIC	59.2	—	82.2
EMPLOYER (DOCTORATE)	ACADEMIC	45.0	52.1	60.0

The Big Picture

The growth in the median salary for all chemists over the past decade needs particularly careful analysis. In the 2000 census, the median fo those with full-time permanent jobs of $70,000 wa 41% higher than the corresponding median of $49,700 from the 1990 census. Over the same perio the consumer price index for urban consumers ros 33%. This implies a useful 8% salary gain in excess of inflation for chemists as a group over the decade. However, this gain must be assessed with the four-year increase in the median age of the chemical workforce during the decade.

The rise in the median full-time salary for men as a group from 1990 to 2000 was 43% – from $51,800 to $74,200. This percentage gain was almost identical to that for women – from $39,000 to $56,000. The gain for all chemists as a group wa a lower 41%. This seeming anomaly is due to the increase in the percentage of the chemical workforce that is women, who, as noted, are younger than me and less well paid.

By degree, doctorates did the best over th decade with a 44% salary gain. Masters and bachelo chemists posted 38% and 36% increases respective

By type of employer, chemists working in industry are paid the highest with 2000 medians o $86,200 for doctorates, $65,500 for masters, and

ACADEMIC MEDIAN SALARIES ($ THOUSANDS) BY CONTRACT/RANK

MEDIAN SALARY — WORKFORCE 2000 CHEMISTS	9- TO 10-MONTH CONTRACT		11- TO 12-MONTH CONTRACT	
	SCHOOL		SCHOOL	
	NON-PH.D. GRANTING	PH.D. GRANTING	NON-PH.D.	PH.D. GRANTING
FULL PROFESSOR	$63.0	$85.1	$95.0	$106.1
ASSOCIATE PROFESSOR	48.4	56.0	70.0	66.2
ASSISTANT PROFESSOR	40.0	49.2	50.5	56.8

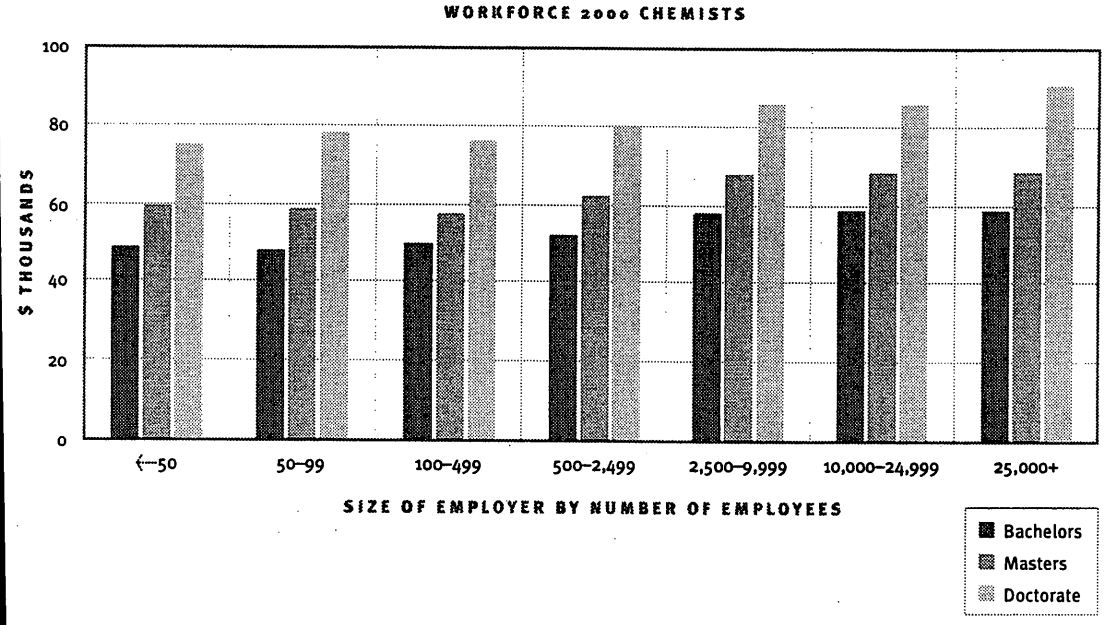
$54,200 for bachelors. Those in "other non-academic positions" were the second best paid with medians of $82,200, $62,000, and $50,900. This is a small rather heterogeneous grouping that includes the self-employed and those working for hospital or independent laboratories, non-profit organizations, or research institutions.

Salaries of government chemists rank third, but they are still quite close to those of industrial chemists. Trailing the field are chemists in academia. Salaries of full professors are quite competitive with higher level colleagues in industry and government. But the overall academic median is pulled down by the relatively poor pay of those on the lower rungs of the academic ladder.

ChemCensus 2000 indicates a median salary of $106,100 for full professors with 11-to-12 month contracts at Ph.D. granting schools. The corresponding median for assistant professors is $56,800.

There is a strong correlation between chemists' median salaries and the size of their employers. For instance, the 2000 medians for doctorates increased stepwise from $75,000 for those working for employers with fewer that 50 employees

CHEMICAL MEDIAN SALARIES BY SIZE OF EMPLOYER



to $90,600 for those working for operations with 25,000 or more employees. The parallel range for masters was from $59,300 to $68,100 and for bachelors of from $48,800 to $54,000.

The bare bones numbers indicate that, as a group, chemists working for government clearly made large gains from 1990 to 2000 with a 49% increase in their median full-time salary. However, again, this increase is partly due to an extraordinarily big 5.0-year increase in their mean age over the decade. This age gain is in line with the drive for smaller government and the slow federal hiring of scientists in recent years. This is reflected in the decline in the number of census respondents working in the federal government – from 8.3% of the chemical workforce in 1990 to 6.4% in 2000.

Academic chemists are at the other end of this salary increase/age increase axis. Their median salary, as a group, rose a smaller 32% between 1990 and 2000. However, the mean age of such chemists remained relatively steady – up only 2.7 years. Industrial chemists fall into the midrange with a 43% salary increase over the decade and a 3.4-year increase in mean age.

Women vs. Men

The median salaries from the 2000 census of $74,200 for men and $56,000 for women suggest that women still earn only a disturbing low 75% as much as men.

However, women chemists are on average about six years younger than men. Making allowance for this difference by applying the 3.5% annual increase in the median salaries that has prevailed since 1990, brings the median salary for women close to a more respectable 90% of that for men. And allowing for the fact that women are less likely than men to have a doctorate – 45% compared with 65% – would contribute toward closing the remaining gap further.

But this is not the entire story. An analysis of the work function of chemists shows that women are still under the handicap of an inability to share fully in the higher paying functions of the chemical profession. They remain disproportionately concentrated in the lower paying ones.

For example, according to ChemCensus 2000, the two highest paid functions for industrial doctoral chemists are general management, with a median salary of $110,200, and R&D management with a median of $108,900. These are the two areas in which women have made the least progress. Only 17% of general managers are women, as are 14% of R&D managers. On the other hand, chemical information, the lowest paid function, with a median

INDUSTRIAL MEDIAN SALARIES BY WORK FUNCTION

$ THOUSANDS

WORK FUNCTION — WORKFORCE INDUSTRIAL CHEMISTS	DEGREE: BACHELORS	MASTERS	DOCTORATE
ANALYTICAL SERVICES	$48.0	$60.0	$79.0
APPLIED RESEARCH	54.1	63.0	81.9
BASIC RESEARCH	48.8	62.0	86.0
CHEMICAL INFORMATION	54.0	64.0	74.5
COMPUTERS	60.5	70.0	85.0
CONSULTING	62.4	66.3	91.2
FORENSICS	45.0	—	—
GENERAL MANAGEMENT	72.1	86.0	110.2
HEALTH & SAFETY	60.0	72.9	91.3
MARKETING & SALES	67.2	76.4	86.4
PATENTS	—	—	107.7
PRODUCTION & QUALITY CONTROL	50.0	60.0	78.0
R&D MANAGEMENT	80.0	90.0	108.9
TRAINING	54.2	68.0	90.0

MEDIAN SALARY OF INDIVIDUAL CHEMISTS WITH SAME EMPLOYER

$ THOUSAND

	WORKFORCE 2000 CHEMISTS	YEAR 1999	YEAR 2000	PERCENT INCREASE
	ALL WORKFORCE CHEMISTS	$70.8	$74.8	5.6%
SEX	MEN	$70.8	$74.8	5.6%
SEX	WOMEN	52.8	56.0	6.1
HIGHEST DEGREE	BACHELORS	$50.5	$53.5	5.9%
HIGHEST DEGREE	MASTERS	59.5	62.0	4.2
HIGHEST DEGREE	DOCTORATE	75.0	79.3	5.7
EMPLOYER	INDUSTRY	$70.8	$75.0	5.9%
EMPLOYER	GOVERNMENT	67.0	70.5	5.2
EMPLOYER	OTHER NON-ACADEMIC	70.0	73.0	4.3
EMPLOYER	ACADEMIC	54.3	57.0	5.0

2000 salary of $74,500 for doctorates, is 39% women. The next lowest paid, analytical services at $79,000, is 32% women. This pattern is even stronger in academia where only 12% of full professors, who are relatively well paid, are women.

So, regardless of the progress that has been made, gender equality has not been fully realized in the chemical profession and won't be for another generation at least. For many years, starting salaries have been gender neutral. And near-equality for younger women chemists is slowly oozing up through the age and experience brackets. But it still has a way to go. Women chemists in mid- and later career – the time when the impact of promotions and job function comes into full effect – are still at a considerable salary disadvantage and will remain so, as a group, for the rest of their careers.

Salary Gains for Individuals

The year-to-year salary gains for chemists as individuals are garnered from responses to the question that asks respondents to every survey to give their salaries as of March 1 of both the current year and previous year. As such data cover both years and come from exactly the same set of respondents to the same survey, they yield a reliable and consistent measure of individual salary gains. This is true even for the smaller annual surveys.

Census 2000 indicates a median 5.3% 1999-2000 increase for bachelor chemists with the same employer both years.

MEDIAN ANNUAL SALARY INCREASES FOR INDIVIDUAL CHEMISTS WITH SAME EMPLOYER

	WORKFORCE CHEMISTS	1999–2000 SALARY INCREASE MEAN	1999–2000 SALARY INCREASE MEDIAN
	ALL WORKFORCE CHEMISTS	7.7%	4.9%
SEX	MEN	7.4%	4.8%
SEX	WOMEN	8.8	5.3
HIGHEST DEGREE	BACHELORS	8.3%	5.3%
HIGHEST DEGREE	MASTERS	7.4	4.8
HIGHEST DEGREE	DOCTORATE	7.6	4.8
EMPLOYER	INDUSTRY	7.8%	5.0%
EMPLOYER	GOVERNMENT	7.2	5.0
EMPLOYER	OTHER NON-ACADEMIC	11.2	5.7
EMPLOYER	ACADEMIC	7.2	4.2
AGE	20–29	12.7%	8.2%
AGE	30–39	9.5	5.9
AGE	40–49	7.2	4.9
AGE	50–59	5.8	4.2
AGE	60–69	5.1	3.8

For masters, the corresponding gain is 4.8% and for doctorates, 4.8%. These growth rates are very close to those from the 1999 survey – 5.3%, 4.8%, and 4.7% respectively – and from the 1998 survey – 5.1%, 4.8%, and 5.0%. This roughly 5% pace was the same as for the previous years of the decade.

Every year, this analysis indicates that the largest percentage salary increases for individuals come early and tend to taper off with age. For instance, ChemCensus 2000 indicates a median 8.2% 1999-2000 salary increase for 20 to 29 year-olds and a 3.8% increase for 60 to 69 year olds.

The simplest way to explain why year-to-year salary gains are consistently larger for chemists as individuals than for chemists as a group is to point out that the virtual median chemist respondent to the 1990 census was 41 years old. In 2000 the virtual median chemist was 45. However, real live chemists who were 41 years old in 1990 were 51 in 2000.

Another way of looking at it: Median salary increases for chemists as individuals give full credit for the gains due to their growing experience, skills, and responsibilities as they progress through their careers. Median salaries of groups of chemists don't do this

Salary by Experience

A superficial look at the data on the relationship between the median salary of chemists and their experience – as measured by years since bachelor degree – would suggest that older chemis earn twice as much as younger ones. The median for those two to four years beyond bachelors is $38,000. This compares with $82,500 for those 35 to 39 year beyond, a 117% gain.

However, a number of factors play a role in this 117% differential. For instance, the group of workforce chemists two-to-four years beyond their bachelors comprises 93% bachelors, 7% masters and 0% doctorates. The 35 to 39 year group is 10% bachelors, 13% masters, and 77% doctorates.

Making the comparison degree by degree gives a more realistic picture of the situation. For bachelors, the difference between the media of $37,300 in the two to four year group and the $70,000 f the 35 to 39 year group does still indicate a near doubling

However, the difference in the median for masters is between $49,100 for those in the five to nine year group – when most masters enter the workforce – and $70,000 for the 35 to 39 yea

MEDIAN INDUSTRIAL SALARIES BY EXPERIENCE

$ THOUSANDS

	WORKFORCE 2000 INDUSTRIAL CHEMISTS	YEARS SINCE BACHELORS DEGREE								
		2–4	5–9	10–14	15–19	20–24	25–29	30–34	35–39	40+
BACHELORS	ALL	$38.5	$45.0	$53.2	$61.4	$67.0	$70.0	$73.8	$70.8	$74.6
	MEN	38.6	45.5	54.0	63.3	69.0	71.0	76.0	74.6	75.5
	WOMEN	38.4	44.0	52.5	56.0	60.0	62.0	60.0	61.5	62.8
MASTERS	ALL	$47.2	$50.7	$57.0	$64.5	$70.1	$78.0	$80.0	$82.0	$74.0
	MEN	49.3	51.9	59.0	66.1	72.1	79.2	81.8	85.7	79.0
	WOMEN	44.5	49.8	54.9	61.4	64.6	72.0	76.0	70.0	62.9
DOCTORATE	ALL	–	$69.0	$73.6	$81.0	$90.4	$97.0	$100.0	$100.5	$93.5
	MEN	–	69.0	74.1	81.8	91.0	98.0	100.5	101.3	94.0
	WOMEN	–	69.1	72.0	78.0	89.0	92.0	91.2	83.0	85.0

experience group. This represents a 43% gain. For doctorates the difference between the ten to 14 year group – again, when most of them enter the workforce – and the veterans of the 35 to 39 year group is between $66,400 and $88,000 – an even more modest difference of 33%.

MEDIAN SALARIES BY EXPERIENCE

$ THOUSANDS

	WORKFORCE 2000 CHEMISTS	YEARS SINCE BACHELORS DEGREE								
		2–4	5–9	10–14	15–19	20–24	25–29	30–34	35–39	40+
	ALL WORKFORCE CHEMISTS	$38.0	$48.9	$60.0	$69.2	$75.0	$80.0	$83.0	$82.5	$81.5
SEX	MEN	$38.0	$50.0	$61.8	$71.0	$78.0	$82.6	$86.0	$85.7	$84.0
SEX	WOMEN	37.6	46.7	55.0	62.0	64.0	69.0	64.1	66.6	65.0
HIGHEST DEGREE	BACHELOR	$37.3	$44.0	$52.8	$60.0	$65.0	$67.3	$68.5	$70.0	$70.0
HIGHEST DEGREE	MASTERS	43.5	49.1	55.0	62.0	66.5	72.0	72.5	70.0	66.0
HIGHEST DEGREE	DOCTORATE	–	63.6	66.4	74.0	82.3	88.8	90.0	88.0	86.0
EMPLOYER	INDUSTRY	$39.0	$50.2	$65.0	$75.0	$81.0	$87.2	$92.0	$93.0	$85.9
EMPLOYER	GOVERNMENT	34.8	44.4	56.4	64.0	69.0	72.1	79.1	86.0	85.4
EMPLOYER	OTHER NON-ACADEMIC	33.1	44.5	63.0	67.0	75.0	75.8	84.0	84.7	80.0
EMPLOYER	ACADEMIA	30.0	39.0	43.5	48.9	54.1	59.4	64.0	70.8	77.6
PERCENTILE BY DEGREE	BACHELORS, 90%	$49.0	$58.0	$71.0	$84.0	$93.3	$100.0	$108.0	$113.0	$140.0
PERCENTILE BY DEGREE	75%	43.5	51.1	61.4	72.0	78.0	82.0	89.0	85.0	93.0
PERCENTILE BY DEGREE	50%	37.3	44.1	52.8	60.0	65.0	67.3	68.5	70.0	70.0
PERCENTILE BY DEGREE	25%	31.8	37.6	44.0	49.0	52.2	54.0	54.0	57.0	55.2
PERCENTILE BY DEGREE	10%	27.3	32.0	37.0	39.5	42.0	44.0	42.0	44.8	40.4
PERCENTILE BY DEGREE	MASTERS, 90%	$53.1	$61.0	$74.0	$87.1	$98.0	$104.6	$107.0	$112.0	$105.4
PERCENTILE BY DEGREE	75%	50.2	55.0	64.1	73.0	80.0	88.0	90.0	90.0	84.5
PERCENTILE BY DEGREE	50%	43.5	49.1	55.0	62.0	66.5	72.0	72.5	70.0	66.0
PERCENTILE BY DEGREE	25%	36.0	40.8	46.5	51.6	53.0	56.9	55.2	53.0	52.0
PERCENTILE BY DEGREE	10%	30.0	33.0	37.3	41.0	42.0	44.0	43.0	40.6	43.2
PERCENTILE BY DEGREE	DOCTORATE, 90%	–	$79.5	$86.5	$101.7	$119.4	$130.0	$137.0	$140.0	$136.0
PERCENTILE BY DEGREE	75%	–	72.6	77.4	87.0	99.8	106.9	110.0	110.0	109.0
PERCENTILE BY DEGREE	50%	–	63.6	66.4	74.0	82.3	88.8	90.0	88.0	86.0
PERCENTILE BY DEGREE	25%	–	46.0	49.1	57.5	65.0	69.7	69.5	68.0	66.5
PERCENTILE BY DEGREE	10%	–	37.0	38.8	44.2	48.0	50.5	50.2	53.5	53.0

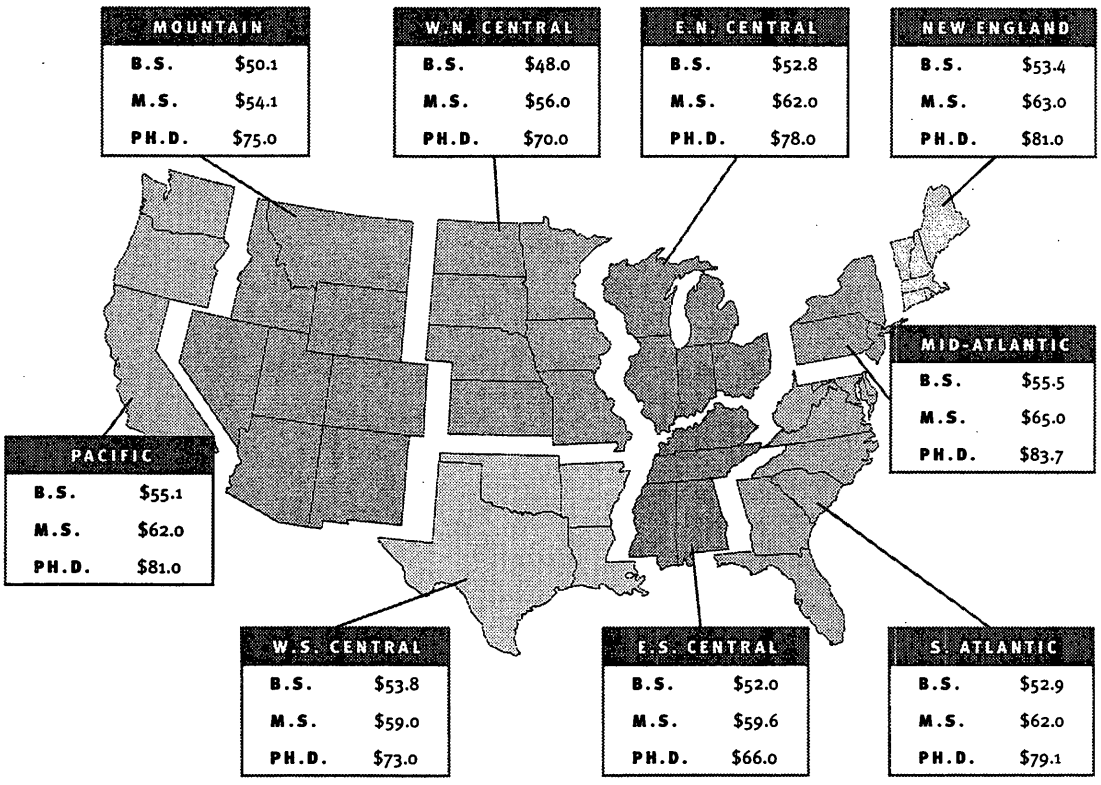
Salary by Region

Regional variations in chemists' salaries are probably substantially due to factors that transcend chemistry – such as differences in the cost of living. However, they can apparently be quite considerable. The best paid chemists are those in the Middle Atlantic regions with the top median salaries at all degree levels – $55,500 for bachelors, $65,000 for masters, and $83,700 for doctorates. Chemists in the Pacific region are paid almost as well – $55,100, $62,000, and $81,000 respectively.

The salary lows are $48,000 for bachelors in the West North Central region, $54,100 for masters in the Mountain region, and $66,000 for doctorates in the East South Central.

MEDIAN SALARIES BY REGION

WORKFORCE 2000 CHEMISTS



NOTE: Median salaries in thousands of dollars as of March 1, 2000.

Part-time and Postdoc Salaries

The median salary of the 3.0% of respondents to ChemCensus 2000 working part-time was $30,000. For men it was $32,000 and for women, $27,000. Government paid the highest, $42,300, and academia the lowest, $17,000.

The median chemistry postdoc stipend in 2000 was $30,000 for both men and women. This was a 36% gain from $22,000 in 1990. The best paid postdocs were government ones, a median of $48,000, and those from industry $42,500.

Extra Professional Income

In addition to asking for base salary as of March 1 the current and previous year, ACS surveys also ask for total professional income for the previous year. Such data cannot be compared directly to give a precise measure of extra professional income because one data set gives salary rates as of specific dates while the other set gives the income actually received over a calendar year. However, these data confirm, in a qualitative way, that for most chemists extra profession income beyond their base salaries is either zero or modest at best.

For instance, the median March 1, 2000, salary of all chemists of $70,000 is within $1,600 of the median of $71,600 for total professional income for all of 1999. And this difference remains small for all degree levels – $900 for bachelors, $1,100 for masters, and $2,000 for doctorates.

More detailed data on bonuses and extra consulting income confirm that they are relatively modest. Of all respondents to ChemCensus 2000, 47% indicated they were eligible for a bonus in 1999 and that 42% actually got one. Bonuses were more common for industrial chemists with 61% getting one. This compares with 25% of government chemists and only 7% of academics.

MEDIAN POSTDOC SALARIES

$ THOUSANDS

	WORKFORCE CHEMISTS	YEAR 1990	YEAR 1995	YEAR 2000
	ALL CHEMISTRY POSTDOCS	$22.0	$25.0	$30.0
SEX	MEN	$22.0	$25.0	$30.0
SEX	WOMEN	22.0	26.0	30.0
EMPLOYER	INDUSTRY	$31.0	$36.0	$42.5
EMPLOYER	GOVERNMENT	30.0	37.0	48.0
EMPLOYER	OTHER NON-ACADEMIC	27.5	29.0	29.5
EMPLOYER	ACADEMIA	21.0	24.0	28.0

MEDIAN TOTAL PROFESSIONAL INCOME FOR PRIOR YEAR

$ THOUSANDS

	WORKFORCE CHEMISTS	YEAR 1989	YEAR 1994	YEAR 1999	% CHANGE TOTAL	% CHANGE RATE
	ALL CHEMISTS	$51.0	$61.5	$71.6	40.4%	3.4%
SEX	MEN	$54.0	$65.0	$76.3	41.3%	3.5%
SEX	WOMEN	39.5	48.1	56.5	43.0	3.6
HIGHEST DEGREE	BACHELORS	$40.0	$47.6	$54.0	35.0%	3.0%
HIGHEST DEGREE	MASTERS	46.0	55.5	63.1	37.2	3.2
HIGHEST DEGREE	DOCTORATE	57.4	70.0	81.0	41.1	3.5
EMPLOYER	INDUSTRY	$53.0	$64.8	$75.6	42.6%	3.6%
EMPLOYER	GOVERNMENT	47.9	59.2	69.0	44.1	3.7
EMPLOYER	OTHER NON-ACADEMIC	50.0	62.5	75.0	50.0	4.1
EMPLOYER	ACADEMIA	47.0	55.0	61.0	29.8	2.7

CHEMISTS' BONUSES

	WORKFORCE CHEMISTS	ELIGIBLE FOR BONUS YEAR 1990	ELIGIBLE FOR BONUS YEAR 1995	ELIGIBLE FOR BONUS YEAR 2000	ACTUALLY RECEIVED BONUS* YEAR 1990	ACTUALLY RECEIVED BONUS* YEAR 1995	ACTUALLY RECEIVED BONUS* YEAR 2000	MEDIAN AMOUNT** YEAR 1990	MEDIAN AMOUNT** YEAR 1995	MEDIAN AMOUNT** YEAR 2000
	ALL CHEMISTS	46%	48%	47%	88%	88%	91%	$3.0	$3.5	$5.0
SEX	MEN	47%	50%	48%	88%	88%	91%	$3.5	$4.0	$5.4
SEX	WOMEN	39	42	43	89	90	93	1.6	2.0	3.0
HIGHEST DEGREE	BACHELORS	45%	46%	55%	88%	88%	91%	$2.0	$3.5	$3.0
HIGHEST DEGREE	MASTERS	44	49	52	87	88	92	2.5	2.0	4.0
HIGHEST DEGREE	DOCTORATE	47	50	42	88	89	91	4.3	3.0	6.6
EMPLOYER	INDUSTRY	47%	55%	66%	89%	90%	92%	$3.0	$4.0	$5.0
EMPLOYER	GOVERNMENT	27	31	30	84	76	83	2.0	1.1	1.5
EMPLOYER	OTHER NON-ACADEMIC	44	22	31	83	80	80	5.0	2.4	5.0
EMPLOYER	ACADEMIA	19	15	8	82	80	85	2.0	2.0	2.0

* Percentage of Those Eligible

** $ Thousands

The median bonus for all chemists would be zero, as more than half did not get one. The median bonus for those who did get one was $5,000 for those in industry, $1,500 for those in government and $2,000 for the few in academia.

Extra income from consulting is equally modest overall. Only 11% of respondents to ChemCensus 2000 indicated they consulted during 1999. They received a median income of $5,000. The median was considerably higher, $33,000, for those in the "other non-academic category" – a grouping that includes the self-employed.

Further analysis of the self-employed indicates that 69% had full-time jobs in 1999 and that 66% did consult with a median income of $45,000.

Of all respondents to ChemCensus 2000, 47% indicated they were eligible for a bonus in 1999 and that 42% actually got one.

CHEMISTS BY STATUS OF SELF-EMPLOYED

	WORKFORCE 2000 SELF-EMPLOYED CHEMISTS	SELF-EMPLOYED
EMPLOYMENT	FULL-TIME JOB	69%
	PART-TIME JOB	26
	POSTDOC	1
	SEEKING EMPLOYMENT	4
CONSULTING	YES	66%
	LESS THAN 20 HOURS PER MONTH	32%
	MEDIAN CONSULTING INCOME	$45,000

CHEMISTS CONSULTING AND CONSULTING INCOME

		YES, CONSULT		LESS THAN 20 HOURS PER MONTH		CONSULTING INCOME*	
		YEAR		YEAR		YEAR	
	WORKFORCE CHEMISTS	1995	2000	1995	2000	1995	2000
	ALL CHEMISTS	18%	11%	81%	73%		$5.0
SEX	MEN	20%	12%	82%	73%		$5.8
	WOMEN	11	7	78	72		3.4
HIGHEST DEGREE	BACHELORS	12%	6%	72%	59%		$8.0
	MASTERS	14	8	73	61		5.9
	DOCTORATE	21	14	85	76		5.0
EMPLOYER	INDUSTRY	9%	5%	79%	67%		$6.0
	GOVERNMENT	12	5	90	67		4.0
	OTHER NON-ACADEMIC	42	36	43	39		33.0
	ACADEMIC	32	22	92	85		4.0

* $ Thousands

CHEMICAL ENGINEERS

THE BROAD BRUSH STROKE picture of working chemical engineers that can be derived from ChemCensus 2000 is that, compared with chemists, they are more likely to work in industry; less likely to have a doctorate; and less likely to be female. They are also generally better paid, with an overall median salary of $81,000 compared with the $70,000 median for all chemists responding to the survey. And their employment status as of March 1, 2000, was very similar to that for chemists.

Of the 47,800 ACS members responding to ChemCensus 2000, 2,156, or 4.5%, identified "chemical engineering" as their primary work function. Of these, 137 were fully retired or otherwise unemployed but not seeking employment. This left 2019 chemical engineers in the workforce as of March 1, 2000.

Demographics

By degree, 53% of the workforce chemical engineers were doctorates, with bachelors and masters both at 23%. By gender, only 12% were women. This compares with almost 25% for chemists. By degree,18% of the bachelors chemical engineers were women as were 13% of masters and 9% of doctorates.

Median age of chemical engineers was 45, the same as for chemists, with men at 46, women at 37. By employer, 75% of chemical engineers, compared with 62% of chemists, had jobs in industry, and 15%, compared with 26% of chemists, were in academia. Of the other chemical engineers, 5% held government positions and another 5% were in other non-academic situations.

As with chemists, the most common work function for chemical engineers was applied research – 38% of chemical engineers, 34% of chemists. Next in the ranking for chemical engineers were production, 12%; R&D management, 10%; and general management, 8%.

Not surprisingly, only 1% of chemical engineers identified with analytical services, the second most common work function of chemists at 14%.

Employment Status

The employment situation for chemical engineers was similar to that for chemists with 93.0% with full-time jobs. This is almost identical with the 92.9% of chemists. However, chemical engineers were less likely to be on postdocs, 0.9% compared with 2.1% of chemists, and slightly more likely to hold part-time jobs – 3.6% compared with 3.0% of chemists.

Of the chemical engineers working part-time, 67% of the men and 39% of the women were doing so by choice. Of women, another 39% were doing so due to their family or marital status. This was so for only 2% of men.

Salaries/Income

The salary edge that chemical engineers have over chemists is pervasive. At the bachelor level it is 27%, with a median of $67,000 compared with $53,100 for chemists. This reflects the broader acceptance of the bachelor's degree in chemical engineering as a terminal professional qualification.

Salary increases for chemical engineers as individuals in 2000 were very similar to those for chemists. The median gain over 1999 were 4.7% for chemical engineers and 4.9% for chemists. The mean gains were 7.0% and 7.7% respectively.

The salary difference is apparently largest in academia, with chemical engineers at a median of $80,000 and chemists at $56,800. However, this difference is, in substantial part, due to the fact that academic chemical engineers who are members of ACS are considerably more likely to be full professors, 57%, than are academic chemist members, 35%.

Chemical engineers also have a slight advantage in terms of extra professional income. For instance, 55% were eligible for a bonus in 2000 and 49% actually received one. This compares with 47% and 42%, respectively, for chemists. And the median bonus amount for chemical engineers who received one was $6,000, a little more than the $5,000 for chemists.

CHEMISTS VS. CHEMICAL ENGINEERS
MEDIAN SALARIES BY SEX/DEGREE/EMPLOYER

	WORKFORCE 2000 CHEMISTS	$ THOUSAND CHEMISTS	$ THOUSAND CHEMICAL ENGINEERS
	ALL CHEMISTS	$70.0	$81.0
SEX	MEN	$74.2	$83.0
SEX	WOMEN	56.0	68.8
HIGHEST DEGREE	BACHELORS	$53.1	$67.2
HIGHEST DEGREE	MASTERS	62.0	77.5
HIGHEST DEGREE	DOCTORATE	79.0	88.0
EMPLOYER	INDUSTRY	$74.5	$81.3
EMPLOYER	GOVERNMENT	70.1	73.0
EMPLOYER	ACADEMIA	56.8	80.0

Chemical engineers are also a little more likely than chemists to consult – 15% compared with 11% – with a median consulting income from such extra activity of $10,000 compared with $5,000 for chemists.

EMPLOYMENT STATUS

RESULTS FROM THE 1990, 1995, AND 2000 censuses indicate that the job market for chemists has gone through some strange, even counter current, gyrations during the past ten years. The employment status data from the 2000 census do not fit the pattern established over the previous 30 years of ACS surveys. They may indicate some fundamental shifts in what chemists can now expect in the job market as well as in their attitude and approach to it.

To put the 2000 situation into perspective, the 1990 census revealed an employment situation for chemists that was about as good as it had ever been with 95.2% employed full-time. Of the others, 1.5% had a part-time job, 2.2% were on postdocs, and only 1.1% were unemployed but seeking a job. By 1995, the number of chemists without a full-time job had almost doubled to 8.9%. This was very high by historic standards, with 2.7% employed part-time, 3.6% on postdocs, and 2.5% unemployed but seeking.

1995 and 1996 were particularly tough years for the chemical profession. As the overall U.S. economy was generating a head of steam in what eventually became the longest expansion in history and overall unemployment was starting to plunge, the job market for chemists was staggered by the restructuring and downsizing of the chemical industry, uncertain R&D funding, fiscal constraints on many campuses, and a stagnation of government science jobs.

Historically, the unemployment rate for chemists, as measured by ACS's surveys, has fluctuated within a narrow range of very close to 1.0% in good times for the profession and close to 3.0% in really bad times. Both rates may understate actual unemployment a little because of a presumed greater reluctance of

CHEMISTS' EMPLOYMENT STATUS AS OF MARCH 1, BY SEX/EMPLOYER/DEGREE

STATUS	ALL WORKFORCE CHEMISTS			MEN			WOMEN		
	YEAR			YEAR			YEAR		
WORKFORCE CHEMISTS	1990	1995	2000	1990	1995	2000	1990	1995	2000
FULL-TIME	95.2%	91.1%	92.9%	95.9%	92.3%	93.9%	92.0%	86.8%	89.8%
PART-TIME	1.5	2.7	3.0	0.9	1.9	2.1	3.9	5.7	5.9
POSTDOC	2.2	3.6	2.1	2.1	3.4	2.0	2.8	4.5	2.3
SEEKING JOB	1.1	2.5	2.0	1.1	2.4	2.0	1.2	3.0	2.0

STATUS	INDUSTRY			GOVERNMENT			ACADEMIA		
	YEAR			YEAR			YEAR		
WORKFORCE CHEMISTS	1990	1995	2000	1990	1995	2000	1990	1995	2000
FULL-TIME	97.6%	96.2%	95.9%	94.0%	91.5%	93.9%	89.6%	82.6%	88.2%
PART-TIME	0.7	1.0	1.7	2.5	1.4	1.7	2.5	4.9	4.4
POSTDOC	0.5	0.3	0.2	1.9	5.7	3.5	7.3	10.3	6.2
SEEKING JOB	1.2	2.5	2.3	1.5	1.4	0.8	0.7	2.1	1.3

STATUS	BACHELORS			MASTERS			DOCTORATE		
	YEAR			YEAR			YEAR		
WORKFORCE CHEMISTS	1990	1995	2000	1990	1995	2000	1990	1995	2000
FULL-TIME	97.2%	92.6%	94.8%	96.9%	92.4%	94.1%	93.8%	90.1%	91.8%
PART-TIME	1.5	3.0	2.9	1.8	3.4	3.4	1.3	2.4	2.9
POSTDOC	0.1	1.5	0.2	0.1	1.2	0.1	3.8	5.2	3.3
SEEKING JOB	1.2	2.9	2.0	1.3	2.9	2.3	1.1	2.3	1.9

CHEMISTS UNEMPLOYED AT SOME TIME DURING PRIOR YEAR

	WORKFORCE CHEMISTS	YEAR 1990	1995	2000
	ALL WORKFORCE CHEMISTS	4.1%	6.7%	5.4%
SEX	MEN	3.6%	6.1%	5.0%
	WOMEN	6.0	8.7	6.5
DURATION	LESS THAN ONE MONTH	10%	13%	13%
	1 TO 3 MONTHS	50	38	37
	4 TO 6 MONTHS	17	25	26
	MORE THAN 6 MONTHS	23	24	24

unemployed members to respond to surveys. However, the ACS-determined rates have traditionally provided a sensitive and reliable barometer of the status of the chemical job market. They have always been generally in line with other indicators of the status of the chemical job market. These include the demand for chemists, the level of recruiting activity, the frequency of lay offs, overall R&D funding, and anecdotal evidence.

In 2000, with the longest economic expansion in U.S. history still at full throttle, the demand for chemists strong, recruiting activity for chemists very high, and the largest volume of employment advertising ever running in C&EN, the ACS census revealed that a substantial 7.1% of workforce chemists were without full-time jobs – with 3.0% working part-time, 2.1% on postdocs, and 2.0% unemployed but looking for a job.

New Standard

The questions that arises from these 2000 data are: Do they indicate that chemists will never again enjoy the optimum job situation of earlier years with only 1.0% unemployed? Or does the 2.0% unemployment rate for 2000 set the new standard for a strong job market for chemists in the so-called new economy? It is not possible to answer definitively.

However, it is conceivable that broadening challenges in pharmaceuticals and an array of new fast-moving fields are giving chemists more opportunities. This could engender more confidence for chemists in their career choices and lead, in turn, to a more active job market with higher job turnover.

Another factor that could be contributing to the higher than expected unemployment rate in 2000 may be what is happening with older chemists. Many chemists are receiving pensions early due to voluntary or involuntary terminations. However, many of those with pensions are staying in the work force in one way or another and so possibly contributing to higher job turn over. A recent ACS study of mature chemists, indicates that while 46% of 65 to 69-year old chemists are receiving a pension, only 28% are fully retired.

One indicator of growing job opportunities for chemists is the shifting profile of what they do. In 1990, 27.5% of non-academic chemists were involved in chemical manufacturing. Another 12.9% were in chemically related manufacturing for a total of 40.4%. By 2000 this was down to 31.9% – 20.9% chemical and 11.0% chemically related. The exodus had apparently been largely to drug and cosmetics manufacturing – up from 14.7% to 23.3%.

EMPLOYERS OF NON-ACADEMIC CHEMISTS

NON-ACADEMIC EMPLOYERS	WORKFORCE NON-ACADEMIC CHEMISTS	YEAR 1990	1995	2000
	MANUFACTURING, TOTAL	69.1%	70.4%	71.8%
	CHEMICAL	27.5	23.9	20.9
	CHEMICALLY RELATED	12.9	10.4	11.0
	DRUGS/PERSONAL CARE	14.7	20.3	23.3
	OTHER	14.0	15.8	6.6
	NON-MANUFACTURING, TOTAL	9.1%	11.9%	12.0%
	ANALYTICAL SERVICE LABORATORY	–	4.4	3.4
	CONTRACT RESEARCH	–	2.8	3.4
	OTHER	–	4.7	5.1
	GOVERNMENT, TOTAL	12.2%	11.2%	10.1%
	FEDERAL	8.3	7.9	6.4
	OTHER	3.9	3.3	3.7
	OTHER NON-ACADEMIC	9.6%	6.5%	6.2%
	SELF-EMPLOYED	4.1	2.0	2.7
	NON-PROFIT	–	2.2	1.8
	OTHER	5.5	2.3	1.7

This all means that in 1990 close to three times as many chemists were involved in making chemicals as were in making drugs. By 2000 this differential was down to less than 40%.

Lost Advantages

One thing that is certain from the censuses is that during the economically ebullient 1990's the clear advantage that chemists had traditionally held – at least on paper – in terms of unusually low unemployment rates has substantially dissipated. While the rate for chemists was jumping from 1.1% in 1990 to 2.0% in 2000 – with an intermediate high of 3.0% in 1996 – the unemployment rate for the civilian labor force was plunging from 5.5% in 1990 and an intermediate high of 7.2% in 1992 to 3.7% in 2000. This was the lowest level in more than a generation. Over the decade, unemployment for the Bureau of Labor Statistics' managerial and profession category also declined – from 2.2% to 1.7%

Gender Differences

ChemCensus 2000 data indicate that 10.2% of women in the workforce did not have a full-time job. This compares with 6.1% of men. This gender difference has persisted over the years. It is due to two factors. The largest of these is a higher percentage of women with part-time jobs – 5.9% in 2000 compared with 2.1% of men. The other factor is the slightly higher percentage of women than men on postdocs or fellowships. This is not unexpected in light of the lower median age of the women.

CHEMISTS WITH A SIX-MONTH CAREER HIATUS BY SEX

	WORKFORCE CHEMISTS	SEX ALL	MEN	WOMEN
	HAD AT LEAST ONE HIATUS	16%	14%	24%
REASON	INVOLUNTARY TERMINATION	43%	57%	17%
REASON	VOLUNTARY TERMINATION	14	16	12
REASON	CHILDCARE/MATERNITY	18	2	48
REASON	PERSONAL HEALTH	7	7	7
REASON	OTHER	18	18	17
IMPACT ON CAREER	HELPED	20%	24%	13%
IMPACT ON CAREER	NO EFFECT	37	33	45
IMPACT ON CAREER	HURT	43	43	42

CHESTS BY SEX OF SUPERVISOR BY SEX

YEAR BY SEX / WORKFORCE CHEMISTS	SUPERVISOR: MAN	SUPERVISOR: WOMAN	SUPERVISOR: NONE
ALL WORKFORCE CHEMISTS			
2000	79.6%	14.0%	6.3%
1995	83.0	11.4	5.5
1990	91.4	8.6	—
MEN			
2000	81.1%	12.0%	7.0%
1995	84.4	9.6	5.9
1990	93.0	7.0	—
WOMEN			
2000	75.0%	20.6%	4.4%
1995	77.9	18.0	4.1
1990	84.0	16.0	—

Another gender difference comes up with the occurrence of career interruptions. ChemCensus 2000 indicates that 24% of women respondents but only 14% of men have had at least one career hiatus. A hiatus is defined as a period of six month or more neither working in chemistry nor attending school. For almost half, 48%, of the women, but for only 2% of the men, the reason was related to children and family matters. The main reason for men, 57%, was getting fired.

A more positive indicator for women, is that increased numbers of them are supervising. In 1990, 9% of chemists were supervised by a woman. By 2000 this was up to 14%. Of men chemists, 12% had a woman supervisor in 2000, as did 21% of women chemists.

Two Job Market Changes

ChemCensus data indicate a couple of job market shifts that may be transient and peculiar to conditions in 2000. However they could turn out to be indicative of things to come. One is the 3.0% of all workforce chemists who have part-time jobs. This is the highest it has ever been during a generally favorable economic time. During earlier good times it has been at about 1.5%. And 43% of men with part-time jobs in 2000 indicated they had them by choice. Incidentally, for women, the major single reason for having a part-time job, 37%, is related to their family and marital status. This is a factor for only 4% of the men.

CHEMISTS WORKING BY NATURE OF EMPLOYMENT

NATURE OF EMPLOYMENT / WORKFORCE CHEMISTS	ALL CHEMISTS: 1995	ALL CHEMISTS: 2000	MEN: 1995	MEN: 2000	WOMEN: 1995	WOMEN: 2000	INDUSTRY: 1995	INDUSTRY: 2000	GOVERNMENT: 1995	GOVERNMENT: 2000	ACADEMIC: 1995	ACADEMIC: 2000
PERMANENT JOB	95.1%	93.0%	95.8%	93.7%	92.8%	90.8%	98.7%	98.0%	95.4%	92.0%	87.0%	82.6%
TEMPORARY JOB	2.6	4.1	2.3	3.8	4.0	4.0	0.7	1.1	3.0	4.8	7.0	10.6
AGENCY/TEMPORARY	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.1	0.0	0.0	0.0
FIXED-TERM CONTRACT	2.1	2.7	1.8	2.3	1.8	3.0	0.4	0.6	1.5	3.2	5.9	6.8

CHEMISTS WORKING PART-TIME AND REASONS

REASONS	WORKFORCE CHEMISTS	ALL PART-TIME CHEMISTS YEAR 1990	ALL PART-TIME CHEMISTS YEAR 1995	ALL PART-TIME CHEMISTS YEAR 2000	MEN YEAR 1990	MEN YEAR 1995	MEN YEAR 2000	WOMEN YEAR 1990	WOMEN YEAR 1995	WOMEN YEAR 2000
	PREFER PART-TIME WORK	35%	26%	39%	38%	28%	43%	32%	24%	34%
	FULL-TIME JOB NOT AVAILABLE	24	29	19	33	34	23	15	24	15
	FAMILY/MARITAL STATUS	23	18	20	3	4	4	42	34	37
	OTHER REASONS	18	27	22	25	35	30	11	18	14

CHEMISTS' PERCEIVED DISCRIMINATION

	WORKFORCE 2000 CHEMISTS	EXPERIENCED DISCRIMINATION
BY SEX	MEN	4%
	WOMEN	43
BY RACE	WHITE	4%
	ASIAN	38
	BLACK	55
	AMERICAN INDIAN	22
BY ETHNICITY	HISPANIC	24
	NON-HISPANIC	9
BY AGE	20-29	15%
	30-39	6
	40-49	6
	50-59	13
	60-69	15
	70+	23

The question is: Is this modest movement toward more part-time employment one indicator of a broadening of the classic ideal of a nine-to-five permanent job toward a more flexible approach to making work and personal life style more compatible?

The other shift is the increasing number of jobs that are not permanent. Of all full-time jobs in chemistry, the number that were temporary grew from 4.9% to 7.0% between 1995 and 2000. This is largely a phenomena of academia. In 2000, only 2.0% of industry jobs were not permanent. For government, it was 8.0%. But in academia it was 17.4%, up from 13.0% in 1995. To what extent might this trend reflect an evolving employers' version of a broadened approach to the ideal employment situation?

Discrimination

ChemCensus 2000 asks respondents if they have ever experienced adverse professional treatment because of their gender, age, race, or ethnicity. Of women, 43% indicated they had experienced sex discrimination, as did 4% of men. A disturbingly high 55% of African Americans and a substantial 38% of Asians and 22% of American Indians reported race discrimination. Also 24% of Hispanics felt they had been discriminated against.

As to age discrimination, 15% of 20 to 29 year olds reported it. It is likely that such experiences will soon be forgotten as only 6% of chemists between 30 and 49 indicate they have ever been so discriminated against. But age discrimination rears it head again with growing age to 15% of 60 to 69 year olds and 23% of those 70 or older.

Job Satisfaction

Despite the ups and downs of the 1990s, the level of satisfaction that chemists have with their jobs declined only marginally over the decade, although, in some cases, it did dip a little in the tough year of 1995.

In 1990, 77% agreed that their employers paid them "fairly in comparison with employees who have similar duties and responsibilities." For both 1995 and 2000 the response was 76%. Agreement with the statement that "my chances for professional advancement within my company or organization are as good as those of other employees with equivalent qualifications and experience" varied only from 76% in 1990 to 73% in 1995 and 74% in 2000. Agreement with a parallel statement on managerial or administrative advancement elicited responses of 71%, 66%, and 67%, respectively for the three years.

Responses from women were generally less positive than those from men. But the difference declined over the period. For instance, in 1990 64% of women, compared with 72% of men, agreed on the managerial advancement question – an eight percentage points difference. By 2000 this was down to three percentage points – 65% for women compared with 68% for men.

By degree, doctorates were generally more positive overall, but not by much. For instance, their response on getting fair pay was either 77% or 78% over the three years, while the response from bachelors was 73% or 74%.

Chemists' job satisfaction by sex/degree/employer

		Pay is fair			Professional advancement			Managerial advancement		
		Year			Year			Year		
	Workforce chemists	1990	1995	2000	1990	1995	2000	1990	1995	2000
	All workforce chemists	77%	76%	76%	76%	73%	74%	71%	66%	67%
Sex	Men	78%	76%	77%	77%	75%	75%	72%	67%	68%
Sex	Women	73	71	72	71	67	72	4	61	65
Highest degree	Bachelors	74%	73%	74%	73%	70%	71%	69%	66%	66%
Highest degree	Masters	76	76	76	73	71	72	68	63	64
Highest degree	Doctorate	78	77	77	79	76	76	72	67	64
Employer	Industry	79%	77%	77%	75%	72%	73%	69%	64%	66%
Employer	Government	67	73	75	70	64	67	66	59	63
Employer	Other non-academic	79	78	82	77	74	79	77	73	77
Employer	Academia	75	77	73	82	80	79	77	71	72

By employer, academics showed a distinct advantage on prospects for professional advancement with a edge of 82% compared with 70% for government scientists in 1990. This 12 percentage point advantage in 1990 grew to 16 points in 1995 before dropping back to 12 in 2000. As is often the case, industrial chemists fell right between with percentage point edges over government chemists of five, eight, and six in 1990, 1995, and 2000 respectively.

GEOGRAPHIC REGIONS

Pacific

Alaska
California
Hawaii
Oregon
Washington

Mountain

Arizona
Colorado
Idaho
Montana
Nevada
New Mexico
Utah
Wyoming

West North Central

Iowa
Kansas
Minnesota
Missouri
Nebraska
North Dakota
South Dakota

West South Central

Arkansas
Louisiana
Oklahoma
Texas

East North Central

Illinois
Indiana
Michigan
Ohio
Wisconsin

East South Central

Alabama
Kentucky
Mississippi
Tennessee

Middle Atlantic

New Jersey
New York
Pennsylvania

South Atlantic

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

New England

Connecticut
Maine
Massachusetts
New Hampshire
Rhode Island
Vermont

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Employment and Unemployment on March 1, 2000

Demographic Characteristics on March 1, 2000

Table 1.1.1
SALARIES of BS CHEMISTS employed FULL-TIME
by EMPLOYER TYPE and YEARS SINCE BS
2000 ACS Salary Survey

		Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
Industry	Total	6974	59,722	28,194	42,925	54,189	70,000
	0-1	25	45,134	15,068	33,000	45,000	49,800
	2-4	997	38,965	8,938	33,000	38,500	44,000
	5-9	1296	45,762	12,254	38,000	45,000	51,500
	10-14	1032	54,452	14,702	45,000	53,144	62,000
	15-19	934	63,788	25,725	50,000	61,368	72,792
	20-24	993	69,239	22,442	54,637	67,000	80,000
	25-29	741	75,111	35,362	56,612	70,000	84,460
	30-34	475	79,200	35,759	57,500	73,826	93,600
	35-39	312	80,077	44,753	59,280	70,620	88,680
	40 or more	169	85,391	45,727	60,000	74,580	97,680
Government	Total	653	56,150	19,713	42,500	53,640	67,400
	2-4	43	33,478	10,740	26,500	34,350	42,000
	5-9	74	40,107	9,691	34,647	40,000	45,000
	10-14	73	52,739	20,720	40,000	51,405	59,000
	15-19	84	52,415	15,780	42,500	50,000	59,868
	20-24	95	58,336	14,777	48,000	56,600	66,198
	25-29	125	62,834	16,800	50,000	61,000	73,609
	30-34	85	65,895	18,660	50,331	65,179	76,286
	35-39	48	68,037	19,445	57,000	63,000	77,500
	40 or more	26	67,027	28,574	47,500	62,000	77,507
Other Nonacademic	Total	278	64,105	54,154	39,700	50,800	73,000
	2-4	31	34,961	12,296	28,500	33,000	42,000
	5-9	32	43,165	8,948	35,000	42,170	50,000
	10-14	28	62,081	30,722	46,811	52,000	66,000
	15-19	37	78,280	85,186	44,000	58,000	73,500
	20-24	27	60,412	32,248	42,000	51,000	68,000
	25-29	39	66,158	30,932	45,000	57,000	80,000
	30-34	31	61,088	35,708	37,000	55,000	71,800
	35-39	26	100,309	105,710	50,940	78,000	90,500
	40 or more	26	76,442	44,264	38,000	69,000	100,000
College or University	Total	249	42,062	15,764	30,000	40,000	52,000
	2-4	55	29,457	9,723	22,500	28,000	33,280
	5-9	33	39,484	9,999	30,200	38,686	48,689
	10-14	23	42,702	14,259	32,000	42,642	49,600
	15-19	24	43,975	15,062	33,500	41,246	49,308
	20-24	30	41,540	11,624	32,000	38,658	52,000
	25-29	32	47,557	17,340	32,340	44,000	62,213
	30-34	28	53,029	17,947	34,000	52,000	65,000
Other Academic	Total	121	36,194	10,538	29,500	33,000	42,500
	2-4	29	29,865	4,461	27,000	30,000	33,000
	5-9	19	32,259	6,008	30,000	32,000	35,000
	10-14	22	35,812	9,859	30,000	32,000	44,802

Note: Categories with fewer than 15 cases have been suppressed.

Table 1.1.2
SALARIES of MS CHEMISTS employed FULL-TIME
by EMPLOYER TYPE and YEARS SINCE BS
2000 ACS Salary Survey

		Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
Industry	Total	4592	71,274	29,515	53,248	65,500	82,316
	2-4	53	52,815	53,300	40,000	47,200	51,000
	5-9	588	51,737	20,553	45,000	50,685	56,000
	10-14	673	59,000	14,740	50,000	57,000	65,000
	15-19	774	67,887	27,939	55,000	64,500	75,300
	20-24	712	74,219	23,470	59,539	70,096	85,000
	25-29	712	80,888	27,528	63,000	78,000	92,100
	30-34	560	83,729	29,727	65,000	80,000	96,000
	35-39	347	86,499	35,721	65,000	82,000	100,000
	40 or more	173	83,701	46,364	59,730	74,000	95,000
Government	Total	537	63,253	26,677	50,000	61,500	73,018
	5-9	28	47,061	10,220	40,000	47,000	52,911
	10-14	47	49,511	11,345	40,992	48,706	54,990
	15-19	74	59,339	15,010	50,000	60,000	69,849
	20-24	89	58,083	13,293	47,000	59,500	67,000
	25-29	103	64,478	16,690	53,000	64,520	75,000
	30-34	100	75,727	48,708	60,000	68,800	81,000
	35-39	52	68,501	20,173	53,000	67,064	79,155
	40 or more	42	69,190	20,389	55,572	68,961	88,455
Other Nonacademic	Total	256	72,003	43,964	44,527	62,000	87,000
	5-9	17	41,057	10,834	33,000	39,200	44,129
	10-14	23	49,319	20,871	33,223	45,100	56,000
	15-19	26	59,477	22,621	44,000	53,000	70,000
	20-24	35	75,011	34,000	47,952	70,000	91,000
	25-29	45	77,768	48,717	45,700	66,000	91,500
	30-34	38	83,940	46,874	51,000	70,000	100,000
	35-39	44	87,400	59,008	52,000	77,100	100,000
	40 or more	25	69,985	41,404	46,621	60,000	74,000
College or University	Total	655	47,630	17,535	34,628	45,000	57,700
	2-4	18	34,377	11,245	30,000	32,000	40,000
	5-9	78	36,809	10,430	30,000	36,000	42,400
	10-14	75	40,740	12,882	31,500	37,500	49,093
	15-19	80	44,806	15,658	32,000	43,729	54,000
	20-24	68	47,944	14,721	36,850	45,300	58,000
	25-29	77	49,968	18,406	34,000	45,000	60,000
	30-34	100	51,577	16,290	39,000	50,745	60,402
	35-39	107	53,988	20,517	38,500	52,500	63,197
	40 or more	52	58,182	19,382	45,500	55,580	67,995
Other Academic	Total	373	48,690	14,832	37,500	48,000	56,663
	5-9	32	33,455	5,963	30,000	32,000	35,000
	10-14	27	38,785	9,195	32,000	37,262	41,000
	15-19	35	42,362	8,406	37,370	42,000	48,000
	20-24	55	47,212	13,279	36,720	46,000	51,000
	25-29	49	51,470	18,009	40,000	49,500	58,205
	30-34	86	53,117	13,658	46,000	51,000	59,000
	35-39	62	56,474	14,184	45,500	54,147	63,000
	40 or more	23	54,546	11,916	49,943	51,000	56,629

Note: Categories with fewer than 15 cases have been suppressed.

Table 1.1.3
SALARIES of PhD CHEMISTS employed FULL-TIME
by EMPLOYER TYPE and YEARS SINCE BS
2000 ACS Salary Survey

		Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
Industry	Total	11929	92,912	34,147	73,200	86,300	104,000
	5-9	608	68,636	11,541	62,700	69,000	75,000
	10-14	1723	74,810	14,537	66,500	73,550	82,000
	15-19	2473	83,439	22,364	71,500	81,000	92,000
	20-24	2006	95,244	31,427	79,000	90,300	105,000
	25-29	1785	102,672	34,129	83,390	97,000	114,000
	30-34	1616	106,284	35,659	85,000	100,000	120,000
	35-39	1212	110,179	50,038	84,000	100,460	124,320
	40 or more	506	102,272	45,872	75,000	93,440	120,000
Government	Total	1551	82,403	22,721	66,571	80,000	97,000
	5-9	43	58,852	18,414	45,700	55,500	66,460
	10-14	111	64,719	14,479	56,200	64,000	73,000
	15-19	218	72,435	20,252	61,000	70,000	81,546
	20-24	232	79,052	18,623	68,541	77,081	88,750
	25-29	217	84,316	20,691	70,000	84,000	98,432
	30-34	288	87,657	22,669	75,096	88,741	102,003
	35-39	269	91,545	22,434	77,126	91,581	107,160
	40 or more	173	91,294	23,026	75,000	92,000	107,200
Other Nonacademic	Total	794	95,160	58,209	61,859	82,000	110,000
	10-14	66	73,003	32,599	55,000	66,000	81,000
	15-19	100	83,125	39,525	60,000	73,096	88,000
	20-24	99	97,738	73,635	65,000	80,000	103,000
	25-29	106	98,117	65,930	68,400	87,500	115,000
	30-34	161	104,162	65,712	60,300	92,000	120,000
	35-39	157	96,420	44,775	70,000	91,000	115,000
	40 or more	91	105,061	64,646	61,000	86,100	120,944
College or University	Total	7398	67,735	31,255	46,200	60,000	80,100
	5-9	281	43,200	12,157	36,000	40,000	47,500
	10-14	989	47,592	20,472	38,722	45,000	53,000
	15-19	1071	53,308	16,438	42,300	49,992	60,000
	20-24	857	62,545	26,944	46,000	57,000	73,000
	25-29	823	68,718	27,414	49,500	62,303	81,000
	30-34	1043	75,468	31,441	52,060	68,700	90,000
	35-39	1312	81,658	35,060	59,856	73,500	95,000
	40 or more	1022	86,884	32,705	63,300	81,000	105,000
Other Academic	Total	134	46,231	14,745	36,000	43,000	53,049
	10-14	19	34,873	6,348	29,865	35,000	37,700
	20-24	19	44,348	9,973	37,000	42,000	51,000
	30-34	25	46,356	10,970	37,000	46,000	52,142
	35-39	26	55,412	17,761	45,000	55,677	70,000
	40 or more	16	56,495	14,816	45,000	56,887	65,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.1.1
SALARIES of INDUSTRIAL CHEMISTS employed FULL-TIME
by DEGREE and YEARS SINCE BS
2000 ACS Salary Survey

		Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
BS	Total	6974	59,722	28,194	42,925	54,189	70,000
	0-1	25	45,134	15,068	33,000	45,000	49,800
	2-4	997	38,965	8,938	33,000	38,500	44,000
	5-9	1296	45,762	12,254	38,000	45,000	51,500
	10-14	1032	54,452	14,702	45,000	53,144	62,000
	15-19	934	63,788	25,725	50,000	61,368	72,792
	20-24	993	69,239	22,442	54,637	67,000	80,000
	25-29	741	75,111	35,362	56,612	70,000	84,460
	30-34	475	79,200	35,759	57,500	73,826	93,600
	35-39	312	80,077	44,753	59,280	70,620	88,680
	40 or more	169	85,391	45,727	60,000	74,580	97,680
MS	Total	4592	71,274	29,515	53,248	65,500	82,316
	2-4	53	52,815	53,300	40,000	47,200	51,000
	5-9	588	51,737	20,553	45,000	50,685	56,000
	10-14	673	59,000	14,740	50,000	57,000	65,000
	15-19	774	67,887	27,939	55,000	64,500	75,300
	20-24	712	74,219	23,470	59,539	70,096	85,000
	25-29	712	80,888	27,528	63,000	78,000	92,100
	30-34	560	83,729	29,727	65,000	80,000	96,000
	35-39	347	86,499	35,721	65,000	82,000	100,000
	40 or more	173	83,701	46,364	59,730	74,000	95,000
PhD	Total	11929	92,912	34,147	73,200	86,300	104,000
	5-9	608	68,636	11,541	62,700	69,000	75,000
	10-14	1723	74,810	14,537	66,500	73,550	82,000
	15-19	2473	83,439	22,364	71,500	81,000	92,000
	20-24	2006	95,244	31,427	79,000	90,300	105,000
	25-29	1785	102,672	34,129	83,390	97,000	114,000
	30-34	1616	106,284	35,659	85,000	100,000	120,000
	35-39	1212	110,179	50,038	84,000	100,460	124,320
	40 or more	506	102,272	45,872	75,000	93,440	120,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.1.2
SALARIES of MEN CHEMISTS employed FULL-TIME in INDUSTRY
by DEGREE and YEARS SINCE BS
2000 ACS Salary Survey

		Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
BS	Total	4662	64,023	31,362	45,227	59,000	75,000
	0-1	17	48,129	16,283	35,000	45,000	58,240
	2-4	490	39,224	9,481	33,000	38,500	44,700
	5-9	751	46,653	13,768	39,000	45,400	52,020
	10-14	616	55,677	15,966	45,000	54,000	63,500
	15-19	660	66,165	28,192	52,000	63,254	74,959
	20-24	728	71,384	22,612	56,629	68,953	82,000
	25-29	616	77,255	37,671	58,000	71,000	86,500
	30-34	379	82,933	37,398	60,222	76,000	99,800
	35-39	267	82,856	46,269	60,000	74,600	91,800
	40 or more	138	89,309	48,859	63,000	75,348	102,000
MS	Total	3271	74,569	28,446	56,000	70,000	86,000
	2-4	27	60,542	74,275	42,900	49,300	51,000
	5-9	342	52,507	10,941	45,875	51,800	58,164
	10-14	415	60,505	15,778	52,000	59,000	67,000
	15-19	514	69,502	20,679	56,700	66,003	78,660
	20-24	539	76,452	23,529	62,400	72,140	86,000
	25-29	570	82,765	27,727	65,000	79,174	94,000
	30-34	460	84,882	28,667	67,400	81,640	98,000
	35-39	277	90,538	37,413	67,656	85,680	103,000
	40 or more	127	86,459	39,408	62,500	79,000	98,000
PhD	Total	10125	94,834	35,367	75,000	88,525	106,000
	5-9	398	68,797	12,011	62,400	69,000	75,600
	10-14	1278	75,344	14,644	67,000	74,100	82,600
	15-19	2005	84,239	23,529	72,000	81,800	93,000
	20-24	1731	95,587	32,017	79,000	91,000	105,000
	25-29	1594	103,451	34,641	84,480	98,000	115,000
	30-34	1512	107,203	35,890	85,164	100,500	120,000
	35-39	1138	111,416	50,534	85,000	101,250	125,000
	40 or more	469	103,155	46,486	75,360	94,000	120,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.1.3
SALARIES of WOMEN CHEMISTS employed FULL-TIME in INDUSTRY
by DEGREE and YEARS SINCE BS
2000 ACS Salary Survey

		Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
BS	Total	2286	50,855	17,232	39,211	48,000	59,950
	2-4	506	38,652	8,277	33,000	38,323	43,589
	5-9	544	44,551	9,669	38,000	44,000	50,000
	10-14	413	52,658	12,416	44,000	52,500	60,000
	15-19	269	58,139	17,219	47,275	56,000	67,000
	20-24	259	63,115	20,965	49,000	60,000	72,000
	25-29	121	64,429	17,236	52,784	62,000	75,000
	30-34	92	63,067	22,186	49,000	60,000	75,000
	35-39	44	63,441	30,147	45,240	61,000	68,210
	40 or more	30	67,547	20,785	54,600	62,500	75,920
MS	Total	1307	63,004	30,608	49,000	58,000	71,000
	2-4	26	44,790	6,343	40,000	44,000	51,000
	5-9	244	50,646	29,157	43,500	49,700	53,940
	10-14	255	56,374	12,414	48,000	54,897	64,000
	15-19	260	64,695	38,306	53,000	61,275	70,000
	20-24	172	67,369	21,956	53,000	64,272	78,000
	25-29	142	73,350	25,443	58,000	72,000	87,000
	30-34	97	78,456	34,328	58,850	76,000	90,000
	35-39	67	69,245	21,146	54,000	70,000	81,792
	40 or more	44	76,700	62,883	51,000	62,000	76,800
PhD	Total	1762	81,964	23,357	68,250	78,000	91,000
	5-9	208	68,351	10,646	63,100	69,000	74,280
	10-14	438	73,332	14,201	65,605	72,000	80,086
	15-19	459	79,996	16,113	70,000	78,000	88,000
	20-24	267	92,904	27,452	77,000	88,978	104,000
	25-29	185	95,835	28,209	77,300	92,000	108,000
	30-34	98	93,926	29,280	75,000	90,312	110,000
	35-39	72	90,999	37,447	65,650	83,000	110,000
	40 or more	35	87,849	33,855	65,000	85,000	97,700

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.2.1
SALARIES of BS CHEMISTS employed FULL-TIME in INDUSTRY
by WORK SPECIALTY and YEARS SINCE BS
2000 ACS Salary Survey

		Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
Ag/Food chemistry	Total	280	61,211	33,474	39,635	53,000	72,000
	2-4	35	35,779	5,713	31,250	36,000	39,000
	5-9	48	42,670	12,249	34,750	40,000	49,863
	10-14	43	50,371	12,110	43,000	51,660	55,475
	15-19	34	58,406	16,405	46,592	56,700	72,000
	20-24	48	69,420	22,573	53,000	66,000	85,000
	25-29	36	91,042	58,006	55,300	74,000	100,000
	30-34	18	86,306	34,000	60,000	75,400	104,000
Analytical chemistry	Total	2190	54,138	19,101	40,900	51,000	64,000
	2-4	313	37,679	7,411	32,098	37,000	42,536
	5-9	453	44,222	10,305	36,400	43,000	50,300
	10-14	342	51,933	12,158	43,500	51,769	59,500
	15-19	267	57,941	15,021	48,000	56,000	66,430
	20-24	327	62,112	17,078	50,985	60,000	72,000
	25-29	202	68,188	21,914	54,000	64,300	79,200
	30-34	146	68,292	26,073	50,274	65,100	80,000
	35-39	83	69,206	22,905	60,000	68,500	76,500
	40 or more	44	71,023	26,436	60,000	66,000	77,256
Biochemistry	Total	112	59,135	31,646	41,000	51,000	66,000
	2-4	20	39,846	7,074	36,800	41,500	44,400
	5-9	24	45,351	12,102	36,200	43,389	55,000
	10-14	21	59,751	20,805	45,000	56,640	66,000
	20-24	15	87,681	23,502	70,000	80,803	93,000
Biotechnology	Total	154	59,568	44,793	40,000	52,000	67,000
	2-4	42	37,638	9,065	31,000	35,080	44,400
	5-9	34	47,452	9,090	40,000	44,892	54,000
	10-14	24	54,825	10,348	47,000	57,000	61,200
	15-19	27	74,504	21,740	67,000	70,002	77,700
Chemical ed	Total	18	67,177	41,524	45,000	55,000	68,000
Clinical chem	Total	28	63,053	23,587	48,000	60,379	77,428
Environmental chemistry	Total	542	55,886	24,338	40,000	51,000	67,340
	2-4	50	33,973	12,491	26,520	31,000	35,900
	5-9	90	41,954	9,496	36,000	40,200	49,200
	10-14	101	50,781	13,131	40,800	49,317	58,265
	15-19	101	60,625	20,005	45,630	59,820	71,000
	20-24	85	67,074	25,130	50,000	67,340	78,000
	25-29	60	62,839	17,588	50,000	61,000	72,000
	30-34	32	72,448	26,164	49,500	70,007	87,000
General chemistry	Total	412	61,010	26,276	44,000	57,000	71,000
	2-4	49	37,826	10,822	30,000	38,000	42,000
	5-9	65	46,612	11,298	38,420	45,400	53,000
	10-14	57	54,719	15,266	44,000	56,000	63,500
	15-19	50	62,773	19,294	49,000	60,000	74,300
	20-24	60	70,819	20,609	55,000	68,712	78,000
	25-29	58	67,198	21,330	55,350	61,776	76,000
	30-34	42	77,201	30,116	59,000	66,180	92,350
	35-39	21	69,354	26,611	48,000	64,000	81,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.2.1
SALARIES of BS CHEMISTS employed FULL-TIME in INDUSTRY
by WORK SPECIALTY and YEARS SINCE BS
2000 ACS Salary Survey (cont.)

		Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
Inorganic chemistry	Total	189	55,473	21,345	42,500	51,000	65,000
	2-4	26	40,729	10,111	32,100	37,000	47,410
	5-9	37	44,379	11,046	38,690	43,992	50,000
	10-14	24	49,622	13,099	43,500	47,000	50,200
	15-19	30	62,244	14,953	50,000	65,000	71,900
	20-24	23	61,772	18,178	52,395	61,000	65,000
	25-29	22	63,964	25,477	47,026	55,000	74,100
Materials science	Total	274	62,903	23,228	47,000	58,500	75,000
	2-4	31	39,974	7,788	34,670	39,000	45,500
	5-9	41	47,167	13,584	37,658	46,800	51,900
	10-14	33	54,962	10,404	48,000	54,000	62,500
	15-19	39	67,051	19,983	54,900	65,000	75,000
	20-24	42	74,882	22,790	59,148	71,000	82,835
	25-29	34	75,601	24,562	60,000	69,602	85,000
	30-34	24	76,374	27,897	55,000	68,000	89,000
	40 or more	15	69,444	19,628	65,000	70,000	80,000
Medicinal-Pharma ceutical	Total	583	56,807	19,776	43,852	52,000	65,510
	2-4	113	41,353	7,276	35,000	41,976	46,100
	5-9	144	47,218	8,964	41,500	47,700	52,000
	10-14	100	55,971	14,007	48,000	54,564	62,000
	15-19	73	63,498	17,895	49,600	63,092	74,800
	20-24	58	71,421	21,090	57,000	69,138	83,050
	25-29	41	73,555	14,788	60,793	72,500	86,500
	30-34	23	81,563	28,991	58,000	86,000	93,600
	35-39	20	79,351	27,109	62,500	75,100	96,000
Organic chemistry	Total	663	62,543	28,035	44,400	56,000	74,000
	2-4	128	41,820	10,675	36,153	41,051	45,150
	5-9	111	47,932	21,914	40,000	45,006	51,000
	10-14	89	56,113	12,887	46,989	56,000	62,400
	15-19	81	66,749	16,902	52,500	63,700	79,500
	20-24	88	72,907	20,029	59,000	70,090	81,000
	25-29	70	80,973	27,599	64,000	75,000	91,875
	30-34	43	83,226	33,137	62,000	75,000	101,552
	35-39	34	86,144	27,297	69,500	79,000	98,500
	40 or more	17	100,439	69,851	63,088	84,500	106,000
Physical chemistry	Total	82	65,125	26,555	45,000	61,000	80,000
	5-9	16	48,546	9,111	42,900	46,000	52,780
	15-19	17	73,690	32,905	50,000	65,000	82,500
Polymer chemistry	Total	700	66,205	32,898	47,590	60,600	78,500
	2-4	104	39,692	8,204	33,500	38,900	44,000
	5-9	104	49,287	11,281	41,600	47,028	55,000
	10-14	89	59,943	15,846	51,000	57,000	68,472
	15-19	100	75,973	56,285	57,000	67,500	78,600
	20-24	95	75,629	18,339	63,000	76,000	86,100
	25-29	95	77,254	20,646	62,200	75,000	89,648
	30-34	50	88,869	24,289	70,000	86,600	106,500
	35-39	45	81,266	43,439	58,000	72,800	90,000
	40 or more	17	87,519	48,174	60,000	77,200	96,500

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.2.1
SALARIES of BS CHEMISTS employed FULL-TIME in INDUSTRY
by WORK SPECIALTY and YEARS SINCE BS
2000 ACS Salary Survey (cont.)

		Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
Other chemical science	Total	208	60,255	34,865	43,000	53,000	68,000
	2-4	33	39,203	9,612	33,000	37,128	45,000
	5-9	46	47,573	9,875	40,239	46,500	54,000
	10-14	27	55,402	14,608	43,000	53,000	65,120
	15-19	22	61,740	16,533	50,800	56,000	68,600
	20-24	28	73,671	30,228	52,000	67,620	86,000
	25-29	22	68,562	24,338	51,000	66,000	76,822
Business Administration	Total	137	93,973	64,380	54,000	83,000	113,850
	5-9	20	49,688	22,930	38,000	42,800	50,800
	15-19	18	78,315	27,077	60,000	72,000	85,000
	20-24	17	101,122	36,960	75,000	91,680	120,000
	25-29	21	114,552	103,971	78,600	87,000	115,000
	30-34	19	99,145	34,101	70,000	100,000	113,850
	35-39	16	138,968	93,651	81,000	114,960	144,000
Computer science	Total	83	64,682	24,757	47,840	62,000	76,500
	20-24	20	75,125	20,361	56,000	73,000	84,000
Law	Total	19	63,872	23,249	44,000	60,000	75,600
Other nonchemistry	Total	300	68,751	35,661	49,000	62,000	80,000
	2-4	22	41,433	11,264	35,500	38,000	48,200
	5-9	43	46,679	9,475	39,000	45,000	52,000
	10-14	42	59,491	17,035	49,600	57,800	68,000
	15-19	41	66,274	19,664	54,000	61,200	73,000
	20-24	54	73,479	32,099	60,000	66,000	83,000
	25-29	35	95,098	65,346	66,000	81,100	100,000
	30-34	36	86,743	33,814	63,000	86,000	98,000
	35-39	20	76,401	32,958	53,040	67,900	94,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.2.2
SALARIES of BS CHEMISTS employed FULL-TIME in INDUSTRY
by WORK FUNCTION and YEARS SINCE BS
2000 ACS Salary Survey

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
WORK FUNCT	Analytical services	Total	1637	50,211	16,308	38,100	48,000	60,000
		2-4	273	36,451	8,434	30,400	35,880	41,145
		5-9	344	42,489	9,808	35,500	41,500	49,000
		10-14	270	48,855	11,481	40,500	48,000	55,000
		15-19	205	54,151	13,047	45,000	53,100	63,000
		20-24	210	58,113	15,585	49,000	57,000	67,340
		25-29	133	60,841	15,239	50,000	60,000	69,400
		30-34	109	65,321	20,671	50,274	61,000	75,700
		35-39	61	64,781	16,736	53,700	65,000	74,600
		40 or more	24	68,978	26,043	49,700	65,000	73,618
	Chemical info	Total	79	56,314	27,975	40,545	54,000	63,900
		5-9	21	45,618	13,383	32,000	48,925	54,000
	Computers	Total	68	64,174	22,848	50,000	60,000	76,900
		20-24	17	74,891	18,750	55,080	73,000	85,000
	Consulting	Total	96	72,284	42,565	48,000	62,362	80,000
		15-19	17	67,252	14,933	53,350	66,000	78,120
		20-24	15	73,767	26,604	50,000	68,500	71,000
	Forensics	Total	16	55,177	21,624	39,800	42,400	71,100
	General mgmt	Total	405	86,155	56,634	54,100	72,100	97,000
		2-4	20	48,129	21,027	37,000	40,100	48,880
		5-9	40	49,414	11,069	41,000	48,000	54,080
		10-14	49	61,389	15,511	50,000	59,000	71,000
		15-19	56	73,343	25,697	54,100	70,500	82,900
		20-24	71	84,801	38,385	65,000	72,800	95,000
		25-29	62	103,638	81,037	67,000	85,000	108,000
		30-34	43	101,835	39,754	77,650	93,600	110,000
		35-39	36	131,233	99,031	70,000	90,000	144,000
		40 or more	27	118,961	50,872	77,854	115,000	150,000
	Health & Safety	Total	235	63,927	20,575	48,000	60,000	78,488
		5-9	31	45,204	9,604	39,400	45,000	50,085
		10-14	34	55,761	11,924	47,320	54,000	61,000
		15-19	34	65,084	20,395	51,000	62,940	76,200
		20-24	48	75,164	19,113	60,000	72,000	87,000
		25-29	33	65,216	18,496	53,000	61,776	75,500
		30-34	26	77,145	17,795	64,202	78,200	90,000
	Marketing, sales	Total	504	70,220	29,108	50,000	67,000	82,404
		2-4	33	38,401	8,337	32,000	37,500	42,000
		5-9	63	50,235	13,064	42,000	47,500	56,000
		10-14	72	62,017	17,507	50,000	60,412	69,000
		15-19	80	73,700	23,309	60,000	70,500	84,000
		20-24	86	75,393	23,324	62,000	73,900	83,356
		25-29	71	89,285	34,877	69,132	81,000	100,000
		30-34	41	75,589	37,553	50,100	70,000	87,000
		35-39	30	82,457	33,329	60,000	82,500	90,000
		40 or more	26	81,476	31,938	67,000	76,600	89,750

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.2.2
SALARIES of BS CHEMISTS employed FULL-TIME in INDUSTRY
by WORK FUNCTION and YEARS SINCE BS
2000 ACS Salary Survey (cont.)

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
WORK FUNCT	Production, QC	Total	1140	53,533	19,168	39,624	50,000	63,000
		2-4	180	37,283	8,071	31,129	36,000	43,000
		5-9	251	43,788	10,331	36,500	42,300	50,000
		10-14	163	51,734	12,565	43,260	52,000	59,093
		15-19	139	60,142	17,253	48,000	59,040	70,000
		20-24	156	63,009	18,659	49,380	60,000	71,000
		25-29	119	66,251	20,261	52,000	63,000	76,400
		30-34	60	70,357	25,850	52,100	62,000	85,500
		35-39	48	65,395	24,887	48,000	60,236	79,000
		40 or more	20	62,286	15,880	51,000	60,000	70,406
	Applied Research	Total	1760	57,889	22,617	44,000	54,080	68,000
		2-4	308	40,550	7,665	35,000	40,800	45,000
		5-9	344	47,176	9,715	40,565	47,000	52,650
		10-14	271	54,914	11,825	47,000	54,581	61,360
		15-19	244	64,973	37,181	51,532	63,000	72,000
		20-24	220	68,932	17,120	56,000	67,000	80,000
		25-29	176	71,307	19,600	57,800	69,400	80,000
		30-34	103	76,962	20,138	62,000	75,000	91,000
		35-39	59	75,340	20,454	62,000	72,000	80,000
		40 or more	31	70,035	20,268	57,000	68,000	75,313
	Basic Research	Total	310	52,399	16,764	41,300	48,734	60,500
		2-4	96	40,851	7,159	36,000	41,000	46,100
		5-9	81	46,855	8,933	40,659	48,000	52,000
		10-14	36	56,274	11,001	49,000	55,000	63,700
		15-19	33	62,048	14,954	50,000	61,250	74,000
		20-24	23	67,340	18,287	49,150	70,000	81,000
		25-29	19	69,317	18,402	64,000	71,000	78,780
	R&D mgmt	Total	345	85,924	40,251	61,992	80,000	100,000
		5-9	37	56,004	19,554	41,500	53,000	63,250
		10-14	36	66,041	17,882	52,920	64,000	71,500
		15-19	48	84,116	25,331	65,000	83,000	96,000
		20-24	79	87,163	23,068	72,923	83,000	99,323
		25-29	60	99,589	40,990	75,000	88,920	108,800
		30-34	40	112,731	70,420	75,000	100,000	120,000
		35-39	18	91,643	26,305	76,400	80,000	105,500
	Training	Total	22	54,720	14,573	43,000	54,000	67,600
	Other function	Total	317	62,107	25,380	46,800	59,790	72,900
		2-4	37	40,851	11,752	33,280	40,800	46,500
		5-9	52	51,088	29,643	40,000	47,840	53,000
		10-14	54	58,677	21,800	47,900	58,000	67,000
		15-19	49	65,565	14,583	56,000	63,700	73,000
		20-24	45	67,359	16,228	59,124	68,500	78,000
		25-29	38	73,687	19,857	62,000	69,000	89,648
		30-34	22	86,179	38,524	65,500	75,000	101,000
		35-39	15	68,349	21,357	53,040	63,000	75,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.2.3
SALARIES of BS CHEMISTS employed FULL-TIME in INDUSTRY
by INDUSTRY and YEARS SINCE BS
2000 ACS Salary Survey

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
EMPLOYER	Analytical serv lab	Total	509	47,061	19,624	34,179	42,500	54,000
		2-4	72	33,040	8,931	27,300	31,500	36,200
		5-9	126	38,811	8,988	33,500	38,688	45,000
		10-14	92	46,373	13,334	37,000	46,000	52,761
		15-19	79	50,450	16,188	40,000	45,630	59,107
		20-24	60	57,202	21,430	45,000	53,500	65,200
		25-29	33	65,223	26,017	48,000	59,000	75,547
		30-34	27	54,937	20,653	41,000	49,000	65,003
	Contract res firm	Total	165	50,504	21,657	36,000	44,000	57,000
		2-4	52	35,751	6,277	32,000	35,880	39,000
		5-9	31	42,965	8,308	37,440	42,000	47,325
		10-14	30	56,381	19,635	43,000	54,000	65,000
		15-19	20	55,895	17,093	39,900	52,500	64,000
	Utility	Total	118	61,436	18,353	49,483	63,000	71,964
		15-19	31	59,797	14,387	52,000	62,940	70,000
		20-24	19	62,309	11,420	49,370	65,000	68,000
		25-29	21	71,779	14,942	65,802	71,000	80,000
	Other nonmanuf	Total	348	62,601	30,878	43,800	55,000	72,000
		2-4	46	41,656	10,089	34,000	40,800	45,500
		5-9	45	43,566	11,935	36,000	43,000	50,000
		10-14	58	54,810	15,318	45,000	51,769	65,000
		15-19	45	61,697	14,895	49,000	60,500	71,800
		20-24	64	79,195	38,856	54,000	70,500	84,000
		25-29	36	67,190	22,452	50,000	60,000	83,000
		30-34	28	81,792	43,914	49,000	75,000	90,000
		35-39	17	88,111	48,159	59,280	79,000	90,000
	Aerospace	Total	84	68,342	21,748	52,500	64,300	76,024
		25-29	16	60,665	15,521	50,000	61,776	64,300
	Ag chemicals	Total	180	58,240	24,180	40,890	51,480	70,000
		2-4	25	35,470	5,225	31,390	36,000	39,600
		5-9	38	41,524	6,364	36,000	41,300	46,600
		10-14	30	52,378	12,041	43,500	49,437	58,000
		15-19	19	59,871	12,832	49,400	60,500	65,000
		20-24	23	74,124	24,430	56,000	73,000	87,710
		25-29	20	78,314	25,318	61,000	74,000	86,000
	Basic chemicals	Total	208	66,535	42,025	47,232	62,000	77,163
		2-4	17	39,040	7,442	31,129	39,024	44,226
		5-9	27	42,801	12,338	33,000	41,000	47,500
		10-14	27	55,032	17,822	40,000	53,000	62,000
		15-19	26	64,777	17,038	52,000	62,000	75,000
		20-24	36	70,814	15,449	62,500	69,900	80,000
		25-29	25	75,838	19,522	60,000	75,000	83,000
		30-34	24	75,942	19,843	60,000	70,000	90,420
		35-39	21	103,403	111,176	50,504	69,500	87,000
	Biochem prods	Total	87	62,387	58,972	38,000	49,200	67,550
		2-4	20	35,107	7,539	30,100	34,000	39,200
	Bldg mats	Total	54	62,242	33,002	45,762	53,000	68,500

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.2.3
SALARIES of BS CHEMISTS employed FULL-TIME in INDUSTRY
by INDUSTRY and YEARS SINCE BS
2000 ACS Salary Survey (cont.)

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
EMPLOYER	Coatings, inks, paints	Total	387	61,110	28,275	42,500	55,000	72,000
		2-4	70	39,627	12,743	32,500	38,000	41,868
		5-9	78	48,263	11,931	40,000	46,000	53,426
		10-14	46	55,622	15,302	43,500	53,500	60,200
		15-19	40	66,618	17,790	51,532	67,000	77,000
		20-24	48	70,281	20,489	54,000	68,985	81,000
		25-29	47	78,610	29,612	57,756	72,824	86,500
		30-34	26	81,171	22,839	64,000	70,500	98,000
		35-39	21	75,770	28,035	60,000	70,304	88,000
	Electronic/ semi conductors	Total	131	60,706	23,464	43,700	57,000	73,500
		2-4	15	43,047	11,284	35,100	39,905	45,500
		5-9	32	46,172	15,212	37,658	44,104	49,700
		10-14	16	50,939	13,420	41,000	50,500	56,700
		15-19	21	69,646	23,589	51,000	62,000	82,600
		20-24	20	84,477	27,253	65,000	73,500	89,000
	Food	Total	250	59,311	30,898	40,300	52,600	70,000
		2-4	29	36,193	5,993	31,000	36,000	41,400
		5-9	41	43,215	9,104	35,500	41,000	49,440
		10-14	30	49,753	14,073	40,100	45,000	57,204
		15-19	30	57,206	14,477	46,592	54,590	70,000
		20-24	52	62,633	16,626	52,080	61,857	75,000
		25-29	28	88,292	63,925	50,000	70,000	92,000
		30-34	21	79,478	28,438	52,936	74,400	100,000
	Instruments	Total	144	65,581	33,544	45,000	58,000	75,000
		2-4	15	37,375	6,871	32,240	37,000	40,560
		5-9	19	50,816	17,694	40,040	48,000	54,000
		10-14	22	58,082	22,441	44,000	54,080	66,000
		15-19	24	65,793	15,499	53,544	62,000	71,000
		20-24	16	69,538	19,227	53,000	68,200	76,100
		25-29	19	92,039	47,654	60,000	75,500	100,000
	Medical devices	Total	220	57,085	21,636	42,000	52,500	66,408
		2-4	38	35,959	10,152	28,400	32,032	41,100
		5-9	42	47,133	8,661	41,070	48,000	50,500
		10-14	35	50,837	11,282	46,000	50,000	56,000
		15-19	27	65,560	19,179	53,000	64,000	72,800
		20-24	27	69,715	21,814	56,000	60,500	83,000
		25-29	23	77,197	23,122	60,379	71,637	89,250
	Metals	Total	162	57,373	35,583	41,880	50,000	64,348
		2-4	17	35,807	5,885	30,000	36,483	41,400
		5-9	22	43,295	9,540	36,400	40,700	50,000
		10-14	24	46,093	7,672	41,880	46,451	48,960
		20-24	31	62,561	30,194	45,884	60,000	68,000
		25-29	30	73,025	67,053	48,800	60,000	72,000
	Paper	Total	74	60,548	27,147	43,000	54,457	69,000
		20-24	15	66,780	18,623	54,730	65,000	74,000
	Personal Care	Total	106	63,967	37,040	42,040	54,947	72,000
		2-4	24	42,258	12,096	31,200	41,500	46,000
		5-9	24	46,669	8,507	41,000	48,000	52,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.2.3
SALARIES of BS CHEMISTS employed FULL-TIME in INDUSTRY
by INDUSTRY and YEARS SINCE BS
2000 ACS Salary Survey (cont.)

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
EMPLOYER	Petroleum	Total	195	64,867	27,268	48,000	59,500	76,400
		2-4	17	43,024	12,066	36,400	40,000	43,200
		5-9	26	46,408	6,743	41,500	46,100	50,000
		10-14	22	59,021	12,209	52,400	57,900	65,500
		15-19	30	60,956	14,807	51,300	59,820	69,700
		20-24	43	68,574	19,596	52,000	66,480	84,000
		25-29	31	72,900	20,345	54,000	75,000	89,000
	Pharma-ceuticals	Total	1585	57,969	20,545	44,500	54,000	67,000
		2-4	301	41,333	7,172	35,500	42,000	46,010
		5-9	369	48,287	10,745	41,500	48,000	54,000
		10-14	281	57,538	14,659	49,000	56,000	63,700
		15-19	199	65,211	16,673	54,000	63,000	72,540
		20-24	175	70,928	18,881	59,500	69,998	81,000
		25-29	122	75,068	25,671	59,400	72,500	85,400
		30-34	73	81,503	27,121	60,000	75,500	100,000
		35-39	35	82,633	24,621	65,222	81,900	98,500
		40 or more	21	80,048	23,733	59,000	75,920	93,000
	Plastics	Total	265	66,486	41,073	48,000	60,000	75,000
		2-4	30	41,467	7,319	36,000	40,000	47,500
		5-9	36	48,049	10,479	41,000	47,000	55,000
		10-14	42	58,377	16,134	47,000	57,000	71,000
		15-19	43	81,372	81,792	57,000	63,000	76,600
		20-24	42	75,049	21,794	58,200	71,000	86,100
		25-29	29	72,933	25,152	54,000	67,200	80,000
		30-34	19	74,263	19,731	58,000	75,000	80,000
		35-39	15	75,319	32,296	58,000	65,000	80,000
	Rubber	Total	167	67,844	31,013	49,270	63,000	80,000
		2-4	17	41,886	6,961	36,500	42,000	46,500
		5-9	27	46,263	13,156	37,300	43,600	52,000
		10-14	17	54,244	9,536	45,000	54,000	58,500
		15-19	19	74,629	33,211	60,000	64,430	74,970
		20-24	27	70,337	17,836	60,000	67,063	78,000
		25-29	26	79,281	19,637	62,222	76,680	92,200
		35-39	16	101,664	58,537	68,210	85,000	110,000
	Soaps	Total	145	62,630	29,370	43,800	57,500	73,500
		5-9	32	45,587	9,095	39,400	45,081	50,000
		10-14	19	53,845	12,291	41,000	58,000	62,400
		15-19	24	64,950	16,450	50,000	67,250	75,000
		20-24	19	74,958	20,560	61,500	74,000	82,420
		25-29	16	69,721	25,923	49,000	60,000	74,100
	Specialty chems	Total	584	63,125	31,408	45,000	57,500	74,000
		2-4	69	39,675	7,134	34,989	38,450	44,000
		5-9	95	47,720	22,950	38,000	45,000	51,000
		10-14	89	54,953	14,466	44,846	53,000	61,000
		15-19	87	65,172	18,821	51,168	64,500	75,000
		20-24	85	67,296	18,868	55,000	67,999	76,500
		25-29	66	76,229	25,598	60,000	72,000	85,000
		30-34	53	92,189	63,975	60,200	77,500	104,000
		35-39	25	84,449	36,667	60,000	76,050	95,000
	Textiles	Total	45	60,389	20,851	40,000	64,751	72,804

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.2.3
SALARIES of BS CHEMISTS employed FULL-TIME in INDUSTRY
by INDUSTRY and YEARS SINCE BS
2000 ACS Salary Survey (cont.)

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
EMPLOYER	Other manu-facturing	Total	761	59,393	24,244	42,500	54,000	71,000
		2-4	77	36,594	9,398	30,888	35,000	41,500
		5-9	135	43,936	9,694	37,000	42,900	50,000
		10-14	93	53,736	13,149	43,500	54,000	60,500
		15-19	105	60,846	18,174	48,900	56,200	71,000
		20-24	128	67,728	21,272	52,000	62,500	80,000
		25-29	90	69,848	25,691	52,750	67,000	80,800
		30-34	62	79,262	33,321	60,000	68,360	94,200
		35-39	45	71,664	26,994	53,700	67,900	85,000
		40 or more	24	78,377	33,967	52,000	67,000	96,500

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.2.4
SALARIES of BS CHEMISTS employed FULL-TIME in INDUSTRY
by GEOGRAPHIC REGION and YEARS SINCE BS
2000 ACS Salary Survey

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
GEOGRAPHIC REGION	Pacific	Total	710	62,113	26,864	45,000	56,000	72,600
		2-4	91	40,146	10,189	33,500	40,000	45,000
		5-9	131	48,465	12,303	41,000	48,900	52,600
		10-14	118	56,707	14,577	47,000	57,000	65,000
		15-19	104	66,040	20,555	50,000	64,450	76,000
		20-24	93	72,384	26,908	53,165	70,000	83,000
		25-29	65	76,905	32,409	55,600	70,000	90,000
		30-34	48	76,173	21,207	60,000	74,000	91,270
		35-39	29	90,659	54,870	64,000	78,400	90,000
		40 or more	25	88,909	31,739	66,000	80,000	104,000
	Mountain	Total	284	56,042	22,504	40,000	51,000	67,600
		2-4	37	35,283	7,326	29,850	35,000	39,000
		5-9	46	42,059	11,406	35,000	41,000	49,704
		10-14	42	51,003	12,932	42,000	49,437	59,000
		15-19	44	63,692	19,008	50,000	62,000	72,000
		20-24	50	66,985	27,652	48,000	65,000	82,000
		25-29	27	61,575	13,333	50,000	61,139	69,400
		30-34	21	72,742	27,194	49,950	67,920	89,000
	West North Central	Total	546	53,298	22,669	39,200	49,394	62,000
		2-4	79	36,050	7,115	30,000	36,000	41,100
		5-9	121	42,012	8,732	35,000	41,500	48,000
		10-14	101	52,731	14,993	43,200	51,000	58,893
		15-19	70	55,201	14,276	45,312	55,000	63,500
		20-24	63	63,601	16,868	52,576	62,600	70,944
		25-29	52	73,848	39,128	56,000	64,880	80,000
		30-34	29	73,404	31,745	56,000	61,000	75,000
		35-39	20	63,958	18,685	50,000	58,000	67,000
	West South Central	Total	485	61,878	34,099	43,400	56,000	73,900
		2-4	68	37,943	8,492	32,000	37,500	42,000
		5-9	76	46,134	9,472	39,000	44,040	51,100
		10-14	68	53,577	12,584	44,000	51,769	60,000
		15-19	53	77,106	73,233	55,200	63,700	83,000
		20-24	80	70,696	24,341	54,000	68,688	85,000
		25-29	61	76,620	21,528	60,000	74,000	91,200
		30-34	39	73,660	33,417	52,000	73,187	84,500
		35-39	25	76,401	29,934	53,880	72,000	104,700
	East North Central	Total	1617	59,521	30,158	42,300	54,000	70,000
		2-4	216	38,178	8,063	32,416	37,700	43,479
		5-9	324	44,693	10,090	37,500	43,400	50,200
		10-14	208	53,111	13,693	45,000	53,500	60,300
		15-19	214	62,587	22,048	49,700	59,360	70,002
		20-24	234	70,026	20,998	56,000	68,000	80,400
		25-29	177	76,876	44,809	58,000	72,000	83,000
		30-34	109	74,193	29,888	54,500	68,000	88,860
		35-39	91	85,399	61,595	60,000	70,304	90,000
		40 or more	37	77,637	27,779	63,000	70,406	93,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.2.4
SALARIES of BS CHEMISTS employed FULL-TIME in INDUSTRY
by GEOGRAPHIC REGION and YEARS SINCE BS
2000 ACS Salary Survey (cont.)

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
GEOGRAPHIC REGION	East South Central	Total	255	55,964	18,241	42,300	53,100	65,000
		2-4	22	37,119	7,180	33,500	36,000	41,000
		5-9	46	45,906	12,555	36,660	43,100	52,000
		10-14	43	50,535	11,834	44,000	51,000	57,900
		15-19	29	58,207	14,300	46,592	54,100	65,000
		20-24	44	60,369	16,432	45,100	60,000	73,100
		25-29	32	66,984	21,312	53,000	62,000	75,000
		30-34	18	73,531	23,044	58,000	75,000	87,000
		35-39	18	63,064	14,161	55,000	63,000	66,000
	Middle Atlantic	Total	1405	62,736	30,576	45,000	56,411	72,000
		2-4	217	41,200	8,597	35,000	41,000	46,000
		5-9	223	48,733	17,840	41,000	47,000	53,068
		10-14	201	57,358	17,533	47,060	55,000	65,000
		15-19	194	63,618	18,022	51,000	63,000	73,500
		20-24	208	69,890	22,504	56,800	68,250	79,000
		25-29	166	76,068	32,154	57,000	68,900	82,500
		30-34	99	90,013	52,029	63,202	79,253	100,200
		35-39	54	78,924	30,711	60,236	71,000	90,000
		40 or more	38	102,880	67,638	65,000	80,000	118,000
	South Atlantic	Total	1013	58,461	25,097	41,000	53,000	70,000
		2-4	144	37,991	8,261	32,500	37,000	42,000
		5-9	200	44,572	10,700	36,600	42,500	50,000
		10-14	159	53,388	13,785	44,000	52,500	61,360
		15-19	135	61,281	17,901	48,300	60,500	72,500
		20-24	139	70,273	22,238	55,560	68,000	82,000
		25-29	95	71,547	22,541	55,200	67,300	86,300
		30-34	75	82,134	32,421	57,500	79,000	102,000
		35-39	44	83,003	41,040	65,160	74,500	83,000
		40 or more	20	80,579	49,779	51,900	60,000	89,750
	New England	Total	508	60,030	27,573	44,200	54,700	70,000
		2-4	91	42,017	12,083	35,568	42,000	45,000
		5-9	107	47,929	10,217	40,000	49,000	53,734
		10-14	70	55,756	13,046	47,000	55,000	64,600
		15-19	69	68,521	19,266	58,000	67,000	77,530
		20-24	64	68,371	21,323	50,185	65,000	79,500
		25-29	53	82,426	51,801	57,230	75,000	90,000
		30-34	27	79,275	32,835	57,500	67,100	91,000
		35-39	17	80,548	30,693	53,000	85,000	98,244

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.2.5
SALARIES of BS CHEMISTS employed FULL-TIME in INDUSTRY
by TOTAL SUBORDINATES and YEARS SINCE BS
2000 ACS Salary Survey

		Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
None	Total	2490	50,959	17,857	38,690	48,000	60,000
	2-4	581	38,268	7,814	32,800	37,492	43,420
	5-9	561	44,147	9,883	37,250	43,680	50,700
	10-14	357	50,423	12,581	42,100	50,000	57,750
	15-19	292	58,007	14,974	47,500	56,000	69,000
	20-24	276	62,108	16,304	50,862	60,000	73,000
	25-29	193	64,009	16,691	52,000	62,300	75,000
	30-34	111	66,493	21,145	53,000	64,700	77,000
	35-39	64	66,063	19,364	54,568	64,664	75,439
	40 or more	48	74,831	48,410	48,000	65,000	84,500
1-2	Total	1716	55,975	19,409	42,000	52,936	66,000
	2-4	233	38,947	8,162	33,000	40,000	44,000
	5-9	340	44,665	9,698	37,648	43,800	50,000
	10-14	284	54,073	11,861	46,025	54,000	61,000
	15-19	236	60,738	14,215	50,000	61,452	70,000
	20-24	224	65,334	16,744	52,608	65,400	75,000
	25-29	166	65,989	19,571	54,000	63,100	77,300
	30-34	102	69,763	23,942	53,100	65,700	80,400
	35-39	82	71,203	22,799	57,700	70,304	81,000
	40 or more	39	80,060	42,176	60,000	70,000	80,000
3-9	Total	617	66,365	27,522	48,200	61,000	77,910
	2-4	32	38,588	11,309	30,000	35,900	42,000
	5-9	103	48,070	10,840	41,800	48,000	53,000
	10-14	75	57,582	15,111	47,000	57,000	64,000
	15-19	90	65,778	19,379	52,105	64,500	76,000
	20-24	109	70,480	22,493	54,000	66,690	84,000
	25-29	84	78,190	27,963	60,000	75,000	87,000
	30-34	59	78,825	27,650	60,000	74,000	95,761
	35-39	45	84,492	43,591	60,000	75,000	100,700
	40 or more	18	96,086	44,399	68,640	88,000	110,000
10-14	Total	416	62,119	26,050	48,000	58,000	72,000
	2-4	35	43,004	7,730	39,000	42,000	48,000
	5-9	68	49,122	12,446	41,000	47,780	55,000
	10-14	69	57,526	13,539	47,760	56,520	66,000
	15-19	50	62,778	14,291	51,116	60,000	71,135
	20-24	73	65,750	16,215	55,650	65,000	73,100
	25-29	53	76,991	51,570	52,656	69,500	86,600
	30-34	28	79,566	26,824	55,000	78,662	95,000
	35-39	23	69,690	23,286	55,000	65,000	75,000
	40 or more	15	70,466	24,186	61,200	70,000	80,000
15-29	Total	481	64,646	35,895	45,000	59,124	75,900
	2-4	47	38,548	9,056	32,000	37,000	45,000
	5-9	68	50,104	26,534	40,000	45,000	52,000
	10-14	78	53,796	14,246	44,000	52,000	62,750
	15-19	79	71,338	61,550	49,400	63,700	79,000
	20-24	82	76,583	29,583	60,000	72,000	90,000
	25-29	63	74,787	21,303	60,000	72,000	80,000
	30-34	37	82,811	32,918	62,000	81,250	93,600
	35-39	20	76,294	34,726	52,000	62,000	86,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.2.5
SALARIES of BS CHEMISTS employed FULL-TIME in INDUSTRY
by TOTAL SUBORDINATES and YEARS SINCE BS
2000 ACS Salary Survey (cont.)

		Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
30-49	Total	410	66,799	35,630	46,254	60,000	79,700
	2-4	32	41,737	14,008	31,000	39,000	45,500
	5-9	66	45,384	9,012	39,000	45,000	51,000
	10-14	66	56,240	16,455	46,000	52,500	63,627
	15-19	62	70,541	26,182	55,000	69,000	83,496
	20-24	61	74,115	23,032	60,000	72,000	88,500
	25-29	47	83,612	41,145	59,000	75,000	91,200
	30-34	41	90,303	71,752	66,850	78,000	90,000
	35-39	23	77,152	28,670	60,000	68,500	83,000
50 or more	Total	844	80,912	43,032	55,000	71,500	95,000
	2-4	37	44,650	17,114	32,416	40,800	49,000
	5-9	90	51,788	16,862	40,000	48,000	60,000
	10-14	103	64,474	21,304	50,000	60,000	71,500
	15-19	125	73,899	27,162	55,600	66,000	80,000
	20-24	168	81,514	28,747	64,500	75,000	93,000
	25-29	135	96,740	54,246	71,000	85,400	108,000
	30-34	97	97,716	36,012	68,360	98,000	113,850
	35-39	55	112,944	79,155	70,000	90,000	120,000
	40 or more	31	112,067	52,821	70,000	96,500	150,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.2.6
SALARIES of BS CHEMISTS employed FULL-TIME in INDUSTRY
by EMPLOYER SIZE and YEARS SINCE BS
2000 ACS Salary Survey

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
EMPLOYER SIZE	Less than 50	Total	638	57,842	39,057	37,000	48,000	65,000
		2-4	99	35,933	12,917	30,000	34,000	39,000
		5-9	107	41,033	12,382	33,072	40,000	48,000
		10-14	85	48,774	17,808	37,650	47,000	54,000
		15-19	76	56,919	24,563	43,000	52,000	65,000
		20-24	78	64,884	34,789	45,000	56,400	80,800
		25-29	71	72,595	61,145	50,000	60,000	80,000
		30-34	49	84,797	50,365	48,000	66,000	106,500
		35-39	42	75,675	37,140	49,920	66,000	85,000
		40 or more	30	97,001	67,930	50,000	70,000	150,000
	50 to 99	Total	413	56,617	37,607	36,400	48,000	62,500
		2-4	65	34,905	9,451	28,950	33,500	40,000
		5-9	88	44,476	24,319	34,890	40,000	48,000
		10-14	73	50,306	13,697	40,000	49,000	60,000
		15-19	53	60,450	21,199	46,500	56,000	70,000
		20-24	45	64,721	30,237	46,000	58,800	80,000
		25-29	34	68,224	36,993	42,000	58,000	77,910
		30-34	29	101,906	88,598	55,000	85,000	100,000
		35-39	15	87,269	48,995	59,500	65,000	92,300
	100 to 499	Total	1105	57,125	32,027	39,000	50,000	66,400
		2-4	177	36,970	8,108	31,000	35,568	40,560
		5-9	238	43,110	10,350	36,000	40,500	49,200
		10-14	155	54,446	19,400	43,000	52,000	61,000
		15-19	168	65,260	45,120	49,000	57,000	75,000
		20-24	142	67,133	22,836	52,000	63,186	77,000
		25-29	99	76,419	39,416	52,000	66,755	84,460
		30-34	50	78,196	26,514	60,000	72,000	92,910
		35-39	44	80,823	61,117	50,504	60,000	80,000
		40 or more	24	84,430	34,009	60,000	72,000	105,000
	500 to 2,499	Total	1155	57,107	22,443	42,000	53,000	67,000
		2-4	153	37,533	7,803	31,129	36,483	42,000
		5-9	238	45,449	11,292	38,100	43,600	50,000
		10-14	174	51,988	14,051	42,100	50,400	59,600
		15-19	148	61,467	20,555	49,000	58,000	68,000
		20-24	180	66,579	20,346	52,480	65,000	74,434
		25-29	105	73,932	26,493	58,000	67,241	80,000
		30-34	70	68,581	20,558	55,000	64,751	79,000
		35-39	54	75,869	24,296	61,000	70,304	82,500
		40 or more	33	79,120	39,350	60,794	73,618	89,750
	2,500 to 9,999	Total	1170	61,547	23,953	46,200	57,000	72,000
		2-4	144	41,236	8,293	35,100	40,800	47,032
		5-9	183	47,384	12,184	40,414	46,200	52,000
		10-14	170	55,618	12,274	47,500	55,000	62,972
		15-19	165	63,654	17,231	51,500	64,000	72,150
		20-24	184	69,679	21,174	54,957	67,500	79,850
		25-29	149	76,202	35,384	59,125	71,637	84,000
		30-34	96	79,125	26,518	60,000	75,000	92,350
		35-39	51	71,301	17,848	60,000	67,900	79,000
		40 or more	24	76,359	30,356	55,000	65,000	88,800

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.2.6
SALARIES of BS CHEMISTS employed FULL-TIME in INDUSTRY
by EMPLOYER SIZE and YEARS SINCE BS
2000 ACS Salary Survey (cont.)

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
EMPLOYER SIZE	10,000 to 24,999	Total	879	61,765	22,703	47,800	58,100	72,000
		2-4	99	40,030	7,747	33,937	40,380	44,011
		5-9	159	47,975	9,187	41,150	48,295	54,000
		10-14	136	57,729	12,591	50,000	55,130	63,200
		15-19	119	65,902	16,674	56,700	65,000	74,000
		20-24	130	68,658	18,391	56,000	66,100	78,000
		25-29	110	74,277	22,169	60,000	70,000	84,500
		30-34	65	77,491	25,660	57,500	78,000	94,035
		35-39	41	76,163	22,339	60,000	71,412	88,680
		40 or more	16	95,111	69,222	51,696	70,000	84,307
	25,000 or more	Total	1549	62,939	26,401	46,470	58,000	74,358
		2-4	243	42,020	7,558	37,080	42,588	46,000
		5-9	274	48,284	9,147	43,000	48,000	53,000
		10-14	230	57,176	12,185	49,000	55,594	64,600
		15-19	195	67,157	16,806	55,512	66,000	75,250
		20-24	225	75,216	18,816	62,850	73,000	85,424
		25-29	169	77,380	29,888	60,793	73,000	87,000
		30-34	112	79,511	23,690	62,900	76,000	97,000
		35-39	62	94,399	67,928	65,222	80,000	99,000
		40 or more	33	84,317	28,125	63,336	75,920	97,680

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.3.1
SALARIES of MS CHEMISTS employed FULL-TIME in INDUSTRY
by WORK SPECIALTY and YEARS SINCE BS
2000 ACS Salary Survey

		Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
Ag/Food chemistry	Total	143	76,496	28,876	53,500	71,000	92,100
	10-14	17	57,058	10,795	49,350	55,000	65,000
	15-19	25	66,600	19,116	50,408	66,696	80,750
	20-24	28	78,934	28,681	54,000	80,000	91,500
	25-29	33	88,857	32,043	63,000	79,300	109,000
Analytical chemistry	Total	1172	66,697	27,623	52,000	62,440	77,000
	5-9	132	52,437	38,809	44,000	49,665	55,000
	10-14	191	55,676	12,429	47,000	55,000	62,100
	15-19	192	63,141	16,154	52,000	62,000	71,803
	20-24	203	70,004	16,816	59,200	69,000	80,000
	25-29	200	73,866	24,019	59,950	70,000	84,000
	30-34	141	77,093	22,200	62,400	77,000	88,150
	35-39	73	76,791	30,218	60,000	72,000	90,432
	40 or more	32	72,017	52,473	49,500	59,870	82,000
Biochemistry	Total	72	71,077	40,511	49,000	58,625	77,298
	10-14	15	52,437	9,906	47,400	52,000	56,400
Biotechnology	Total	139	76,301	30,985	53,000	70,000	90,400
	5-9	27	50,413	8,970	46,000	50,000	55,000
	10-14	21	68,035	26,428	52,000	64,100	75,250
	15-19	26	76,962	21,325	60,200	71,000	95,000
	20-24	26	83,220	23,641	65,700	79,400	100,000
	25-29	17	95,926	26,247	73,032	85,795	104,000
Clinical chem	Total	26	70,672	28,019	52,100	68,000	81,000
Environmental chemistry	Total	351	66,705	23,259	49,036	62,500	79,900
	5-9	29	45,884	12,701	35,000	43,500	50,000
	10-14	50	55,250	13,789	45,000	55,000	63,000
	15-19	74	63,241	19,589	48,800	60,000	75,300
	20-24	52	66,448	19,110	52,236	63,000	79,410
	25-29	58	77,239	25,132	56,400	75,000	93,000
	30-34	55	79,926	22,946	64,000	80,000	90,000
	35-39	26	72,860	31,722	48,500	63,550	87,000
General chemistry	Total	85	68,113	22,863	52,500	60,760	85,000
	20-24	18	74,674	28,627	55,000	67,600	90,000
	35-39	17	77,665	23,760	52,500	84,000	98,040
Inorganic chemistry	Total	80	69,823	24,197	53,000	62,000	81,640
	10-14	15	60,212	16,975	53,000	57,500	61,000
Materials science	Total	218	78,970	33,387	59,750	70,250	92,568
	5-9	27	51,612	7,896	47,100	52,000	56,100
	10-14	20	69,755	32,502	51,000	62,500	73,000
	15-19	39	76,568	35,975	61,565	69,700	76,000
	20-24	29	76,464	24,197	63,000	69,200	85,000
	25-29	35	91,503	37,060	70,600	87,500	97,600
	30-34	33	82,285	21,510	64,980	84,890	96,000
	35-39	21	105,688	45,856	70,000	95,329	120,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.3.1
SALARIES of MS CHEMISTS employed FULL-TIME in INDUSTRY
by WORK SPECIALTY and YEARS SINCE BS
2000 ACS Salary Survey (cont.)

		Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
Medicinal-Pharmaceutical	Total	650	67,224	21,587	53,000	62,500	75,000
	2-4	18	48,836	3,720	47,200	49,300	51,000
	5-9	131	53,866	11,081	49,000	52,355	58,000
	10-14	136	60,267	10,342	53,452	59,000	65,500
	15-19	122	66,042	14,240	56,000	64,368	72,500
	20-24	69	72,799	21,525	59,000	70,000	79,850
	25-29	73	80,963	20,434	67,200	77,595	89,430
	30-34	49	85,698	30,267	66,000	81,400	95,000
	35-39	31	88,571	40,337	63,320	83,400	102,300
	40 or more	21	77,531	19,609	61,440	75,000	84,000
Organic chemistry	Total	553	69,430	34,473	53,000	63,000	79,390
	5-9	92	50,156	7,580	44,000	50,000	55,000
	10-14	78	59,360	12,198	50,000	57,750	65,000
	15-19	94	69,864	60,120	55,000	60,168	70,000
	20-24	71	72,594	25,129	56,000	68,500	82,000
	25-29	67	79,988	21,144	66,900	80,497	90,000
	30-34	65	79,419	20,404	67,000	77,397	93,000
	35-39	49	86,181	28,072	69,600	80,000	95,000
	40 or more	29	79,040	56,067	59,100	65,580	78,000
Physical chemistry	Total	74	75,715	22,904	59,280	70,000	90,000
	20-24	16	74,500	22,085	62,700	65,000	85,000
Polymer chemistry	Total	493	74,797	26,471	56,856	72,000	88,000
	5-9	54	50,392	8,961	45,000	50,000	54,000
	10-14	48	59,810	12,977	49,750	59,800	68,500
	15-19	84	69,859	17,348	58,000	68,000	80,000
	20-24	90	77,930	22,405	64,000	76,147	89,500
	25-29	86	83,555	26,727	68,180	81,000	95,800
	30-34	58	85,612	30,148	70,452	82,000	100,000
	35-39	44	88,684	36,978	66,000	89,000	101,850
	40 or more	25	87,154	25,662	72,000	84,000	100,000
Other chemical science	Total	151	70,154	25,711	53,500	65,000	80,000
	5-9	22	49,232	11,027	40,000	49,500	56,750
	10-14	20	59,486	12,333	50,000	64,000	67,100
	15-19	19	71,947	27,009	54,800	63,000	76,000
	20-24	25	77,167	26,982	56,000	71,500	94,000
	25-29	32	76,724	21,706	60,000	74,000	91,750
Business Administration	Total	116	103,691	46,848	72,600	90,000	124,000
	20-24	21	103,427	43,276	70,000	89,000	121,000
	25-29	16	120,052	58,608	82,500	98,832	135,000
	30-34	29	114,347	45,707	85,000	96,000	131,500
Computer Sci	Total	52	73,372	23,855	57,000	69,000	89,500
Law	Total	16	80,127	19,143	62,000	80,000	95,000
Other nonchemistry	Total	196	81,702	35,849	60,000	75,688	93,000
	10-14	21	58,737	18,243	50,000	59,000	68,000
	15-19	25	69,056	17,246	54,000	65,500	85,000
	20-24	26	74,710	21,210	61,000	75,000	86,000
	25-29	39	82,740	24,723	65,000	81,000	95,000
	30-34	45	97,983	44,282	72,000	87,500	105,000
	35-39	21	92,103	27,180	72,540	86,784	102,184

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.3.2
SALARIES of MS CHEMISTS employed FULL-TIME in INDUSTRY
by WORK FUNCTION and YEARS SINCE BS
2000 ACS Salary Survey

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
WORK FUNCT	Analytical services	Total	763	63,357	27,344	50,000	60,000	73,200
		5-9	86	52,212	48,094	39,728	46,350	54,500
		10-14	130	54,149	10,886	46,598	54,000	59,995
		15-19	132	60,043	14,754	50,000	59,580	69,000
		20-24	130	66,072	19,464	52,500	65,000	77,760
		25-29	122	67,487	18,235	55,000	65,500	78,000
		30-34	86	72,569	17,838	59,500	75,000	84,000
		35-39	56	74,603	22,750	59,000	71,430	90,432
		40 or more	16	65,235	22,599	47,000	59,870	78,000
	Chem Info	Total	72	65,652	18,332	54,000	64,000	73,032
	Computers	Total	44	67,096	16,546	56,000	70,000	75,500
	Consulting	Total	112	72,735	26,328	51,846	66,000	88,000
		10-14	15	55,300	12,345	44,500	56,000	60,000
		15-19	25	74,527	20,412	55,000	75,000	87,000
		25-29	22	78,453	25,493	60,000	74,000	92,400
		30-34	19	93,320	26,250	76,000	90,000	102,000
	General mgmt	Total	252	98,432	52,849	65,000	86,000	115,000
		10-14	27	67,051	22,734	54,986	64,500	74,000
		15-19	31	79,597	28,629	64,000	77,000	85,571
		20-24	50	90,211	40,721	60,000	80,800	120,000
		25-29	57	101,688	40,593	75,000	93,000	120,000
		30-34	46	113,084	56,376	76,900	96,000	127,000
		35-39	23	123,417	62,393	87,000	100,000	120,000
	Health & Safety	Total	191	77,351	24,378	61,358	72,800	85,400
		10-14	19	65,160	14,244	52,000	62,000	73,400
		15-19	31	70,376	17,264	57,555	68,700	78,000
		20-24	34	73,329	18,619	56,000	70,200	86,220
		25-29	28	82,960	23,507	66,600	77,900	89,430
		30-34	41	87,264	29,799	64,900	80,550	103,750
		35-39	19	87,543	27,490	70,000	85,140	110,000
	Marketing,sales	Total	308	78,222	26,869	60,000	76,300	92,000
		5-9	32	54,176	11,203	50,000	52,480	56,500
		10-14	31	65,456	18,412	54,897	64,000	74,500
		15-19	47	75,139	18,152	62,000	74,000	86,000
		20-24	61	84,164	24,429	69,000	85,000	96,000
		25-29	44	88,000	37,120	65,000	84,400	97,332
		30-34	49	81,476	23,735	65,000	82,004	95,500
		35-39	30	87,267	32,375	65,000	82,000	102,184
	Production, QC	Total	465	64,890	25,754	49,750	60,000	75,000
		5-9	67	48,625	11,577	39,400	48,000	56,000
		10-14	72	54,660	13,785	45,000	54,000	64,000
		15-19	78	62,038	18,548	50,000	58,100	68,000
		20-24	75	69,373	21,994	55,000	65,000	78,100
		25-29	78	75,668	30,236	59,488	70,000	84,000
		30-34	52	74,414	23,940	53,000	74,150	93,000
		35-39	25	72,553	27,199	50,000	63,912	85,000
		40 or more	15	80,733	64,600	48,000	68,196	78,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.3.2
SALARIES of MS CHEMISTS employed FULL-TIME in INDUSTRY
by WORK FUNCTION and YEARS SINCE BS
2000 ACS Salary Survey (cont.)

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
WORK FUNCT	Applied Research	Total	1482	66,208	19,642	52,000	62,900	76,800
		2-4	27	44,274	7,745	40,000	44,400	50,000
		5-9	257	51,022	7,309	47,000	51,000	55,000
		10-14	248	58,074	13,382	50,000	56,500	63,400
		15-19	262	65,494	19,190	55,000	63,000	72,000
		20-24	204	70,618	16,766	60,000	68,880	80,000
		25-29	191	77,647	18,566	64,000	78,000	88,000
		30-34	132	80,124	18,432	68,232	80,000	94,300
		35-39	92	79,110	23,205	65,068	77,400	91,000
		40 or more	69	74,772	23,014	56,400	70,450	84,000
	Basic Research	Total	301	65,659	36,084	53,200	62,000	72,000
		5-9	66	53,392	9,271	49,000	52,530	58,500
		10-14	59	60,783	11,094	54,000	60,400	65,000
		15-19	60	72,488	74,415	57,000	62,500	69,100
		20-24	34	67,841	11,880	60,000	67,000	73,000
		25-29	26	77,062	13,899	69,000	75,000	87,500
		30-34	28	74,375	18,708	65,507	77,000	85,000
	R&D mgmt	Total	357	93,833	30,821	75,000	90,000	106,080
		10-14	28	74,134	14,089	65,000	70,000	82,500
		15-19	65	82,436	17,483	68,000	83,000	98,000
		20-24	65	91,168	26,256	76,400	85,100	100,000
		25-29	75	99,741	28,553	84,000	95,000	110,000
		30-34	48	104,444	27,687	86,000	99,996	118,192
		35-39	51	108,373	45,479	84,450	101,850	120,000
	Training	Total	17	65,712	16,404	52,000	68,000	72,800
	Other function	Total	174	73,861	26,905	55,000	69,900	90,000
		5-9	17	47,514	14,312	34,500	48,050	56,000
		10-14	23	59,752	18,278	48,000	58,100	65,000
		15-19	23	71,253	19,256	55,000	70,000	80,000
		20-24	21	77,175	20,300	62,800	71,000	91,520
		25-29	38	81,496	26,562	60,000	79,980	99,500
		30-34	26	86,653	32,370	67,257	83,000	96,000
		35-39	18	82,217	23,930	60,000	80,000	100,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.3.3
SALARIES of MS CHEMISTS employed FULL-TIME in INDUSTRY
by INDUSTRY and YEARS SINCE BS
2000 ACS Salary Survey

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
EMPLOYER	Analytical serv lab	Total	201	61,175	38,957	42,000	53,300	65,000
		5-9	16	37,587	10,703	30,000	35,360	39,728
		10-14	36	49,604	11,430	40,000	50,000	59,000
		15-19	40	51,922	12,483	44,000	49,500	60,000
		20-24	36	61,099	27,030	46,000	54,000	70,000
		25-29	27	70,495	31,744	52,000	58,000	78,099
		30-34	20	72,972	32,620	47,500	65,000	89,500
		35-39	15	65,337	31,426	41,000	60,000	71,430
	Contract res firm	Total	136	67,289	28,908	47,500	59,750	80,500
		5-9	17	44,049	9,606	34,850	44,000	50,000
		10-14	15	52,103	7,764	44,600	54,000	57,750
		15-19	29	68,485	27,153	52,749	62,000	74,100
		20-24	22	68,438	25,075	49,000	65,500	86,220
		25-29	19	68,834	23,967	50,520	68,687	80,500
		35-39	16	86,691	45,796	48,000	78,000	100,000
	Utility	Total	64	68,120	22,307	53,800	66,000	75,000
		25-29	19	69,683	10,164	65,000	72,500	75,000
	Other nonmanuf	Total	286	68,660	26,734	50,000	62,000	81,000
		5-9	35	50,097	17,032	41,000	48,000	52,000
		10-14	50	59,217	19,738	47,632	55,000	65,000
		15-19	55	72,815	21,972	56,000	70,000	82,000
		20-24	34	74,139	31,297	56,200	65,000	83,179
		25-29	41	79,102	28,309	55,000	76,000	91,750
		30-34	39	74,494	28,542	55,000	76,000	85,000
		35-39	22	73,500	31,902	51,500	70,000	95,000
	Aerospace	Total	60	67,475	19,503	53,248	66,924	75,688
		20-24	15	68,762	16,099	57,000	66,924	69,000
	Ag chemicals	Total	123	70,502	19,688	57,400	68,400	84,000
		15-19	17	61,667	15,682	45,630	62,000	68,000
		20-24	24	76,677	14,778	64,000	74,403	81,709
		25-29	26	74,169	22,400	60,000	65,000	84,000
		30-34	20	82,928	16,482	71,284	84,300	96,000
	Basic chemicals	Total	124	78,298	27,567	57,000	78,000	90,432
		15-19	22	70,721	28,699	59,000	63,800	79,600
		20-24	15	80,877	25,864	52,000	86,100	102,300
		25-29	15	88,944	27,771	70,100	83,100	89,000
		30-34	27	88,819	26,702	70,800	88,300	101,000
	Bio-prods	Total	62	63,967	21,263	52,000	60,000	77,000
	Bldg mats	Total	28	69,694	18,597	54,000	62,500	74,340
	Coatings, inks, paints	Total	222	70,293	35,142	51,000	64,000	82,488
		5-9	36	61,223	72,720	45,100	48,600	51,800
		10-14	31	57,477	9,856	50,000	56,311	64,750
		15-19	37	69,238	18,598	57,000	68,000	80,000
		20-24	26	72,376	16,724	60,000	70,559	87,100
		25-29	40	79,265	24,475	60,000	80,000	91,000
		30-34	21	81,170	17,529	65,000	79,356	98,384
		35-39	20	75,283	23,443	52,500	65,068	90,000
	Electronics/ semi-conductors	Total	99	73,077	23,494	56,100	71,000	87,000
		5-9	17	51,994	14,301	39,400	50,000	59,500
		15-19	19	72,605	19,184	57,000	72,000	85,000
		30-34	17	85,862	25,435	58,000	86,000	99,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.3.3
SALARIES of MS CHEMISTS employed FULL-TIME in INDUSTRY
by INDUSTRY and YEARS SINCE BS
2000 ACS Salary Survey (cont.)

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
EMPLOYER	Food	Total	135	75,342	30,334	52,000	70,000	90,000
		10-14	17	55,124	13,569	48,000	55,000	65,000
		15-19	23	66,033	18,478	52,000	63,000	71,000
		20-24	24	81,315	31,363	54,000	80,000	96,000
		25-29	30	89,999	37,413	70,200	78,000	99,000
		30-34	16	86,314	34,984	54,600	74,294	102,500
	Instruments	Total	105	69,023	22,896	50,000	64,000	85,000
		5-9	15	51,960	12,065	40,000	50,000	55,000
		15-19	19	66,008	24,424	50,000	61,800	70,000
		20-24	26	79,936	23,911	62,921	73,354	99,180
		25-29	15	76,891	21,695	52,000	85,000	89,000
		30-34	16	72,130	20,964	49,500	79,080	85,000
	Medical devices	Total	129	74,854	31,089	55,000	70,000	87,000
		10-14	15	57,067	14,685	45,300	55,000	59,500
		15-19	18	66,182	18,605	52,000	63,473	81,000
		20-24	23	78,364	27,626	56,000	76,400	81,021
		25-29	23	80,025	18,579	68,100	79,310	88,000
		30-34	22	80,614	20,039	65,060	81,000	90,300
	Metals	Total	71	74,664	39,249	55,000	63,341	82,000
		20-24	15	65,700	14,521	57,630	62,000	66,000
	Paper	Total	33	73,939	19,830	56,000	69,200	86,000
	Prsnl Care	Total	58	81,264	43,047	55,900	70,000	98,000
	Petroleum	Total	88	75,988	31,687	57,969	71,900	87,000
		25-29	23	83,006	16,962	70,400	86,000	92,226
	Pharma-ceuticals	Total	1434	69,182	28,864	53,609	63,500	77,595
		2-4	29	62,183	70,881	45,800	50,000	52,475
		5-9	256	52,511	7,715	48,000	52,000	56,600
		10-14	275	60,867	12,712	52,128	59,120	67,000
		15-19	276	68,857	37,388	56,627	65,000	72,500
		20-24	176	74,434	20,514	60,300	70,000	81,000
		25-29	184	83,927	26,489	67,200	80,000	94,200
		30-34	127	82,871	26,560	67,500	80,000	93,648
		35-39	67	89,848	40,523	67,000	82,560	95,500
		40 or more	44	71,156	22,095	55,500	63,800	78,000
	Plastics	Total	171	78,271	29,587	60,000	74,000	88,000
		10-14	17	68,995	34,210	50,000	59,800	70,000
		15-19	31	73,136	36,127	59,000	64,500	73,255
		20-24	29	82,806	31,094	63,000	80,000	87,776
		25-29	31	88,159	29,816	65,000	83,100	95,800
		30-34	22	82,673	21,211	70,000	80,000	95,500
		35-39	18	85,541	20,389	74,000	82,000	106,000
	Rubber	Total	66	75,522	25,393	57,000	75,000	87,750
		30-34	15	88,499	22,024	78,768	87,200	97,200
	Soaps	Total	68	71,629	28,224	51,000	65,315	85,000
	Specialty chems	Total	364	74,587	28,904	55,900	68,570	85,175
		5-9	34	49,110	9,213	41,000	51,000	54,000
		10-14	55	57,928	12,679	50,000	56,000	63,000
		15-19	45	65,179	15,767	53,000	60,600	78,200
		20-24	77	76,991	20,295	64,000	73,000	88,800
		25-29	63	85,322	33,348	66,900	77,000	97,000
		30-34	42	88,019	30,813	68,100	80,100	102,009
		35-39	32	97,300	40,786	73,000	86,784	100,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.3.3
SALARIES of MS CHEMISTS employed FULL-TIME in INDUSTRY
by INDUSTRY and YEARS SINCE BS
2000 ACS Salary Survey (cont.)

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
EMPLOYER	Textiles	Total	37	75,812	29,765	58,500	71,000	85,000
	Other manu-facturing	Total	428	74,871	28,927	55,132	70,000	89,000
		5-9	36	50,995	10,176	45,000	50,500	58,500
		10-14	42	55,445	14,889	44,000	54,897	64,000
		15-19	53	69,656	15,651	55,132	68,700	80,000
		20-24	79	71,978	23,251	54,500	70,000	82,000
		25-29	72	76,724	31,201	60,000	71,000	90,235
		30-34	70	90,586	35,841	72,600	84,000	99,996
		35-39	52	89,467	28,820	67,656	92,000	106,730
		40 or more	22	86,212	29,049	65,000	80,000	96,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.3.4
SALARIES of MS CHEMISTS employed FULL-TIME in INDUSTRY
by GEOGRAPHIC REGION and YEARS SINCE BS
2000 ACS Salary Survey

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
GEOGRAPHIC REGION	Pacific	Total	487	74,049	36,818	54,000	66,600	85,000
		5-9	62	54,440	9,466	48,000	53,000	60,000
		10-14	71	59,917	15,753	49,800	56,736	67,000
		15-19	83	74,236	23,750	60,000	68,500	79,500
		20-24	82	74,860	24,460	56,000	70,092	88,800
		25-29	80	81,488	30,649	61,920	79,800	94,000
		30-34	54	77,931	27,855	58,000	77,300	90,000
		35-39	28	81,231	35,507	52,500	78,000	87,000
		40 or more	21	117,433	94,104	63,000	80,000	115,000
	Mountain	Total	123	64,504	23,736	48,900	60,000	77,000
		5-9	15	47,434	10,276	40,000	46,200	50,000
		10-14	24	54,244	13,543	45,000	51,500	60,500
		15-19	17	61,363	10,470	50,000	62,000	65,500
		20-24	19	67,570	21,491	51,300	68,000	78,400
		25-29	24	74,059	22,158	53,820	74,000	86,000
		30-34	16	72,220	23,382	49,000	68,127	89,500
	West North Central	Total	254	66,522	26,824	49,750	60,400	78,000
		5-9	39	46,212	9,337	39,728	46,000	50,190
		10-14	30	56,655	15,393	49,750	55,000	61,000
		15-19	50	63,449	17,867	50,408	62,000	76,566
		20-24	45	66,683	17,721	55,000	64,000	75,300
		25-29	33	76,065	24,823	59,600	70,720	82,600
		30-34	31	78,463	23,653	60,000	80,600	90,000
		35-39	18	99,976	56,598	72,000	80,000	117,300
	West South Central	Total	277	70,445	27,940	51,355	65,000	85,000
		5-9	25	50,112	10,550	43,400	49,156	55,900
		10-14	26	60,847	18,002	46,000	55,000	69,200
		15-19	49	61,246	13,963	51,300	61,000	69,700
		20-24	47	66,007	17,929	52,000	64,800	76,000
		25-29	56	81,375	28,488	65,000	79,310	90,000
		30-34	37	86,768	44,632	57,000	79,408	90,000
		35-39	25	79,172	27,755	50,000	86,280	95,000
	East North Central	Total	933	69,805	24,652	53,060	65,000	81,000
		5-9	128	51,468	11,230	45,032	51,000	56,000
		10-14	127	55,744	11,885	48,000	56,000	64,000
		15-19	147	64,363	15,164	54,628	63,000	73,255
		20-24	143	74,222	22,619	61,000	69,376	83,590
		25-29	158	80,570	28,194	61,909	78,000	90,000
		30-34	116	82,878	26,821	65,000	80,000	96,772
		35-39	73	85,260	29,336	63,912	82,000	100,000
		40 or more	30	76,420	25,477	55,000	73,500	95,000
	East South Central	Total	126	69,214	23,394	52,000	67,000	81,792
		10-14	24	54,573	13,038	44,000	53,000	63,400
		20-24	24	65,787	16,212	52,000	68,000	73,000
		25-29	16	87,406	26,582	72,000	83,100	95,000
		30-34	17	81,218	25,640	67,000	80,000	96,071

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.3.4
SALARIES of MS CHEMISTS employed FULL-TIME in INDUSTRY
by GEOGRAPHIC REGION and YEARS SINCE BS
2000 ACS Salary Survey (cont.)

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
GEOGRAPHIC REGION	Middle Atlantic	Total	1175	73,913	35,161	55,000	67,900	83,600
		5-9	138	54,537	37,867	47,000	52,000	56,868
		10-14	185	60,895	16,595	52,000	58,100	67,200
		15-19	205	72,372	45,240	56,700	67,600	78,200
		20-24	181	77,814	26,532	62,500	73,000	90,000
		25-29	167	84,564	27,405	66,330	80,000	95,500
		30-34	147	83,625	29,137	68,000	80,000	95,000
		35-39	88	90,006	42,614	66,000	80,000	100,000
		40 or more	51	82,430	43,914	56,400	70,000	92,227
	South Atlantic	Total	632	69,996	24,081	53,380	65,000	82,997
		5-9	74	50,852	11,985	42,000	51,000	56,600
		10-14	101	58,379	12,179	49,000	57,500	65,000
		15-19	110	64,632	18,071	52,668	60,000	73,200
		20-24	85	73,550	19,790	60,686	72,181	82,000
		25-29	90	77,014	21,059	61,180	74,205	89,500
		30-34	83	86,982	29,797	69,700	85,000	98,000
		35-39	59	81,250	30,963	57,000	80,000	96,000
		40 or more	25	81,659	26,538	56,000	76,800	105,423
	New England	Total	464	71,933	25,096	54,897	66,924	82,000
		5-9	79	51,558	8,751	46,500	51,000	55,100
		10-14	74	63,165	14,543	54,300	60,000	69,300
		15-19	82	70,780	16,412	60,208	68,950	78,000
		20-24	70	80,651	25,610	62,500	75,688	90,800
		25-29	64	79,844	27,019	60,000	72,800	93,000
		30-34	46	92,582	32,860	73,000	89,500	100,000
		35-39	25	88,540	22,851	70,700	82,488	100,300
		40 or more	15	78,897	32,280	62,440	73,500	83,340

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.3.5
SALARIES of MS CHEMISTS employed FULL-TIME in INDUSTRY
by TOTAL SUBORDINATES and YEARS SINCE BS
2000 ACS Salary Survey

		Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
None	Total	1493	61,540	22,537	49,800	58,500	71,000
	2-4	33	56,602	67,347	39,200	45,000	50,200
	5-9	285	50,897	27,228	44,096	50,000	55,000
	10-14	267	55,543	11,389	48,906	55,000	62,770
	15-19	237	61,024	14,413	52,000	60,000	68,950
	20-24	213	66,770	17,754	55,000	67,000	76,128
	25-29	185	68,903	17,891	56,656	70,000	79,174
	30-34	140	70,310	19,027	55,000	72,000	84,000
	35-39	78	71,392	23,426	55,000	70,000	82,000
	40 or more	55	69,670	19,089	56,000	65,000	79,000
1-2	Total	1297	66,786	24,976	52,512	63,400	76,316
	5-9	171	51,875	9,172	47,000	52,000	56,900
	10-14	220	59,078	16,458	50,000	56,736	65,000
	15-19	262	66,840	38,272	55,000	63,400	72,000
	20-24	167	68,539	15,505	57,000	67,900	79,200
	25-29	171	74,232	18,892	60,000	72,800	86,000
	30-34	142	77,688	23,218	62,400	76,250	89,090
	35-39	95	76,826	22,228	65,000	74,000	86,500
	40 or more	55	74,202	25,242	55,500	72,000	80,884
3-9	Total	401	75,639	25,496	58,000	73,255	90,000
	5-9	29	49,143	10,521	42,000	49,000	52,000
	10-14	45	60,124	16,706	52,000	60,000	65,000
	15-19	66	68,930	18,313	56,000	64,940	80,000
	20-24	82	76,446	22,441	62,800	74,000	86,000
	25-29	70	83,412	21,071	67,360	81,016	100,000
	30-34	60	85,826	20,318	73,000	84,000	97,250
	35-39	35	88,208	21,149	75,976	92,940	100,600
10-14	Total	275	76,150	25,222	60,000	73,200	89,000
	5-9	31	51,373	11,263	45,000	50,000	56,335
	10-14	26	66,887	12,955	57,000	64,800	76,500
	15-19	38	75,730	19,369	67,000	71,803	86,000
	20-24	49	75,828	22,176	60,000	71,900	85,100
	25-29	49	83,343	26,210	65,100	80,000	95,800
	30-34	41	92,304	25,795	78,000	85,000	100,000
	35-39	35	81,266	28,711	59,000	85,288	95,000
15-29	Total	300	78,679	26,815	60,000	74,000	92,800
	5-9	24	53,988	11,108	45,000	54,000	56,000
	10-14	39	64,863	15,251	54,000	65,000	72,000
	15-19	53	71,176	21,253	57,000	68,640	82,000
	20-24	40	83,340	24,821	65,902	78,000	93,000
	25-29	61	84,367	20,923	70,930	84,000	92,500
	30-34	31	85,371	25,700	69,250	80,000	96,394
	35-39	34	97,592	38,666	70,000	96,500	110,000
	40 or more	16	92,751	28,953	62,500	92,800	105,423
30-49	Total	263	81,223	34,976	60,000	79,000	93,000
	10-14	29	65,016	15,980	54,000	60,000	76,000
	15-19	44	78,039	32,246	61,565	69,550	87,000
	20-24	52	78,720	22,974	58,000	79,000	93,500
	25-29	56	83,697	22,888	65,000	82,000	97,600
	30-34	44	82,612	23,837	64,416	80,600	91,000
	35-39	17	98,842	28,303	86,592	100,000	107,400

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.3.5
SALARIES of MS CHEMISTS employed FULL-TIME in INDUSTRY
by TOTAL SUBORDINATES and YEARS SINCE BS
2000 ACS Salary Survey (cont.)

		Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
50 or more	Total	563	93,345	41,437	65,000	87,300	107,151
	5-9	34	58,531	16,541	50,000	55,000	64,000
	10-14	47	64,256	15,570	51,000	62,000	71,011
	15-19	74	80,225	22,802	65,000	76,888	96,000
	20-24	109	89,586	33,571	64,000	86,100	106,000
	25-29	120	103,294	41,426	78,000	94,170	118,000
	30-34	102	105,858	43,222	80,268	97,729	115,000
	35-39	53	117,324	55,907	76,000	103,000	136,000
	40 or more	22	105,945	57,243	68,196	96,300	133,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.3.6
SALARIES of MS CHEMISTS employed FULL-TIME in INDUSTRY
by EMPLOYER SIZE and YEARS SINCE BS
2000 ACS Salary Survey

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
EMPLOYER SIZE	Less than 50	Total	385	66,912	32,460	48,000	59,000	78,000
		5-9	40	48,892	13,718	39,000	48,000	54,000
		10-14	54	56,793	17,141	46,500	54,000	64,000
		15-19	64	61,942	23,701	46,062	55,000	70,000
		20-24	64	66,819	27,386	52,000	60,760	78,000
		25-29	53	76,793	32,444	52,000	71,000	96,000
		30-34	47	75,030	35,297	50,000	65,000	86,000
		35-39	37	82,945	44,829	51,000	65,000	100,000
		40 or more	20	78,175	61,185	48,600	62,400	75,000
	50 to 99	Total	232	70,561	45,237	47,632	60,000	80,000
		5-9	34	48,678	12,602	40,000	47,639	53,000
		10-14	47	57,475	18,173	44,500	55,000	63,000
		15-19	37	62,504	18,989	47,000	62,500	71,000
		20-24	32	78,794	34,034	51,000	73,000	95,940
		25-29	27	75,183	24,887	58,000	74,000	84,000
		30-34	24	85,919	41,265	57,000	77,000	90,000
		35-39	17	70,600	29,760	41,700	58,000	90,000
	100 to 499	Total	605	65,406	26,177	48,000	60,000	75,000
		5-9	88	46,712	11,143	39,600	45,000	51,702
		10-14	89	56,141	16,086	44,500	54,000	64,000
		15-19	110	67,549	23,461	52,749	62,000	75,000
		20-24	96	69,968	23,992	51,300	67,512	82,300
		25-29	85	70,155	27,489	52,000	64,000	78,000
		30-34	61	76,388	23,961	54,000	75,000	90,000
		35-39	42	79,963	42,874	51,000	72,000	90,000
		40 or more	27	75,096	31,945	54,468	64,020	89,700
	500 to 2,499	Total	628	68,424	26,188	51,000	62,395	79,740
		5-9	85	49,760	9,180	43,400	50,000	54,775
		10-14	90	54,847	13,224	46,700	53,000	60,400
		15-19	99	63,136	18,274	50,010	60,000	70,640
		20-24	111	74,510	26,376	59,200	70,000	81,000
		25-29	96	79,124	28,292	59,600	75,000	87,150
		30-34	70	83,425	34,068	60,100	80,000	95,500
		35-39	48	80,781	28,068	62,395	73,000	94,700
		40 or more	23	75,511	22,667	57,637	78,500	96,000
	2,500 to 9,999	Total	806	73,710	29,278	55,500	69,000	85,000
		5-9	96	54,628	44,885	45,500	51,009	54,000
		10-14	106	61,248	18,278	52,000	58,154	67,028
		15-19	141	69,154	21,302	59,000	65,356	75,000
		20-24	132	76,769	21,614	63,341	73,600	85,000
		25-29	136	84,047	23,055	68,000	82,316	95,800
		30-34	95	84,348	24,893	68,100	84,000	96,000
		35-39	62	90,166	37,310	67,656	89,724	105,000
		40 or more	30	80,390	24,289	65,000	73,500	88,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.3.6
SALARIES of MS CHEMISTS employed FULL-TIME in INDUSTRY
by EMPLOYER SIZE and YEARS SINCE BS
2000 ACS Salary Survey (cont.)

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
EMPLOYER SIZE	10,000 to 24,999	Total	597	73,825	29,500	57,158	68,000	81,709
		5-9	68	54,021	8,676	49,000	54,915	59,000
		10-14	89	59,652	9,848	52,253	58,980	66,000
		15-19	84	68,865	14,887	58,000	67,000	77,352
		20-24	98	73,690	17,460	62,500	71,204	82,000
		25-29	102	79,859	30,084	65,000	74,205	89,000
		30-34	86	89,806	38,796	70,000	79,356	96,772
		35-39	46	92,949	42,818	71,000	82,000	98,000
		40 or more	18	91,796	57,484	62,000	74,000	95,000
	25,000 or more	Total	1298	74,287	27,694	57,000	69,600	85,795
		2-4	16	50,195	3,607	49,300	50,200	52,475
		5-9	170	54,220	9,530	48,896	53,000	58,300
		10-14	194	61,585	12,032	52,780	59,995	68,000
		15-19	235	71,598	39,750	58,300	67,420	78,000
		20-24	171	76,927	21,178	63,000	72,500	88,000
		25-29	206	86,565	26,409	70,500	83,500	95,000
		30-34	175	85,315	22,174	72,350	82,764	98,017
		35-39	89	91,946	24,192	74,700	90,000	102,449
		40 or more	42	84,075	26,698	63,000	80,000	105,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.4.1
SALARIES of PhD CHEMISTS employed FULL-TIME in INDUSTRY
by WORK SPECIALTY and YEARS SINCE BS
2000 ACS Salary Survey

		Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
Ag/Food chemistry	Total	401	91,899	30,841	72,000	86,880	102,000
	10-14	41	66,806	10,217	60,000	68,061	71,130
	15-19	70	76,481	18,952	67,000	72,000	83,200
	20-24	71	90,404	21,252	76,900	86,000	96,000
	25-29	75	97,692	23,943	86,000	96,681	106,000
	30-34	75	104,015	29,011	87,900	101,880	110,267
	35-39	46	106,792	36,300	84,820	95,000	125,000
Analytical chemistry	Total	1924	85,309	28,037	70,000	80,880	96,000
	5-9	97	66,701	12,352	60,175	67,200	74,000
	10-14	282	73,379	14,096	65,300	72,400	81,000
	15-19	451	80,657	32,533	68,200	77,340	88,000
	20-24	333	86,677	22,153	74,500	84,300	98,000
	25-29	309	95,183	26,383	78,426	90,495	107,000
	30-34	241	96,193	27,352	78,000	93,500	110,000
	35-39	152	90,436	29,164	70,803	89,500	105,000
	40 or more	59	91,381	47,461	65,000	78,000	97,000
Biochemistry	Total	337	94,547	39,178	72,600	87,000	104,000
	10-14	48	71,767	12,128	64,000	70,008	76,000
	15-19	72	84,889	16,501	75,000	84,000	94,419
	20-24	63	95,389	24,933	77,000	93,432	111,000
	25-29	44	98,553	38,217	77,244	95,346	105,000
	30-34	58	105,791	39,608	81,408	95,000	120,000
	35-39	27	114,756	57,746	80,000	95,800	136,500
Biotechnology	Total	665	98,510	45,723	73,000	88,600	109,980
	5-9	41	67,274	11,772	63,500	68,000	74,000
	10-14	124	75,605	14,557	66,870	73,400	83,000
	15-19	144	87,442	20,461	74,000	83,640	100,000
	20-24	121	108,061	48,010	83,000	96,000	115,000
	25-29	111	113,332	43,056	88,000	105,000	126,100
	30-34	66	122,079	44,697	95,000	110,000	141,600
	35-39	39	130,369	105,435	93,100	105,000	138,500
	40 or more	19	104,591	40,006	75,000	92,000	131,000
Clinical chemistry	Total	93	92,160	24,989	76,000	85,032	105,000
	15-19	15	77,777	16,551	66,000	76,000	80,000
	20-24	18	88,926	13,757	79,000	84,000	98,000
	25-29	16	104,292	24,633	91,318	99,312	117,000
	30-34	24	96,550	22,169	79,000	89,000	110,000
Environmental chemistry	Total	336	87,708	28,325	70,000	85,000	102,960
	10-14	27	65,131	14,413	59,424	64,800	70,404
	15-19	39	77,716	18,428	65,000	76,700	91,200
	20-24	53	83,157	26,022	69,000	79,920	98,900
	25-29	61	92,245	21,061	80,000	93,000	108,000
	30-34	72	94,319	28,638	73,986	88,860	113,000
	35-39	59	96,920	31,555	75,000	92,500	110,000
	40 or more	23	88,917	42,706	65,000	86,880	100,000
General chemistry	Total	139	94,594	36,758	74,880	88,500	101,500
	15-19	16	88,231	15,631	71,400	87,443	100,000
	20-24	28	102,053	37,398	79,600	93,000	101,700
	25-29	24	88,873	23,143	76,000	86,000	99,152
	30-34	26	109,295	53,635	78,000	100,900	120,000
	35-39	18	101,377	42,267	81,400	94,000	105,555

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.4.1
SALARIES of PhD CHEMISTS employed FULL-TIME in INDUSTRY
by WORK SPECIALTY and YEARS SINCE BS
2000 ACS Salary Survey (cont.)

		Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
Inorganic chemistry	Total	362	86,630	23,097	72,000	84,000	95,000
	5-9	31	65,090	10,683	60,000	65,000	69,000
	10-14	55	72,981	10,310	66,000	72,200	79,000
	15-19	76	80,711	13,546	74,000	81,800	86,900
	20-24	67	92,018	18,371	79,000	91,800	101,400
	25-29	45	89,705	19,415	79,000	92,000	101,300
	30-34	44	98,312	21,536	84,652	92,580	115,000
	35-39	31	113,962	39,481	91,000	102,445	119,000
Materials science	Total	811	90,181	26,857	72,500	85,440	103,000
	5-9	49	67,441	14,116	61,500	69,000	73,028
	10-14	126	72,621	12,189	65,200	73,000	80,000
	15-19	163	80,137	17,095	69,500	79,000	88,800
	20-24	137	92,398	21,124	80,000	89,476	104,000
	25-29	111	104,449	29,860	85,260	100,000	116,000
	30-34	103	104,422	28,648	85,320	100,000	119,000
	35-39	89	105,468	30,814	90,000	104,000	122,000
	40 or more	33	97,734	33,206	76,000	92,000	115,804
Medicinal-Pharmaceutical	Total	1805	99,562	37,856	77,500	90,000	110,000
	5-9	122	74,188	10,533	69,000	75,000	79,000
	10-14	369	80,639	13,396	73,000	80,000	86,500
	15-19	468	90,316	21,527	76,600	88,100	100,100
	20-24	314	105,285	31,950	86,520	99,000	119,000
	25-29	219	120,500	50,578	90,000	108,500	133,125
	30-34	148	123,485	46,115	92,000	112,000	141,700
	35-39	112	133,417	57,164	99,500	120,000	156,000
	40 or more	53	112,613	55,089	75,000	105,000	125,000
Organic chemistry	Total	1765	89,988	30,888	72,188	85,000	100,000
	5-9	96	67,514	10,189	60,000	68,000	75,000
	10-14	252	73,848	16,155	65,100	72,000	80,000
	15-19	371	79,396	14,550	70,000	78,000	87,500
	20-24	261	93,553	26,080	78,000	91,000	103,000
	25-29	283	98,023	31,534	82,000	94,000	109,080
	30-34	226	102,492	30,360	85,400	99,000	116,000
	35-39	198	106,369	49,067	80,000	96,500	120,000
	40 or more	78	101,268	38,584	76,400	94,300	112,500
Physical chemistry	Total	521	93,103	24,985	76,400	88,740	105,000
	5-9	15	68,150	10,702	62,800	70,200	73,500
	10-14	56	73,906	12,872	67,000	73,500	80,000
	15-19	92	83,545	17,489	72,000	82,500	92,000
	20-24	81	91,132	22,983	79,800	90,000	100,000
	25-29	77	100,139	23,616	85,700	98,000	108,000
	30-34	94	104,069	30,364	80,628	99,540	115,492
	35-39	66	100,699	22,174	84,700	100,000	110,000
	40 or more	40	103,460	23,644	83,500	99,216	120,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.4.1
SALARIES of PhD CHEMISTS employed FULL-TIME in INDUSTRY
by WORK SPECIALTY and YEARS SINCE BS
2000 ACS Salary Survey (cont.)

		Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
Polymer chemistry	Total	1531	91,650	31,144	73,500	86,000	102,120
	5-9	93	67,669	8,278	62,000	67,500	72,000
	10-14	201	71,863	11,574	65,000	71,000	79,000
	15-19	280	81,363	14,393	72,000	80,725	87,500
	20-24	273	95,088	39,758	79,500	91,000	102,000
	25-29	208	100,233	26,137	85,000	93,960	109,905
	30-34	221	107,077	34,026	89,520	102,000	117,000
	35-39	168	106,752	32,011	86,300	100,020	123,720
	40 or more	87	96,448	37,764	72,811	91,600	113,214
Other chemical science	Total	299	88,291	26,410	70,000	82,600	102,000
	5-9	18	69,087	11,578	62,000	66,000	72,000
	10-14	40	70,083	12,471	60,000	68,000	77,000
	15-19	53	77,650	14,767	68,000	79,600	86,400
	20-24	46	83,232	18,297	70,000	82,000	92,000
	25-29	40	98,768	24,113	80,870	90,600	105,000
	30-34	50	104,517	26,661	87,000	105,000	120,000
	35-39	34	103,137	35,835	84,500	101,000	120,000
	40 or more	18	95,821	34,359	71,952	92,000	115,536
Business Administration	Total	272	126,165	56,658	92,000	115,000	140,000
	15-19	49	99,581	22,855	85,000	96,000	114,000
	20-24	35	108,825	23,490	88,000	115,000	125,000
	25-29	55	121,576	39,256	95,000	115,000	132,660
	30-34	46	136,704	55,143	102,200	122,000	159,000
	35-39	55	164,590	84,611	111,000	150,000	190,000
	40 or more	15	145,767	56,368	105,000	135,000	160,000
Computer science	Total	163	92,124	30,050	70,000	90,000	110,000
	10-14	21	76,510	14,130	67,800	71,000	85,000
	15-19	28	89,745	29,015	67,000	85,000	93,000
	20-24	24	92,191	39,574	68,000	87,000	100,000
	25-29	29	95,991	26,677	82,900	100,000	109,000
	30-34	37	102,405	30,140	84,000	105,000	123,600
	35-39	19	88,703	27,501	66,349	91,000	106,000
Law	Total	77	114,775	58,703	80,000	103,000	131,000
Other nonchemistry	Total	418	99,728	38,650	76,818	94,000	115,000
	10-14	34	74,644	21,009	63,000	70,000	82,300
	15-19	72	83,639	24,062	73,000	80,000	93,000
	20-24	66	99,000	38,500	80,000	92,000	110,000
	25-29	67	105,457	27,763	90,000	108,000	120,000
	30-34	72	108,579	41,538	84,000	101,342	125,320
	35-39	80	115,190	49,650	83,499	105,000	130,000
	40 or more	20	98,971	40,126	60,000	96,000	116,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.4.2
SALARIES of PhD CHEMISTS employed FULL-TIME in INDUSTRY
by WORK FUNCTION and YEARS SINCE BS
2000 ACS Salary Survey

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
WORK FUNCT	Analytical services	Total	1029	80,680	20,461	68,000	79,000	92,000
		5-9	48	65,620	14,303	61,000	67,000	73,200
		10-14	150	70,308	13,289	63,500	70,000	77,000
		15-19	222	77,148	16,144	67,200	75,350	85,000
		20-24	173	81,241	20,237	71,600	81,000	91,680
		25-29	161	89,480	17,499	77,400	88,850	99,700
		30-34	151	89,807	26,044	72,000	89,820	102,420
		35-39	102	84,740	20,346	70,803	85,500	99,000
		40 or more	22	69,640	26,381	48,000	65,000	86,600
	Chemical info	Total	81	78,800	21,858	65,000	74,500	94,000
		15-19	17	68,684	18,528	50,000	70,000	83,000
	Computers	Total	151	83,970	24,538	68,000	85,000	96,520
		10-14	31	73,898	14,946	65,000	73,400	85,000
		15-19	32	83,679	15,776	70,000	85,000	93,000
		20-24	20	81,190	21,954	66,000	79,500	95,000
		25-29	26	96,170	25,238	82,900	96,000	110,000
		30-34	24	90,648	33,390	67,500	87,200	107,000
	Consulting	Total	166	95,783	34,052	73,000	91,200	110,000
		10-14	20	76,471	25,379	62,100	70,500	84,000
		15-19	22	88,302	27,342	73,000	76,700	96,000
		20-24	21	93,021	30,814	71,000	88,200	105,000
		25-29	36	95,269	26,120	79,000	94,000	109,000
		30-34	28	101,569	28,182	84,000	100,000	112,450
		35-39	24	106,794	42,191	70,000	101,000	127,100
	General mgmt	Total	480	126,718	68,150	86,000	110,040	150,000
		10-14	18	86,303	43,120	65,000	75,000	97,000
		15-19	60	93,933	27,098	73,500	92,040	110,000
		20-24	79	119,781	46,582	85,000	120,000	142,000
		25-29	74	121,454	53,905	88,608	110,000	144,000
		30-34	99	132,089	61,889	92,500	120,000	156,800
		35-39	109	153,848	97,742	100,000	123,000	179,500
		40 or more	40	131,972	66,576	84,300	120,000	160,000
	Health & Safety	Total	189	97,889	31,208	80,000	91,300	110,000
		15-19	27	83,133	15,381	73,100	80,000	89,000
		20-24	30	97,563	29,010	84,000	88,500	103,400
		25-29	31	100,510	20,466	86,000	99,300	109,500
		30-34	36	102,022	27,733	84,000	99,000	120,000
		35-39	44	108,231	45,835	84,000	101,400	126,000
	Marketing, sales	Total	454	90,609	28,416	73,000	86,000	105,000
		10-14	51	70,772	11,481	62,800	70,000	78,000
		15-19	98	83,683	19,193	73,000	83,000	95,000
		20-24	73	93,115	32,400	79,916	90,000	100,000
		25-29	73	97,098	22,830	80,000	97,056	115,000
		30-34	61	100,913	31,845	78,000	99,300	125,000
		35-39	60	100,116	33,455	82,000	98,979	110,000
		40 or more	24	97,107	38,193	70,700	91,000	108,785
	Patents	Total	105	121,376	58,150	85,000	107,000	132,000
		15-19	16	115,401	37,414	80,000	108,420	130,000
		20-24	18	126,650	65,176	87,000	100,500	133,000
		30-34	23	128,745	45,030	110,000	120,000	135,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.4.2
SALARIES of PhD CHEMISTS employed FULL-TIME in INDUSTRY
by WORK FUNCTION and YEARS SINCE BS
2000 ACS Salary Survey (cont.)

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
WORK FUNCT	Production, QC	Total	451	83,327	28,153	67,000	78,000	93,432
		5-9	19	65,040	7,785	60,000	66,000	67,000
		10-14	65	69,925	13,818	61,000	70,000	78,000
		15-19	97	78,295	19,557	66,000	75,000	88,100
		20-24	84	91,169	29,407	72,000	86,435	107,000
		25-29	64	95,971	38,499	74,410	88,000	104,000
		30-34	61	89,365	25,540	77,500	88,900	106,000
		35-39	37	84,581	37,156	60,000	77,000	93,270
		40 or more	24	76,000	23,943	63,000	75,000	82,000
	Applied Research	Total	5539	84,535	21,898	71,400	81,974	94,700
		5-9	400	68,782	10,454	63,000	69,000	75,000
		10-14	1011	73,729	12,119	66,000	73,000	81,000
		15-19	1291	79,981	22,076	70,000	78,500	87,000
		20-24	885	88,041	18,274	76,900	86,100	97,900
		25-29	719	92,754	21,171	80,000	91,200	104,000
		30-34	593	95,475	22,078	82,000	93,758	107,460
		35-39	435	97,881	25,576	83,000	95,000	110,000
		40 or more	205	93,311	29,517	74,880	88,000	106,000
	Basic Research	Total	903	89,315	22,745	75,000	86,000	100,000
		5-9	79	71,571	11,766	64,583	72,000	76,800
		10-14	181	78,416	11,676	70,000	77,500	84,000
		15-19	223	83,530	15,139	74,450	82,300	92,366
		20-24	147	95,590	23,564	84,000	95,000	105,000
		25-29	108	100,695	22,959	87,000	97,000	110,000
		30-34	79	103,189	22,928	88,860	103,000	116,000
		35-39	59	104,560	28,424	88,800	102,380	121,000
		40 or more	27	108,480	40,494	81,000	101,000	136,000
	R&D mgmt	Total	2072	116,681	39,568	92,000	108,800	132,000
		5-9	20	73,353	15,819	60,000	73,000	78,000
		10-14	143	85,109	17,866	74,913	83,000	93,000
		15-19	332	99,434	20,954	86,250	97,740	109,500
		20-24	418	111,989	33,299	92,500	105,000	125,000
		25-29	414	125,101	39,688	100,000	116,000	140,000
		30-34	400	127,680	37,363	101,203	120,000	148,000
		35-39	254	134,282	49,764	104,000	125,000	157,500
		40 or more	91	124,495	57,780	94,000	110,196	138,613
	Training	Total	32	92,167	39,820	63,000	90,000	100,000
	Other function	Total	230	91,982	50,961	69,000	85,300	110,000
		10-14	23	71,163	21,336	63,000	70,000	75,000
		15-19	24	81,645	35,487	64,000	77,808	90,000
		20-24	37	104,231	98,324	73,500	87,000	105,000
		25-29	40	94,832	33,353	75,000	94,744	112,500
		30-34	38	100,057	36,191	80,000	98,000	112,500
		35-39	43	95,995	37,334	69,000	91,300	117,400
		40 or more	19	82,440	40,921	50,000	80,520	105,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.4.3
SALARIES of PhD CHEMISTS employed FULL-TIME in INDUSTRY
by INDUSTRY and YEARS SINCE BS
2000 ACS Salary Survey

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
EMPLOYER	Analytical serv lab	Total	211	74,595	35,242	55,000	69,624	85,000
		10-14	28	66,971	12,339	60,000	68,500	75,000
		15-19	29	74,236	26,162	56,000	69,200	80,000
		20-24	33	69,775	28,632	45,000	70,000	80,000
		25-29	28	85,960	42,796	60,000	80,000	92,000
		30-34	41	77,904	29,437	55,000	75,000	89,820
		35-39	33	74,531	28,835	58,700	69,624	82,000
	Contract res firm	Total	626	82,897	29,914	64,500	77,175	96,000
		5-9	53	62,288	12,657	55,000	60,000	70,000
		10-14	106	67,707	13,260	60,000	65,100	73,000
		15-19	125	75,988	21,959	60,000	73,000	90,000
		20-24	88	85,162	21,935	70,700	83,100	99,700
		25-29	84	94,752	34,654	75,000	89,250	105,000
		30-34	75	94,954	29,130	78,960	90,000	100,007
		35-39	69	102,672	43,954	75,000	96,000	110,000
		40 or more	26	86,823	36,609	69,900	80,000	92,000
	Utility	Total	28	73,798	30,113	58,500	70,100	75,500
	Other nonmanuf	Total	544	91,211	49,441	68,000	81,000	102,960
		5-9	24	68,820	17,602	60,000	69,000	77,500
		10-14	91	74,481	20,932	65,000	72,000	80,000
		15-19	107	84,225	31,306	67,200	78,000	95,000
		20-24	73	101,750	83,519	70,000	85,000	102,960
		25-29	79	100,372	52,781	76,900	90,000	109,000
		30-34	73	102,945	39,059	79,000	97,000	120,000
		35-39	62	102,923	60,081	61,250	90,000	130,000
		40 or more	35	83,545	38,050	60,000	80,520	101,070
	Aerospace	Total	140	88,945	22,287	73,060	89,790	100,000
		15-19	20	81,120	18,519	67,501	75,920	96,000
		20-24	20	93,888	22,455	77,500	87,391	100,170
		25-29	20	93,808	18,392	88,300	92,412	100,000
		30-34	32	90,328	25,616	72,000	88,396	100,000
		35-39	20	89,732	16,660	85,000	88,000	100,000
	Ag chemicals	Total	430	88,976	22,049	74,000	86,000	98,800
		10-14	41	70,162	8,002	64,780	70,000	74,100
		15-19	80	77,280	13,430	69,500	75,000	83,100
		20-24	73	87,965	16,131	76,285	85,800	94,820
		25-29	93	92,443	17,881	82,200	92,000	100,800
		30-34	75	102,881	22,631	84,640	100,151	110,000
		35-39	42	102,620	31,225	86,760	98,000	111,000
		40 or more	15	96,015	25,943	85,433	92,700	95,000
	Basic chemicals	Total	541	92,045	23,631	77,500	88,700	102,000
		5-9	17	64,584	7,734	58,000	65,000	70,000
		10-14	50	71,501	11,827	68,000	72,000	77,000
		15-19	115	81,131	11,257	75,000	81,000	86,158
		20-24	89	93,431	15,772	80,520	91,680	102,900
		25-29	105	95,823	19,366	85,000	93,860	102,500
		30-34	79	104,477	18,902	89,700	105,000	117,000
		35-39	66	108,801	37,020	90,000	101,800	118,200
		40 or more	20	99,093	32,788	80,000	91,344	116,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.4.3
SALARIES of PhD CHEMISTS employed FULL-TIME in INDUSTRY
by INDUSTRY and YEARS SINCE BS
2000 ACS Salary Survey (cont.)

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
EMPLOYER	Biochem products	Total	265	92,645	60,697	69,000	80,000	100,000
		5-9	16	64,460	13,015	60,000	66,000	73,000
		10-14	39	73,728	12,698	69,000	72,000	78,000
		15-19	61	88,580	76,445	68,500	79,000	86,000
		20-24	39	93,185	45,150	68,000	80,000	93,400
		25-29	40	95,059	36,443	68,684	90,000	112,500
		30-34	32	105,530	40,896	72,100	98,000	122,900
		35-39	21	140,565	130,978	81,000	97,000	135,000
		40 or more	17	86,797	21,016	65,000	88,500	100,000
	Building materials	Total	58	90,485	29,676	70,000	82,250	102,000
		20-24	15	89,793	26,536	70,000	82,250	96,000
	Coatings, inks, paints	Total	481	86,264	25,801	71,000	81,120	95,808
		5-9	21	66,926	11,937	61,536	68,000	73,200
		10-14	82	70,094	11,505	63,900	70,200	75,240
		15-19	76	77,254	15,389	67,000	75,000	86,000
		20-24	80	89,072	23,327	75,000	85,000	100,000
		25-29	78	95,531	22,871	80,100	90,100	106,300
		30-34	65	96,796	30,108	80,000	90,000	106,000
		35-39	42	99,921	38,231	79,000	93,300	110,000
		40 or more	37	91,974	27,863	71,000	87,000	106,500
	Electronic/semi conductors	Total	396	95,935	34,355	76,500	90,000	109,000
		5-9	15	71,697	16,044	60,000	67,000	80,000
		10-14	65	75,530	13,402	68,000	75,600	82,000
		15-19	81	83,964	17,917	70,000	82,300	93,000
		20-24	73	101,011	24,207	83,700	97,000	112,500
		25-29	59	104,170	30,336	85,000	96,000	120,000
		30-34	46	119,736	49,818	95,400	109,000	139,200
		35-39	39	111,709	55,413	84,000	100,020	122,000
		40 or more	18	101,106	26,447	82,000	96,000	116,000
	Food	Total	212	90,787	29,983	69,000	86,000	106,000
		10-14	24	64,715	10,344	58,000	65,000	71,000
		15-19	36	74,290	14,802	66,950	69,700	80,000
		20-24	33	89,872	24,857	70,300	88,000	104,000
		25-29	32	100,458	26,513	78,000	100,000	117,000
		30-34	48	99,350	28,377	80,000	96,000	109,226
		35-39	28	108,867	37,621	84,700	98,600	125,000
	Instruments	Total	313	85,193	29,355	67,000	79,260	96,000
		5-9	17	63,617	11,370	54,900	64,000	70,500
		10-14	51	70,587	13,862	60,000	70,000	77,000
		15-19	62	75,795	17,379	63,176	72,300	83,999
		20-24	56	83,892	26,382	70,000	80,000	92,000
		25-29	47	97,654	28,389	77,000	94,000	105,000
		30-34	41	101,674	33,651	77,000	98,000	115,000
		35-39	22	87,567	20,327	69,500	91,860	106,000
		40 or more	17	111,872	58,313	71,000	88,000	130,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.4.3
SALARIES of PhD CHEMISTS employed FULL-TIME in INDUSTRY
by INDUSTRY and YEARS SINCE BS
2000 ACS Salary Survey (cont.)

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
EMPLOYER	Medical devices	Total	441	92,487	31,401	71,500	84,338	102,000
		5-9	15	64,450	7,337	58,000	65,000	68,000
		10-14	61	73,005	10,944	66,000	71,000	78,000
		15-19	103	77,888	15,471	69,300	77,000	84,000
		20-24	83	92,230	23,655	78,000	87,000	100,000
		25-29	58	109,489	33,733	89,856	100,000	133,000
		30-34	57	111,145	34,893	85,692	105,000	122,000
		35-39	48	107,058	36,370	80,000	100,000	127,000
		40 or more	16	116,539	56,244	66,650	86,000	150,000
	Metals	Total	93	83,294	24,674	67,000	78,000	91,000
		15-19	15	73,655	13,625	65,400	73,000	79,860
		20-24	18	84,908	24,410	72,660	81,000	86,500
	Paper	Total	111	83,965	21,685	66,361	81,000	92,500
		15-19	20	76,862	13,990	65,000	77,500	87,988
		20-24	20	77,005	14,889	63,957	72,400	88,000
		25-29	16	96,301	32,378	72,000	88,998	104,000
		30-34	19	93,160	26,037	72,000	86,000	108,000
		35-39	16	91,666	11,560	83,700	88,000	98,000
	Personal Care	Total	135	93,890	38,431	72,700	85,000	104,000
		5-9	15	70,153	7,010	64,000	71,000	72,800
		10-14	16	73,981	7,592	67,800	72,400	78,000
		15-19	29	81,283	14,064	69,944	80,000	86,000
		20-24	28	95,776	20,730	78,300	94,000	115,000
		25-29	16	106,479	19,509	90,720	98,700	117,000
	Petroleum	Total	359	99,945	26,538	80,000	96,000	114,000
		10-14	27	75,160	10,711	67,284	72,300	80,300
		15-19	50	79,726	11,623	72,100	78,100	86,700
		20-24	54	91,193	18,821	83,000	89,000	98,000
		25-29	87	104,883	20,313	90,000	104,000	115,000
		30-34	56	110,014	19,885	97,000	105,000	123,000
		35-39	58	123,231	32,023	104,000	118,000	136,500
		40 or more	16	109,718	31,394	74,000	105,000	130,000
	Pharma-ceuticals	Total	3336	99,153	36,471	77,700	90,050	110,000
		5-9	218	73,700	10,363	68,400	74,500	78,825
		10-14	606	80,466	13,638	72,024	79,800	87,394
		15-19	894	89,327	19,950	76,600	86,500	99,000
		20-24	583	105,254	33,477	86,520	100,000	117,000
		25-29	460	115,505	42,478	90,400	106,000	125,000
		30-34	302	122,817	46,184	93,000	112,000	140,000
		35-39	196	127,364	53,290	97,000	115,200	150,000
		40 or more	77	123,845	64,138	81,912	105,000	140,000
	Plastics	Total	569	93,140	25,901	77,520	88,320	103,200
		5-9	30	69,817	6,459	66,000	70,000	76,100
		10-14	82	74,402	11,910	69,100	73,945	80,000
		15-19	105	84,317	13,001	75,400	83,000	91,032
		20-24	98	95,247	20,477	82,000	93,000	101,000
		25-29	68	102,301	25,074	85,300	96,000	115,000
		30-34	92	107,502	26,610	88,275	104,000	118,800
		35-39	74	104,811	28,531	86,000	100,000	120,000
		40 or more	20	100,566	53,578	72,811	90,000	108,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.4.3
SALARIES of PhD CHEMISTS employed FULL-TIME in INDUSTRY
by INDUSTRY and YEARS SINCE BS
2000 ACS Salary Survey (cont.)

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
EMPLOYER	Rubber	Total	113	87,868	29,913	70,000	82,000	100,000
		10-14	15	68,567	9,492	63,000	71,000	72,000
		15-19	16	80,685	14,302	71,000	78,120	84,900
		20-24	17	85,990	18,536	74,000	85,000	91,000
		25-29	15	93,876	37,041	75,014	85,464	92,880
		35-39	20	103,209	28,595	80,000	101,040	110,000
	Soaps	Total	172	94,824	34,779	72,500	86,000	108,000
		10-14	27	73,918	8,797	69,900	72,000	81,000
		15-19	37	84,195	12,849	72,500	83,000	93,000
		20-24	26	85,247	19,617	75,660	80,000	98,000
		25-29	23	111,413	34,790	95,000	104,000	117,990
		30-34	28	109,246	43,385	82,736	110,000	125,000
	Specialty chems	Total	1179	89,702	28,561	72,600	85,000	100,000
		5-9	51	65,498	6,117	62,000	66,000	69,700
		10-14	140	72,802	17,578	65,000	71,100	78,000
		15-19	256	79,946	15,615	70,000	77,600	87,000
		20-24	204	91,870	22,186	78,370	89,400	100,000
		25-29	179	94,561	26,193	78,000	91,688	106,512
		30-34	170	101,558	28,017	85,405	97,000	114,060
		35-39	135	105,177	45,908	82,100	96,750	111,000
		40 or more	44	105,173	34,320	85,000	98,400	116,300
	Textiles	Total	67	93,548	21,939	75,000	86,000	108,000
	Other manu-facturing	Total	1109	94,572	35,519	72,930	88,920	108,000
		5-9	43	66,692	12,709	62,940	68,600	72,000
		10-14	128	71,433	14,192	63,000	70,000	79,000
		15-19	134	80,789	17,260	69,390	80,000	90,000
		20-24	189	91,648	21,863	79,000	88,600	100,500
		25-29	172	99,809	27,189	81,000	97,500	111,500
		30-34	212	105,487	30,858	86,880	100,900	120,000
		35-39	164	112,878	59,927	84,254	101,750	126,000
		40 or more	67	99,692	40,373	70,700	92,000	120,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.4.4
SALARIES of PhD CHEMISTS employed FULL-TIME in INDUSTRY
by GEOGRAPHIC REGION and YEARS SINCE BS
2000 ACS Salary Survey

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
GEOGRAPHIC REGION	Pacific	Total	1634	96,277	36,642	75,000	87,900	108,600
		5-9	74	70,905	12,163	64,000	70,000	79,000
		10-14	284	78,326	16,005	69,000	76,000	85,500
		15-19	372	86,628	18,796	75,000	84,000	95,000
		20-24	262	101,362	37,947	80,000	92,000	115,000
		25-29	252	111,314	44,796	85,000	100,300	123,000
		30-34	195	111,770	43,900	85,000	105,000	127,000
		35-39	122	108,748	40,143	82,220	96,000	128,000
		40 or more	73	108,610	54,686	75,000	90,000	123,500
	Mountain	Total	402	86,191	32,032	66,000	80,000	100,000
		5-9	25	59,588	12,342	55,000	60,000	65,000
		10-14	57	69,203	13,422	60,216	70,000	77,500
		15-19	80	78,287	21,952	64,480	74,000	89,100
		20-24	61	89,461	26,861	73,393	90,000	102,500
		25-29	54	92,273	32,163	73,000	87,000	105,000
		30-34	73	100,293	33,574	76,843	96,000	110,464
		35-39	41	105,477	51,152	77,500	96,000	115,000
	West North Central	Total	661	87,408	31,913	68,750	81,300	99,000
		5-9	27	63,327	7,552	57,000	65,000	68,400
		10-14	91	69,021	12,740	64,000	69,500	75,702
		15-19	129	76,464	15,360	67,896	75,000	84,000
		20-24	116	87,968	28,046	72,000	86,000	100,000
		25-29	120	89,324	20,854	76,392	85,600	100,000
		30-34	87	107,380	41,753	83,040	98,000	120,000
		35-39	70	106,735	51,902	78,200	93,210	130,000
		40 or more	21	104,064	30,686	78,000	105,000	129,500
	West South Central	Total	785	88,503	27,221	72,000	84,000	100,596
		5-9	41	65,584	15,311	62,800	66,084	70,800
		10-14	97	70,765	9,950	64,000	71,080	75,600
		15-19	165	77,893	14,738	69,768	75,500	85,900
		20-24	111	88,345	20,557	77,450	87,000	98,000
		25-29	142	97,482	26,091	82,000	93,840	110,000
		30-34	112	102,140	25,142	85,500	100,596	116,000
		35-39	90	101,042	32,072	81,400	98,200	119,000
		40 or more	27	106,924	60,778	73,500	95,400	120,000
	East North Central	Total	2086	91,782	31,931	73,000	86,000	103,400
		5-9	120	67,459	9,718	62,000	68,640	73,125
		10-14	291	74,369	15,647	66,300	73,920	82,000
		15-19	406	82,093	18,015	71,000	82,000	90,000
		20-24	361	94,472	37,510	78,400	90,000	103,000
		25-29	308	102,709	27,909	83,520	99,300	117,000
		30-34	273	104,129	29,572	84,000	100,000	117,000
		35-39	224	106,998	42,720	82,000	98,000	120,000
		40 or more	103	99,582	42,614	72,250	93,400	114,400
	East South Central	Total	268	82,828	24,157	70,000	80,250	93,000
		10-14	36	67,777	9,487	60,000	68,500	72,200
		15-19	52	75,857	14,253	66,400	75,800	84,000
		20-24	49	86,819	18,905	72,018	84,000	96,400
		25-29	43	87,812	25,743	76,000	88,000	94,800
		30-34	38	90,903	16,808	81,848	90,000	100,000
		35-39	27	99,759	45,666	74,000	90,000	100,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.4.4
SALARIES of PhD CHEMISTS employed FULL-TIME in INDUSTRY
by GEOGRAPHIC REGION and YEARS SINCE BS
2000 ACS Salary Survey (cont.)

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
GEOGRAPHIC REGION	Middle Atlantic	Total	3001	95,612	33,668	75,520	90,000	106,700
		5-9	147	71,732	9,651	65,900	72,100	76,320
		10-14	392	75,786	11,563	68,025	75,000	82,800
		15-19	621	84,725	19,834	73,866	82,300	92,800
		20-24	529	97,210	25,123	80,700	92,100	108,008
		25-29	436	106,107	31,073	88,000	100,000	116,000
		30-34	437	107,960	35,252	88,275	102,000	120,000
		35-39	304	113,917	54,665	90,000	105,000	125,000
		40 or more	135	107,910	50,401	80,520	97,750	125,000
	South Atlantic	Total	1726	90,739	33,391	72,000	86,000	102,000
		5-9	82	67,138	9,299	62,000	68,300	72,600
		10-14	236	71,582	15,331	62,900	71,000	78,000
		15-19	342	81,465	17,660	70,000	80,000	90,400
		20-24	285	90,845	26,452	76,000	88,200	100,000
		25-29	271	100,078	37,262	84,500	93,000	107,000
		30-34	246	102,547	34,523	80,000	99,480	116,000
		35-39	206	108,927	50,527	88,320	101,000	116,000
		40 or more	58	97,909	36,264	80,000	93,000	105,000
	New England	Total	1194	96,793	38,360	75,000	88,000	108,000
		5-9	70	71,471	15,037	62,700	70,000	79,000
		10-14	214	79,800	15,778	70,000	78,000	87,900
		15-19	265	88,051	21,787	73,000	83,600	100,000
		20-24	204	101,272	39,165	80,000	95,050	112,350
		25-29	141	107,803	38,344	84,000	101,137	120,000
		30-34	135	114,431	42,958	84,300	102,000	133,200
		35-39	108	122,970	65,076	82,500	110,000	139,500
		40 or more	57	97,692	37,747	72,826	94,300	120,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.4.5
SALARIES of PhD CHEMISTS employed FULL-TIME in INDUSTRY
by TOTAL SUBORDINATES and YEARS SINCE BS
2000 ACS Salary Survey

		Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
None	Total	46	82,081	21,775	67,000	76,000	95,600
1-2	Total	2650	82,442	22,900	70,440	80,000	92,000
	5-9	179	70,125	9,724	64,000	70,300	76,000
	10-14	485	74,063	10,931	68,000	75,000	81,000
	15-19	676	78,116	27,211	69,500	76,000	85,000
	20-24	399	84,895	18,031	75,000	84,000	95,000
	25-29	299	90,326	19,212	78,000	89,790	100,800
	30-34	276	92,778	21,420	80,000	92,000	104,600
	35-39	217	93,585	28,624	76,800	93,000	106,000
	40 or more	119	87,366	31,631	70,000	86,000	100,000
3-9	Total	8548	92,397	30,774	73,800	87,665	105,000
	5-9	423	67,946	11,851	62,000	68,500	75,000
	10-14	1214	74,839	14,994	66,000	73,000	82,308
	15-19	1705	84,447	19,109	72,100	82,400	94,000
	20-24	1462	94,842	30,594	79,916	91,000	105,000
	25-29	1339	100,876	29,260	83,760	97,000	112,000
	30-34	1181	104,527	32,175	85,000	100,000	120,000
	35-39	871	106,448	41,147	83,123	100,000	120,000
	40 or more	353	102,928	44,835	76,250	94,000	120,000
10-14	Total	497	127,500	46,449	100,000	120,000	145,000
	10-14	18	85,676	17,214	73,986	84,100	90,060
	15-19	73	106,008	22,591	90,700	105,000	119,600
	20-24	102	121,419	35,736	100,500	118,740	133,000
	25-29	102	132,945	41,674	106,800	128,200	149,000
	30-34	105	133,106	42,101	106,300	125,000	160,000
	35-39	73	147,250	68,991	105,000	135,000	170,000
	40 or more	21	149,927	61,546	100,000	125,000	225,000
15-29	Total	188	175,120	79,099	125,000	158,000	200,000
	20-24	38	151,018	57,264	121,000	137,000	161,000
	25-29	41	175,668	84,392	120,000	145,000	206,000
	30-34	44	177,549	61,251	139,200	160,000	199,500
	35-39	45	206,249	100,270	157,600	186,000	210,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.4.6
SALARIES of PhD CHEMISTS employed FULL-TIME in INDUSTRY
by EMPLOYER SIZE and YEARS SINCE BS
2000 ACS Salary Survey

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
EMPLOYER SIZE	Less than 50	Total	1141	84,335	39,102	60,000	75,000	98,000
		5-9	60	60,525	18,561	50,000	60,000	70,000
		10-14	158	67,377	16,287	58,000	67,600	78,000
		15-19	223	76,687	23,555	60,000	72,100	89,000
		20-24	166	83,851	38,644	58,000	77,175	98,750
		25-29	157	89,848	35,739	66,000	83,000	102,000
		30-34	153	96,688	41,058	71,000	92,000	114,000
		35-39	138	102,357	56,277	67,725	86,000	125,000
		40 or more	86	91,910	54,418	56,000	82,500	120,000
	50 to 99	Total	578	89,751	45,386	66,700	79,000	100,000
		5-9	31	64,199	9,901	57,000	65,000	71,000
		10-14	98	72,423	13,926	63,500	71,000	80,000
		15-19	138	85,157	54,339	65,737	78,000	92,500
		20-24	91	90,924	32,456	72,000	85,000	101,400
		25-29	68	104,821	41,491	72,500	96,000	125,000
		30-34	67	104,497	45,545	72,000	88,500	125,000
		35-39	58	110,017	69,110	68,000	98,000	139,000
		40 or more	27	83,419	36,883	60,000	80,000	95,000
	100 to 499	Total	1316	88,866	37,237	68,000	80,000	99,000
		5-9	93	65,667	10,830	57,500	65,000	73,200
		10-14	239	73,454	16,698	63,000	70,000	82,000
		15-19	282	82,824	22,671	69,000	79,300	92,000
		20-24	222	91,441	31,657	73,393	85,500	101,856
		25-29	148	109,660	51,470	77,000	95,000	120,000
		30-34	141	100,710	45,220	75,000	90,000	108,600
		35-39	121	105,041	53,732	73,000	94,000	120,000
		40 or more	70	92,696	42,243	67,200	83,100	100,000
	500 to 2,499	Total	1233	91,316	42,689	70,408	82,500	99,700
		5-9	48	66,603	9,910	60,175	67,500	72,905
		10-14	190	73,912	18,282	64,000	72,000	83,000
		15-19	254	79,864	20,577	68,500	77,800	88,000
		20-24	202	97,310	52,178	75,000	86,379	102,000
		25-29	186	99,441	43,010	78,000	90,600	109,000
		30-34	160	99,900	39,699	75,000	92,000	110,000
		35-39	130	114,220	67,806	83,123	98,600	125,400
		40 or more	63	96,530	43,200	72,811	85,000	105,000
	2,500 to 9,999	Total	1870	92,920	29,857	74,100	87,000	104,000
		5-9	76	69,564	12,901	63,000	69,000	78,000
		10-14	257	73,935	13,837	65,000	72,000	80,000
		15-19	387	82,301	17,728	71,500	80,000	90,000
		20-24	329	96,630	30,714	81,000	91,500	104,000
		25-29	292	102,022	31,635	84,000	96,000	111,000
		30-34	269	104,363	29,252	85,000	98,000	115,696
		35-39	197	106,576	33,646	84,420	100,000	123,890
		40 or more	63	110,655	46,357	86,000	98,000	122,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 2.4.6
SALARIES of PhD CHEMISTS employed FULL-TIME in INDUSTRY
by EMPLOYER SIZE and YEARS SINCE BS
2000 ACS Salary Survey (cont.)

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
EMPLOYER SIZE	10,000 to 24,999	Total	1544	90,865	23,768	75,000	86,700	101,000
		5-9	89	70,255	8,786	63,300	69,000	75,000
		10-14	206	74,648	11,814	68,200	72,400	79,837
		15-19	318	82,910	14,061	73,080	80,700	90,000
		20-24	265	91,654	18,669	79,800	89,604	102,000
		25-29	225	99,042	21,867	85,000	94,292	107,000
		30-34	222	102,284	24,208	87,660	98,000	115,000
		35-39	163	104,865	30,731	88,320	100,000	113,760
		40 or more	56	105,837	40,714	85,000	97,700	115,000
	25,000 or more	Total	4193	98,288	31,260	79,500	91,864	110,000
		5-9	207	72,420	8,197	68,000	72,100	77,000
		10-14	563	78,709	11,613	72,000	78,000	84,667
		15-19	865	86,941	16,886	75,777	84,900	95,952
		20-24	725	99,802	23,979	84,687	95,000	110,000
		25-29	702	106,117	28,851	89,200	100,980	117,000
		30-34	596	114,481	34,093	92,000	108,000	125,000
		35-39	399	117,462	49,226	91,080	106,000	128,050
		40 or more	136	115,181	43,241	90,120	104,000	132,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 3.1.1
SALARIES of GOVERNMENTAL CHEMISTS employed FULL-TIME
by DEGREE and YEARS SINCE BS
2000 ACS Salary Survey

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
HIGHEST DEGREE	BS	Total	653	56,150	19,713	42,500	53,640	67,400
		2-4	43	33,478	10,740	26,500	34,350	42,000
		5-9	74	40,107	9,691	34,647	40,000	45,000
		10-14	73	52,739	20,720	40,000	51,405	59,000
		15-19	84	52,415	15,780	42,500	50,000	59,868
		20-24	95	58,336	14,777	48,000	56,600	66,198
		25-29	125	62,834	16,800	50,000	61,000	73,609
		30-34	85	65,895	18,660	50,331	65,179	76,286
		35-39	48	68,037	19,445	57,000	63,000	77,500
		40 or more	26	67,027	28,574	47,500	62,000	77,507
	MS	Total	537	63,253	26,677	50,000	61,500	73,018
		5-9	28	47,061	10,220	40,000	47,000	52,911
		10-14	47	49,511	11,345	40,992	48,706	54,990
		15-19	74	59,339	15,010	50,000	60,000	69,849
		20-24	89	58,083	13,293	47,000	59,500	67,000
		25-29	103	64,478	16,690	53,000	64,520	75,000
		30-34	100	75,727	48,708	60,000	68,800	81,000
		35-39	52	68,501	20,173	53,000	67,064	79,155
		40 or more	42	69,190	20,389	55,572	68,961	88,455
	PhD	Total	1551	82,403	22,721	66,571	80,000	97,000
		5-9	43	58,852	18,414	45,700	55,500	66,460
		10-14	111	64,719	14,479	56,200	64,000	73,000
		15-19	218	72,435	20,252	61,000	70,000	81,546
		20-24	232	79,052	18,623	68,541	77,081	88,750
		25-29	217	84,316	20,691	70,000	84,000	98,432
		30-34	288	87,657	22,669	75,096	88,741	102,003
		35-39	269	91,545	22,434	77,126	91,581	107,160
		40 or more	173	91,294	23,026	75,000	92,000	107,200

Note: Categories with fewer than 15 cases have been suppressed.

Table 4.1.1
SALARIES of PhD ACADEMIC CHEMISTS employed FULL-TIME
by CONTRACT STATUS and RANK
2000 ACS Salary Survey

		Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
9-10 month	Full professor	2516	79,109	27,477	61,000	73,614	90,000
	Assoc professor	1091	53,447	11,938	45,000	51,500	60,000
	Asst professor	1207	46,095	17,207	39,000	43,882	50,128
	Instructor, adjunct	201	42,308	13,482	34,000	39,105	46,000
	Other nonfaculty	18	43,849	21,757	27,623	39,000	50,000
	No ranks	93	49,558	13,660	38,600	47,000	57,000
	Secondary teacher	89	44,670	13,139	35,000	42,300	52,000
11-12 month	Full professor	967	108,420	37,528	83,000	101,000	128,000
	Assoc professor	303	72,035	31,588	59,000	70,000	80,000
	Asst professor	275	57,502	19,284	43,500	56,190	65,000
	Instructor, adjunct	119	55,281	26,391	38,000	45,000	65,000
	Research appt	519	53,439	21,720	36,000	50,000	67,000
	Other nonfaculty	240	62,352	28,764	42,000	55,000	76,000
	No ranks	28	65,541	18,823	52,450	66,000	71,702
	Secondary teacher	33	45,452	13,351	35,000	40,000	50,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 4.2.1
SALARIES of PhD ACADEMIC CHEMISTS employed FULL-TIME
by RANK and YEARS SINCE PhD - 9 or 10 Month Contract
2000 ACS Salary Survey

		Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
Full professor	Total	2503	79,063	27,452	61,000	73,614	90,000
	10-14	120	71,404	22,009	55,249	68,000	82,000
	15-19	258	72,892	20,845	56,200	70,000	83,500
	20-24	357	75,021	24,575	57,500	69,925	86,916
	25-29	510	78,031	33,254	60,000	72,000	87,900
	30-34	698	78,422	26,412	61,448	72,300	88,000
	35-39	403	85,823	24,250	69,000	81,000	100,003
	40+	143	96,029	29,390	74,369	90,648	110,000
Assoc professor	Total	1085	53,491	11,932	45,000	51,500	60,000
	5-9	158	50,215	10,109	42,700	48,555	55,560
	10-14	386	53,473	12,223	45,000	51,000	59,500
	15-19	211	54,360	10,911	46,000	52,881	61,000
	20-24	110	51,684	8,192	45,000	51,948	56,400
	25-29	89	55,806	17,598	48,800	51,500	60,000
	30-34	76	56,736	9,222	50,800	55,000	63,000
	35-39	29	59,214	8,149	52,000	57,248	65,300
	40+	15	56,359	21,014	40,925	59,416	65,000
Asst professor	Total	1195	46,109	17,280	39,000	43,938	50,128
	2-4	300	43,958	9,802	37,515	41,000	48,000
	5-9	639	47,515	21,989	40,000	45,000	52,000
	10-14	167	45,521	7,686	39,711	45,000	49,700
	15-19	44	45,254	9,186	38,000	42,800	50,000
Instructor, adjunct	Total	197	42,382	13,588	34,000	39,480	46,000
	2-4	37	38,366	8,356	33,000	37,000	43,000
	5-9	40	40,735	11,255	34,600	38,000	43,500
	10-14	41	44,157	11,376	35,000	42,000	49,000
	15-19	29	46,247	19,528	36,000	40,000	47,950
	25-29	17	41,423	12,434	33,705	37,000	46,000
Other nonfaculty	Total	18	43,849	21,757	27,623	39,000	50,000
No ranks	Total	93	49,558	13,660	38,600	47,000	57,000
	20-24	20	51,862	14,800	40,000	48,000	66,400
	25-29	26	52,643	15,670	42,000	50,246	60,284
Secondary teacher	Total	87	44,638	13,161	35,000	42,300	51,548
	5-9	17	38,048	8,998	29,865	38,900	45,104
	25-29	18	47,873	14,351	35,000	48,000	56,887
	30-34	15	52,583	11,685	45,000	52,000	63,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 4.2.2
SALARIES of PhD ACADEMIC CHEMISTS employed FULL-TIME
by RANK and YEARS SINCE PhD - 11 or 12 Month Contract
2000 ACS Salary Survey

		Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
Full professor	Total	954	108,390	37,561	82,700	101,000	128,000
	10-14	17	85,289	33,789	52,000	82,416	99,000
	15-19	77	96,179	31,421	78,000	93,000	106,245
	20-24	110	104,388	35,984	81,700	94,760	117,327
	25-29	203	103,651	35,734	78,500	100,000	125,000
	30-34	294	110,096	35,624	86,000	103,000	128,000
	35-39	185	115,094	39,241	88,000	109,000	138,000
	40+	60	133,496	38,469	105,000	127,598	145,000
Assoc professor	Total	301	72,291	31,535	60,000	70,000	80,000
	5-9	25	59,541	16,055	45,021	56,500	65,000
	10-14	75	67,513	14,842	60,000	69,500	75,400
	15-19	81	80,648	51,821	63,000	72,000	82,000
	20-24	38	77,234	23,346	63,358	72,000	87,250
	25-29	39	69,427	15,202	61,000	66,900	73,200
	30-34	19	79,503	23,696	60,000	78,000	92,000
Asst professor	Total	271	57,591	19,334	43,535	56,190	65,000
	2-4	58	49,871	12,627	39,000	48,000	57,500
	5-9	112	55,679	14,452	43,000	56,561	65,000
	10-14	44	64,150	21,710	50,500	60,000	70,000
	15-19	27	68,803	27,233	50,000	63,000	70,000
	20-24	15	66,189	24,391	43,500	58,140	75,000
Instructor, adjunct	Total	119	55,281	26,391	38,000	45,000	65,000
	5-9	25	46,747	16,149	36,000	41,000	52,500
	10-14	16	62,031	29,291	36,835	59,000	79,100
	25-29	23	68,176	32,578	43,000	57,925	85,700
Research appt	Total	513	53,496	21,643	36,000	50,000	67,000
	2-4	79	41,448	14,842	30,000	36,000	50,238
	5-9	141	46,042	15,855	32,337	42,500	59,000
	10-14	80	49,737	15,353	38,000	48,500	57,000
	15-19	76	59,061	20,604	41,100	58,000	75,000
	20-24	50	62,246	20,700	47,000	60,300	73,000
	25-29	43	68,145	26,181	48,600	60,000	77,000
	30-34	23	68,982	20,773	57,000	66,750	77,400
Other nonfaculty	Total	238	62,246	28,682	42,300	55,000	76,000
	2-4	19	38,949	12,111	28,600	34,000	45,000
	5-9	56	47,272	15,727	35,000	45,800	55,000
	10-14	25	51,264	13,413	40,961	48,000	58,000
	15-19	34	65,141	22,650	50,000	57,390	85,500
	20-24	25	81,865	31,960	55,000	73,364	101,000
	25-29	29	67,794	22,300	52,641	66,000	79,196
	30-34	32	79,934	36,829	46,000	80,000	96,000
No ranks	Total	28	65,541	18,823	52,450	66,000	71,702
Secondary teacher	Total	32	45,528	13,558	35,000	40,000	50,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 4.3.1
SALARIES of PhD ACADEMIC CHEMISTS employed FULL-TIME
by RANK and ACADEMIC WORK FUNCTION - 9 or 10 Month Contract
2000 ACS Salary Survey

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
WORK	Teaching	Full professor	1214	67,581	23,472	55,000	64,250	75,000
		Assoc professor	674	50,560	10,947	43,811	49,500	55,000
		Asst professor	723	42,306	7,158	37,700	40,600	45,500
		Instructor, adjunct	184	40,932	10,195	34,000	38,500	45,000
		No ranks	80	47,868	12,417	38,000	44,000	56,000
		Secondary teacher	41	46,125	13,169	36,000	43,950	52,000
	Research	Full professor	722	93,667	26,958	74,781	90,000	108,000
		Assoc professor	231	58,597	12,220	51,000	56,500	65,000
		Asst professor	354	51,489	9,442	45,000	50,000	56,294
	Admin	Full professor	89	84,864	22,635	70,501	81,350	96,000
	Other	Secondary teacher	34	43,223	13,423	32,000	42,000	51,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 4.3.2
SALARIES of PhD ACADEMIC CHEMISTS employed FULL-TIME
by RANK and ACADEMIC WORK FUNCTION - 11 or 12 Month Contract
2000 ACS Salary Survey

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
WORK	Teaching	Full professor	143	78,810	28,064	59,000	75,460	89,360
		Assoc professor	88	61,649	20,741	48,000	57,947	70,000
		Asst professor	77	45,414	13,792	36,140	41,000	48,900
		Instructor, adjunct	41	45,831	14,490	33,900	42,000	50,000
		No ranks	16	57,992	10,237	50,667	55,000	66,315
	Research	Full professor	402	113,203	36,160	89,000	107,000	130,000
		Assoc professor	153	74,709	18,172	63,000	72,000	82,000
		Asst professor	164	61,458	17,051	51,000	60,000	68,000
		Instructor, adjunct	40	55,097	27,703	37,000	43,000	65,000
		Research appt	453	51,885	21,209	35,000	48,546	65,000
		Other nonfaculty	65	47,969	20,019	32,000	43,500	57,950
	Admin	Full professor	254	120,381	39,404	90,200	113,512	143,000
		Assoc professor	22	73,290	16,441	61,500	71,200	88,307
		Research appt	28	70,903	25,012	49,121	70,000	89,230
		Other nonfaculty	87	84,357	29,712	62,000	83,200	100,000
	Other	Other nonfaculty	44	49,946	21,487	38,952	45,000	55,000
		Secondary teacher	18	46,207	15,501	35,000	40,000	50,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 4.4.1
SALARIES of PhD ACADEMIC CHEMISTS employed FULL-TIME
by RANK and SPECIALTY - 9 or 10 Month Contract
2000 ACS Salary Survey

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
SPECLTY	Chemical engineering	Full professor	110	98,951	25,299	82,000	93,480	109,500
		Assoc professor	32	69,560	13,970	65,000	70,200	75,349
		Asst professor	40	62,514	9,748	57,531	61,000	65,000
	Ag/Food chem	Full professor	16	83,642	24,269	64,000	74,500	98,200
	Analytical chemistry	Full professor	168	80,700	27,958	62,011	72,300	91,000
		Assoc professor	115	52,825	8,777	45,600	51,500	58,750
		Asst professor	95	43,453	6,321	38,500	41,100	48,000
	Biochemistry	Full professor	213	82,380	28,423	62,000	75,000	93,000
		Assoc professor	113	51,864	9,946	45,000	50,000	57,000
		Asst professor	151	45,277	7,824	40,000	43,000	50,000
	Biotechnology	Full professor	26	89,064	44,187	65,000	75,000	107,000
		Asst professor	18	48,925	10,853	39,500	46,500	56,645
	Chemical education	Full professor	544	65,571	17,487	54,000	63,208	75,000
		Assoc professor	261	49,680	9,460	42,300	48,500	55,000
		Asst professor	230	40,501	6,117	36,540	39,900	43,500
		Instructor, adjunct	86	40,859	9,540	35,000	40,000	46,000
		No ranks	78	49,987	13,815	38,600	46,500	57,400
		Secondary teacher	64	46,082	14,157	35,000	44,900	53,049
	Environmental chemistry	Full professor	83	82,770	22,766	68,000	78,000	92,485
		Assoc professor	49	60,334	13,177	49,000	59,823	66,000
		Asst professor	68	49,624	9,611	42,000	49,000	55,000
	General chemistry	Full professor	57	62,972	16,378	50,100	65,000	70,130
		Assoc professor	34	48,880	14,056	40,000	47,000	55,000
		Asst professor	23	37,074	5,563	35,000	36,500	39,000
		Instructor, adjunct	16	37,041	9,112	31,500	35,000	39,105
	Inorganic chemistry	Full professor	219	80,371	23,375	62,000	75,000	92,000
		Assoc professor	89	51,694	7,114	45,448	50,685	56,000
		Asst professor	90	51,200	53,971	39,600	44,250	50,000
	Materials science	Full professor	75	90,105	23,935	74,600	85,000	101,619
		Assoc professor	29	59,385	10,147	51,000	59,000	63,000
		Asst professor	44	51,608	9,803	44,200	50,000	58,000
	Medicinal-Pharma- ceutical	Full professor	35	89,750	23,893	72,500	87,000	106,000
		Assoc professor	17	56,231	7,460	48,555	56,100	60,800
		Asst professor	21	50,460	9,036	45,000	48,000	55,000
	Organic chemistry	Full professor	425	78,520	33,976	60,000	71,104	91,700
		Assoc professor	148	52,554	10,601	44,000	51,500	57,151
		Asst professor	217	45,147	7,912	39,605	44,000	49,000
		Instructor, adjunct	23	43,808	12,461	34,000	40,000	48,000
	Physical chemistry	Full professor	361	83,333	26,433	64,300	78,756	95,000
		Assoc professor	116	53,015	10,957	46,000	51,500	55,667
		Asst professor	146	46,495	8,688	40,000	45,000	50,900
	Polymer chemistry	Full professor	82	88,168	24,752	71,000	85,000	100,000
		Assoc professor	30	65,171	22,739	54,600	60,250	69,000
		Asst professor	29	48,362	8,040	42,500	46,000	54,724
	Other chem sci	Full professor	38	86,380	22,103	70,000	85,000	101,850
	Other nonchem	Full professor	45	93,095	32,192	70,000	90,000	105,000
		Assoc professor	25	60,717	21,661	45,000	55,600	61,000
		Asst professor	19	53,197	11,140	43,713	51,288	63,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 4.4.2
SALARIES of PhD ACADEMIC CHEMISTS employed FULL-TIME
by RANK and SPECIALTY - 11 or 12 Month Contract
2000 ACS Salary Survey

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
SPECLTY	Chemical engineer	Full professor	29	132,307	33,815	104,401	130,000	161,000
	Ag/Food chem	Full professor	47	98,847	20,937	81,000	99,500	113,000
	Analytical chemistry	Full professor	44	91,201	28,636	73,633	85,680	106,000
		Assoc professor	18	62,092	14,246	56,000	61,905	74,680
		Research appt	63	54,390	19,881	41,000	51,600	60,750
		Other nonfaculty	42	50,740	15,845	39,535	47,000	58,000
	Bio- chemistry	Full professor	261	112,315	34,700	89,130	107,000	130,000
		Assoc professor	91	74,891	12,875	66,000	74,000	82,000
		Asst professor	78	60,642	18,057	51,000	60,000	67,000
		Instructor, adjunct	13	54,821	35,856	35,000	40,000	47,000
		Research appt	98	47,536	19,552	33,000	42,000	60,000
		Other nonfaculty	17	49,261	30,705	30,000	39,000	51,000
	Bio- technology	Full professor	22	122,446	46,358	95,000	110,000	142,600
		Research appt	26	59,340	16,599	46,000	60,000	72,000
	Chemical education	Full professor	89	84,288	32,492	60,000	81,000	96,672
		Assoc professor	32	57,288	14,726	44,000	55,500	65,500
		Asst professor	23	40,383	7,433	34,900	39,000	42,000
		Instructor, adjunct	32	46,361	17,212	33,900	42,000	57,200
		Other nonfaculty	26	60,871	32,977	41,000	50,328	66,000
		Secondary teacher	24	44,542	12,706	35,000	40,000	47,908
	Environmental chemistry	Full professor	43	101,910	24,729	82,000	93,000	120,000
		Assoc professor	17	65,206	10,195	56,500	65,000	67,500
		Asst professor	20	58,918	8,560	53,934	58,000	65,000
		Research appt	47	67,110	25,738	45,000	60,000	84,000
	Inorganic chemistry	Full professor	37	108,554	42,541	68,600	100,000	140,900
	Materials science	Full professor	20	98,636	34,398	80,000	90,000	113,512
		Research appt	33	52,009	18,398	35,000	52,800	61,360
	Medicinal/ Pharma-ceutical	Full professor	93	112,959	34,479	88,355	100,076	131,000
		Assoc professor	41	86,121	69,239	63,000	70,582	89,000
		Asst professor	28	63,144	17,861	54,000	58,800	67,000
		Research appt	46	55,093	21,406	37,000	51,000	73,104
	Organic chemistry	Full professor	68	108,536	41,079	80,520	98,000	131,577
		Asst professor	29	48,215	13,114	39,000	46,000	56,000
		Research appt	54	43,305	18,443	28,800	37,600	54,350
	Physical chemistry	Full professor	54	107,973	38,516	78,000	100,000	135,000
		Research appt	50	54,131	25,896	34,040	50,732	60,300
		Other nonfaculty	15	48,672	16,447	39,000	46,000	51,000
	Polymer chemistry	Full professor	17	101,577	23,980	86,000	106,000	114,000
		Research appt	21	59,042	19,503	45,000	58,000	68,600
	Computer	Other nonfaculty	16	56,632	15,883	45,000	57,950	60,496
	Other nonchemistry	Full professor	95	123,369	43,143	95,263	117,357	142,699
		Assoc professor	17	99,954	30,954	72,000	90,000	120,000
		Asst professor	21	79,738	30,553	53,500	68,700	100,000
		Research appt	20	65,205	26,053	41,200	64,200	78,000
		Other nonfaculty	33	85,784	30,236	62,000	88,834	105,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 4.5.1
SALARIES of PhD ACADEMIC CHEMISTS employed FULL-TIME
by RANK and TENURE - 9 or 10 Month Contract
2000 ACS Salary Survey

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
TENURE	Yes	Full professor	2451	79,634	27,525	61,600	74,200	91,000
		Assoc professor	962	53,950	11,093	46,000	52,000	60,000
		Asst professor	87	44,396	7,405	39,600	43,000	48,790
		Instructor, adjunct	13	50,974	16,527	36,254	49,000	50,000
		No ranks	56	54,264	14,166	42,000	51,749	68,000
		Secondary teacher	33	53,480	14,393	40,000	53,600	63,000
	No, in tenure track	Assoc professor	80	49,629	10,717	41,900	48,000	56,100
		Asst professor	1049	46,662	18,158	39,500	44,300	51,000
		Instructor, adjunct	18	41,733	9,273	33,522	40,453	49,000
	No, no tenure track	Assoc professor	18	50,236	24,743	38,000	44,636	52,000
		Asst professor	47	40,139	7,192	36,000	38,953	42,000
		Instructor, adjunct	151	41,665	13,742	34,000	38,500	44,500
	Not applic	Full professor	41	54,245	11,541	46,000	54,000	60,000
		Assoc professor	26	48,536	24,509	40,500	42,450	48,200
		Asst professor	23	39,734	6,148	36,000	39,900	41,200
		Instructor, adjunct	19	42,037	11,159	35,000	40,000	43,000
		No ranks	24	39,907	8,538	33,000	38,000	44,000
		Secondary teacher	40	39,648	9,473	31,500	40,022	45,104

Note: Categories with fewer than 15 cases have been suppressed.

Table 4.5.2
SALARIES of PhD ACADEMIC CHEMISTS employed FULL-TIME
by RANK and TENURE - 11 or 12 Month Contract
2000 ACS Salary Survey

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
TENURE	Yes	Full professor	880	109,907	36,994	85,000	103,000	130,000
		Assoc professor	192	69,374	14,912	61,000	68,200	77,000
		Other nonfaculty	19	96,578	25,605	82,200	86,400	106,000
	No, in track	Assoc professor	43	78,501	29,556	58,600	75,000	85,000
		Asst professor	175	58,919	17,467	47,170	59,000	66,250
	No, no tenure track	Full professor	38	92,965	27,973	72,000	98,300	107,000
		Assoc professor	48	79,059	65,930	55,000	65,316	79,026
		Asst professor	70	56,898	24,574	41,277	51,500	64,000
		Instructor, adjunct	90	55,296	27,033	37,000	44,850	65,000
		Research appt	301	54,393	20,874	38,000	50,963	66,041
		Other nonfaculty	81	59,712	22,550	43,000	52,700	72,692
	Not applic	Full professor	38	90,995	43,857	60,000	80,008	120,000
		Assoc professor	19	68,506	24,435	47,000	72,000	78,000
		Asst professor	16	52,238	15,358	38,431	50,400	58,140
		Instructor, adjunct	23	58,218	26,746	40,000	49,950	68,000
		Research appt	198	50,743	21,588	33,000	45,000	66,000
		Other nonfaculty	133	58,241	27,649	39,178	51,300	70,532
		Secondary teacher	21	42,546	10,802	34,000	40,000	47,908

Note: Categories with fewer than 15 cases have been suppressed.

Table 4.6.1
SALARIES of PhD ACADEMIC CHEMISTS employed FULL-TIME
by RANK and INSTITUTIONAL CONTROL - 9 or 10 Month Contract
2000 ACS Salary Survey

		Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
Public	Full professor	1633	80,291	27,417	63,000	75,000	90,000
	Assoc professor	684	54,844	12,333	46,773	52,265	61,000
	Asst professor	749	46,721	8,946	40,000	45,000	52,000
	Instructor, adjunct	144	42,119	13,303	33,705	38,628	46,000
	No ranks	76	50,837	12,033	40,383	48,000	57,700
	Secondary teacher	61	46,247	13,210	36,558	42,823	52,000
Private	Full professor	877	76,876	27,472	56,963	71,000	90,100
	Assoc professor	406	51,101	10,874	43,525	50,000	56,340
	Asst professor	457	45,066	25,498	37,700	41,500	48,000
	Instructor, adjunct	57	42,785	14,035	35,620	40,000	46,000
	No ranks	17	43,844	18,753	32,000	38,000	50,246
	Secondary teacher	26	41,326	12,443	32,000	40,000	50,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 4.6.2
SALARIES of PhD ACADEMIC CHEMISTS employed FULL-TIME
by RANK and INSTITUTIONAL CONTROL - 11 or 12 Month Contract
2000 ACS Salary Survey

		Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
Public	Full professor	700	107,862	33,879	85,000	101,000	125,000
	Assoc professor	196	73,503	35,046	61,500	70,000	79,026
	Asst professor	163	57,816	17,065	47,000	57,500	65,000
	Instructor, adjunct	82	57,732	28,109	39,960	46,200	71,000
	Research appt	357	52,737	22,057	35,000	50,000	66,000
	Other nonfaculty	180	61,394	27,999	41,000	53,500	75,000
	No ranks	20	64,002	13,096	52,450	65,000	70,549
Private	Full professor	259	110,646	45,789	75,900	102,000	135,000
	Assoc professor	106	69,294	24,025	54,000	65,000	80,000
	Asst professor	110	57,017	22,388	40,000	51,500	66,000
	Instructor, adjunct	37	49,849	21,478	35,000	43,000	60,000
	Research appt	158	55,079	21,065	37,625	51,600	68,500
	Other nonfaculty	58	64,645	31,044	43,000	55,840	83,200
	Secondary teacher	19	41,645	10,414	34,000	40,000	47,150

Note: Categories with fewer than 15 cases have been suppressed.

Table 4.7.1
SALARIES of PhD ACADEMIC CHEMISTS employed FULL-TIME
by RANK and TYPE OF INSTITUTION - 9 or 10 Month Contract
2000 ACS Salary Survey

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
INSTI-TUTION	NonPhD-granting	Full professor	1176	64,753	20,296	54,027	62,757	72,996
		Assoc professor	627	49,251	8,972	43,200	48,247	54,000
		Asst professor	711	41,365	5,910	37,500	40,000	44,320
		Instructor, adjunct	91	39,206	8,040	34,000	38,000	42,000
		No ranks	85	49,669	13,522	39,000	47,500	57,000
	PhD- granting	Full professor	1288	91,427	26,185	72,500	86,500	105,562
		Assoc professor	437	59,108	12,886	50,800	57,000	65,000
		Asst professor	469	52,757	24,933	45,000	50,000	57,000
		Instructor, adjunct	107	44,551	16,066	34,275	41,300	48,000
	Medical school	Full professor	51	99,261	38,374	77,200	92,000	115,000
		Assoc professor	26	60,066	15,674	50,000	59,500	65,000
		Asst professor	27	54,891	9,898	48,000	52,000	60,000
	Secondary sch	Secondary teacher	87	44,778	13,216	35,000	42,300	52,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 4.7.2
SALARIES of PhD ACADEMIC CHEMISTS employed FULL-TIME
by RANK and TYPE OF INSTITUTION - 11 or 12 Month Contract
2000 ACS Salary Survey

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
INSTI-TUTION	NonPhD-granting	Full professor	213	83,896	27,601	64,500	81,700	97,500
		Assoc professor	64	57,258	17,408	44,033	54,080	65,000
		Asst professor	58	39,793	5,537	35,904	39,000	43,000
		Instructor, adjunct	27	45,705	20,365	32,010	40,000	47,270
		Research appt	17	53,973	22,067	35,720	49,200	70,300
		Other nonfaculty	32	72,822	33,236	43,360	66,000	99,500
		No ranks	19	62,260	12,817	52,450	60,000	70,000
	PhD- granting	Full professor	472	114,825	36,042	88,000	108,500	135,000
		Assoc professor	103	73,120	45,725	61,000	66,390	77,000
		Asst professor	118	56,688	13,847	50,000	57,000	62,964
		Instructor, adjunct	76	57,524	25,855	40,000	49,950	68,000
		Research appt	415	53,507	21,743	35,000	50,165	68,000
		Other nonfaculty	179	60,744	26,817	42,000	52,979	75,000
	Medical school	Full professor	282	116,223	38,777	90,000	107,900	131,000
		Assoc professor	136	78,168	19,202	65,316	73,000	85,000
		Asst professor	99	68,848	21,830	56,000	65,000	71,000
		Instructor, adjunct	16	60,785	34,570	38,000	45,000	61,836
		Research appt	87	53,010	21,793	36,500	50,000	65,000
		Other nonfaculty	26	62,522	33,873	42,000	56,000	70,532
	Secondary sch	Secondary teacher	32	45,622	13,529	35,000	40,000	50,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 4.8.1
SALARIES of PhD ACADEMIC CHEMISTS employed FULL-TIME
by RANK, INST CONTROL and TYPE OF INSTITUTION - 9 or 10 Month Contract
2000 ACS Salary Survey

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
Public	NonPhD-granting	Full professor	656	66,511	23,286	56,457	65,000	73,723
		Assoc professor	318	50,168	9,463	44,000	48,900	54,409
		Asst professor	368	42,011	5,846	38,000	40,885	45,000
		Instructor, adjunct	62	39,512	8,811	33,500	36,500	42,000
		No ranks	72	50,923	12,074	40,383	50,000	57,700
	PhD-granting	Full professor	940	89,204	25,618	71,000	85,000	103,000
		Assoc professor	346	58,644	12,890	50,370	56,107	65,000
		Asst professor	360	51,021	8,931	45,000	49,250	55,440
		Instructor, adjunct	79	43,623	15,271	34,000	40,000	48,000
	Medical	Full professor	36	98,953	35,222	75,000	92,000	115,000
		Assoc professor	19	64,787	15,030	53,770	62,723	65,000
		Asst professor	21	55,550	10,542	48,000	52,000	63,000
	Secondary	Secondary teacher	59	46,459	13,301	36,700	42,823	52,000
Private	NonPhD-granting	Full professor	518	62,514	15,498	51,715	60,000	71,000
		Assoc professor	309	48,307	8,346	42,000	48,000	53,272
		Asst professor	343	40,673	5,909	36,500	39,900	43,325
		Instructor, adjunct	29	38,552	6,163	35,000	38,500	43,500
	PhD-granting	Full professor	344	97,495	26,760	79,000	94,400	110,000
		Assoc professor	90	60,993	12,810	52,340	60,000	70,000
		Asst professor	108	58,601	49,056	45,500	52,000	62,000
		Instructor, adjunct	28	47,169	18,165	36,500	44,000	47,950
	Medical	Full professor	15	100,000	46,444	78,094	90,000	105,000
	Secondary	Secondary teacher	26	41,326	12,443	32,000	40,000	50,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 4.8.2
SALARIES of PhD ACADEMIC CHEMISTS employed FULL-TIME
by RANK, INST CONTROL, and TYPE OF INSTITUTION - 11 or 12 Month Contract
2000 ACS Salary Survey

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
Public	NonPhD-granting	Full professor	130	90,052	24,933	77,000	86,500	103,400
		Assoc professor	28	65,330	19,743	49,100	64,000	75,000
		Asst professor	17	40,133	6,808	36,000	39,000	43,535
		Other nonfaculty	23	76,598	34,569	45,000	70,000	95,000
		No ranks	17	63,926	12,375	52,450	65,000	70,549
	PhD-granting	Full professor	385	111,731	33,561	86,971	105,000	131,577
		Assoc professor	86	73,081	49,610	60,000	65,000	75,000
		Asst professor	86	54,890	13,442	47,500	56,500	60,000
		Instructor, adjunct	58	57,964	28,090	40,000	46,200	70,000
		Research appt	294	52,744	22,426	34,850	50,000	68,000
		Other nonfaculty	142	59,620	26,689	40,000	52,000	75,000
	Medical school	Full professor	185	112,324	36,032	90,000	106,000	125,000
		Assoc professor	82	76,737	14,502	69,100	73,864	84,000
		Asst professor	60	67,021	18,384	56,500	63,200	70,000
		Research appt	51	51,927	20,298	37,000	50,000	65,000
Private	NonPhD-granting	Full professor	83	74,255	28,939	51,800	67,500	87,000
		Assoc professor	36	50,980	12,332	42,500	47,349	56,000
		Asst professor	41	39,652	5,008	35,500	39,000	42,000
	PhD-granting	Full professor	84	130,193	41,781	99,264	125,000	168,000
		Assoc professor	17	73,316	15,929	65,000	75,000	83,480
		Asst professor	31	61,758	14,134	52,000	59,000	65,000
		Instructor, adjunct	18	56,106	17,340	40,000	57,200	65,000
		Research appt	118	55,580	20,022	39,055	52,800	69,000
		Other nonfaculty	35	64,085	27,035	45,000	55,840	75,000
	Medical school	Full professor	92	125,630	42,544	98,000	120,000	139,000
		Assoc professor	53	80,443	24,918	63,358	71,500	90,000
		Asst professor	38	71,887	26,598	54,000	68,000	75,000
		Research appt	35	54,245	24,247	36,000	50,000	61,000
	Secondary	Secondary teacher	18	41,737	10,708	34,000	40,000	47,908

Note: Categories with fewer than 15 cases have been suppressed.

Table 4.9.1
SALARIES of PhD ACADEMIC CHEMISTS employed FULL-TIME
by RANK and SEX - 9 or 10 Month Contract
2000 ACS Salary Survey

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
SEX	Men	Full professor	2227	80,088	27,994	61,859	74,987	92,000
		Assoc professor	802	54,055	12,033	45,506	52,000	60,000
		Asst professor	809	47,205	20,164	39,600	45,000	52,000
		Instructor, adjunct	116	44,151	14,903	35,000	41,000	47,950
		No ranks	71	50,356	14,364	40,000	47,614	57,700
		Secondary teacher	50	45,972	14,517	35,000	44,900	55,000
	Women	Full professor	268	70,967	21,472	56,250	67,000	80,300
		Assoc professor	283	51,761	11,458	44,300	50,000	57,000
		Asst professor	387	43,654	7,878	38,500	42,000	48,000
		Instructor, adjunct	85	39,792	10,846	33,000	37,700	44,000
		No ranks	22	46,984	10,985	38,000	42,000	53,000
		Secondary teacher	38	43,185	11,177	35,000	41,250	48,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 4.9.2
SALARIES of PhD ACADEMIC CHEMISTS employed FULL-TIME
by RANK and SEX - 11 or 12 Month Contract
2000 ACS Salary Survey

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
SEX	Men	Full professor	856	109,975	37,547	84,000	103,000	130,000
		Assoc professor	248	72,920	33,785	60,000	69,500	80,148
		Asst professor	179	59,944	20,753	45,266	58,140	67,400
		Instructor, adjunct	85	57,808	29,548	37,500	45,000	71,239
		Research appt	407	55,525	22,605	37,600	52,368	69,900
		Other nonfaculty	180	64,870	29,617	43,000	58,000	79,196
		No ranks	20	66,350	21,098	51,621	65,000	75,653
		Secondary teacher	24	46,098	13,329	35,000	40,000	52,142
	Women	Full professor	108	96,400	35,731	77,000	93,000	110,000
		Assoc professor	54	68,012	18,597	52,000	68,000	77,000
		Asst professor	96	52,949	15,279	41,000	53,000	60,000
		Instructor, adjunct	34	48,962	14,510	39,960	44,436	60,000
		Research appt	110	46,188	16,038	33,235	42,000	55,000
		Other nonfaculty	58	55,361	24,891	37,500	49,000	67,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 4.10.1
SALARIES of PhD ACADEMIC CHEMISTS employed FULL-TIME
by RANK and GEOGRAPHIC REGION - 9 or 10 Month Contract
2000 ACS Salary Survey

		Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
Pacific	Full professor	306	83,674	27,248	65,529	75,000	97,400
	Assoc professor	76	56,956	11,592	49,000	54,996	62,000
	Asst professor	97	49,436	10,451	42,396	48,000	55,000
	Instructor, adjunct	31	49,295	10,372	41,626	49,000	56,000
	No ranks	26	55,458	11,379	45,962	54,312	67,500
Mountain	Full professor	161	77,222	24,694	58,661	72,000	89,750
	Assoc professor	64	52,690	12,241	43,270	49,500	61,366
	Asst professor	64	47,073	9,154	40,768	46,000	50,000
	No ranks	22	49,152	14,996	37,500	47,500	57,000
West North Central	Full professor	214	72,112	21,706	56,300	65,900	86,000
	Assoc professor	118	50,798	14,466	43,398	47,700	54,540
	Asst professor	123	41,902	6,755	37,500	40,000	45,320
West South Central	Full professor	229	75,194	32,232	54,920	65,500	83,300
	Assoc professor	93	50,841	9,754	44,250	49,000	53,000
	Asst professor	103	43,451	8,890	37,110	42,000	46,800
	Instructor, adjunct	25	35,977	6,463	31,062	35,000	40,000
East North Central	Full professor	419	80,630	26,988	61,062	74,930	93,500
	Assoc professor	193	52,630	11,746	44,000	50,370	58,583
	Asst professor	244	46,255	9,161	40,000	43,000	52,000
	Instructor, adjunct	36	37,783	6,314	33,300	35,000	41,000
East South Central	Full professor	119	65,634	21,615	52,925	61,000	72,000
	Assoc professor	80	48,741	8,905	43,000	48,957	52,166
	Asst professor	86	41,910	8,647	36,500	38,900	43,244
Middle Atlantic	Full professor	425	82,552	22,817	67,500	80,225	92,000
	Assoc professor	191	56,923	13,071	49,500	55,000	62,859
	Asst professor	186	46,732	9,175	40,000	44,672	51,714
	Instructor, adjunct	30	47,270	20,097	36,000	41,000	47,300
	Secondary teacher	21	44,337	15,373	35,000	42,000	45,000
South Atlantic	Full professor	392	76,545	23,822	60,600	72,000	86,500
	Assoc professor	163	52,267	9,825	45,600	50,120	58,000
	Asst professor	191	48,121	37,693	39,549	45,000	50,800
	Instructor, adjunct	27	37,746	5,207	33,705	38,000	41,000
	Secondary teacher	21	44,165	10,673	36,558	42,823	48,365
New England	Full professor	209	87,303	40,316	69,250	80,300	97,200
	Assoc professor	98	57,762	10,928	51,200	57,419	65,354
	Asst professor	90	48,458	9,170	42,000	48,000	54,000
	Instructor, adjunct	16	41,409	6,644	35,000	40,000	45,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 4.10.2
SALARIES of PhD ACADEMIC CHEMISTS employed FULL-TIME
by RANK and GEOGRAPHIC REGION - 11 or 12 Month Contract
2000 ACS Salary Survey

		Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
Pacific	Full professor	107	115,051	43,969	83,000	106,000	136,000
	Assoc professor	35	66,501	15,369	55,000	65,000	75,000
	Asst professor	35	62,970	11,774	56,000	60,000	68,700
	Instructor, adjunct	15	64,320	31,291	40,000	57,200	65,600
	Research appt	96	59,197	23,755	40,000	57,000	72,000
	Other nonfaculty	36	64,660	25,251	48,000	59,004	73,200
Mountain	Full professor	56	111,464	30,223	90,000	106,000	125,000
	Research appt	40	52,578	26,916	30,400	42,000	65,000
	Other nonfaculty	16	57,711	21,662	43,500	49,000	74,086
West North Central	Full professor	105	107,261	34,417	82,000	104,500	140,000
	Assoc professor	26	68,567	16,800	55,500	70,000	79,026
	Asst professor	19	54,933	15,865	38,431	56,136	60,000
	Research appt	41	45,596	14,354	32,000	47,000	52,618
	Other nonfaculty	19	59,706	34,231	36,848	45,800	75,000
West South Central	Full professor	88	100,602	35,358	77,700	92,000	117,000
	Assoc professor	31	68,989	12,738	62,000	70,007	72,000
	Asst professor	30	58,492	12,148	51,000	56,000	63,200
	Research appt	31	45,646	17,662	31,500	41,200	58,000
	Other nonfaculty	18	58,558	26,664	41,000	55,000	66,000
East North Central	Full professor	162	110,872	36,113	86,000	101,567	130,000
	Assoc professor	40	76,219	25,384	61,905	72,000	78,000
	Asst professor	40	53,210	18,460	40,000	48,000	57,450
	Instructor, adjunct	22	51,152	25,108	37,500	41,000	60,000
	Research appt	94	50,584	18,880	35,720	48,000	62,000
	Other nonfaculty	56	62,057	25,256	43,000	52,900	75,000
East South Central	Full professor	63	99,260	40,939	79,752	90,858	108,000
	Assoc professor	17	68,063	12,873	60,000	65,000	73,200
	Asst professor	23	50,298	13,151	38,300	50,590	60,000
	Research appt	23	56,515	29,624	35,000	51,600	59,000
Middle Atlantic	Full professor	146	112,555	42,121	85,000	104,779	131,577
	Assoc professor	50	72,539	21,687	60,000	67,000	82,000
	Asst professor	53	59,710	23,584	43,500	53,300	68,500
	Instructor, adjunct	20	51,767	21,996	35,000	42,000	63,700
	Research appt	71	56,023	21,911	40,849	51,324	70,450
	Other nonfaculty	34	67,943	29,885	42,000	66,000	86,500
South Atlantic	Full professor	170	107,172	34,162	84,700	103,000	125,000
	Assoc professor	64	77,055	57,258	61,000	66,803	79,702
	Asst professor	44	58,271	23,896	42,000	57,000	65,000
	Instructor, adjunct	25	57,890	24,638	40,000	50,305	65,000
	Research appt	75	49,818	17,740	35,000	46,000	60,750
	Other nonfaculty	39	63,829	36,351	35,000	54,000	79,000
New England	Full professor	46	108,941	36,548	77,000	98,700	132,000
	Assoc professor	19	74,850	22,749	50,000	76,618	84,000
	Asst professor	17	60,871	13,974	41,000	65,000	71,000
	Research appt	41	61,738	20,877	40,000	63,000	78,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 5.1.1
STIPENDS of ACADEMIC POSTDOCTORAL FELLOWS
by INSTITUTIONAL CONTROL and WORK SPECIALTY
2000 ACS Salary Survey

		Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
Chemical Engineering	Total	16	31,330	7,855	24,480	30,000	31,500
Biochemistry	Total	32	29,369	5,402	26,589	28,600	33,180
	Public	28	29,225	5,632	26,000	28,600	33,180
Chemistry	Total	564	28,753	5,872	25,000	28,000	32,000
	Public	346	28,352	6,029	25,000	27,500	31,400
	Private	218	29,391	5,568	26,000	28,000	32,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 6.1.1
SALARIES of CHEMICAL ENGINEERS employed FULL-TIME in INDUSTRY
by DEGREE and YEARS SINCE BS
2000 ACS Salary Survey

			Count	Mean	Std Dev	25th %-ile	50th %-ile	75th %-ile
HIGHEST DEGREE	BS	Total	380	74,105	44,788	51,900	67,000	84,900
		2-4	60	47,405	7,798	42,000	47,000	52,360
		5-9	59	57,293	19,294	47,000	54,259	63,000
		10-14	46	66,342	16,145	55,000	66,000	75,000
		15-19	49	73,657	17,569	60,900	72,000	84,900
		20-24	65	82,423	24,309	68,000	81,000	94,400
		25-29	33	84,421	26,072	75,500	85,000	96,000
		30-34	28	102,006	101,689	67,000	78,000	102,000
		35-39	22	121,646	91,984	70,000	85,000	105,000
		40 or more	15	97,706	52,896	52,000	86,600	122,076
	MS	Total	346	86,708	46,218	65,000	80,000	96,400
		5-9	28	54,379	7,813	48,500	54,400	60,000
		10-14	34	70,388	12,699	63,000	69,900	78,000
		15-19	53	82,112	81,158	59,160	70,000	81,600
		20-24	66	87,636	17,852	75,780	85,437	99,000
		25-29	60	94,562	50,920	71,000	82,000	100,000
		30-34	49	96,268	28,436	76,000	93,840	114,000
		35-39	31	108,730	45,954	82,803	90,000	117,000
		40 or more	18	102,067	45,396	75,000	95,500	117,360
	PhD	Total	631	93,722	28,103	74,000	89,000	108,000
		5-9	46	69,931	5,069	67,000	70,000	72,000
		10-14	89	74,873	12,125	67,500	71,400	82,600
		15-19	114	87,561	18,042	75,000	85,120	95,823
		20-24	102	92,746	19,693	79,740	92,400	102,000
		25-29	91	100,362	26,388	84,000	98,488	115,000
		30-34	89	108,651	24,519	90,350	105,000	121,800
		35-39	72	110,233	43,872	91,200	104,000	122,500
		40 or more	28	109,881	39,635	82,000	110,000	130,000

Note: Categories with fewer than 15 cases have been suppressed.

Table 7.1.1
EMPLOYMENT STATUS OF ALL RESPONDENTS
by WORK SPECIALTY
2000 Survey of ACS Members

		EMPLOYMENT STATUS						
		Full-time	Part-time	Postdoc	Seeking empl	Not seeking empl	Fully retired	Total
Chemical engineering		1877	73	18	51	38	99	2156
	Row Percent	87.1%	3.4%	.8%	2.4%	1.8%	4.6%	100.0%
	Column Percent	4.4%	5.2%	2.0%	5.4%	4.6%	7.0%	4.5%
Ag/Food chemistry		1220	31	9	36	25	57	1378
	Row Percent	88.5%	2.2%	.7%	2.6%	1.8%	4.1%	100.0%
	Column Percent	2.9%	2.2%	1.0%	3.8%	3.0%	4.0%	2.9%
Analytical chemistry		7167	171	48	162	120	160	7828
	Row Percent	91.6%	2.2%	.6%	2.1%	1.5%	2.0%	100.0%
	Column Percent	16.9%	12.2%	5.4%	17.1%	14.4%	11.3%	16.4%
Biochemistry		1963	55	155	28	62	51	2314
	Row Percent	84.8%	2.4%	6.7%	1.2%	2.7%	2.2%	100.0%
	Column Percent	4.6%	3.9%	17.3%	3.0%	7.5%	3.6%	4.8%
Biotechnology		1332	38	36	32	26	21	1485
	Row Percent	89.7%	2.6%	2.4%	2.2%	1.8%	1.4%	100.0%
	Column Percent	3.1%	2.7%	4.0%	3.4%	3.1%	1.5%	3.1%
Chemical education		2480	203	7	21	57	116	2884
	Row Percent	86.0%	7.0%	.2%	.7%	2.0%	4.0%	100.0%
	Column Percent	5.9%	14.5%	.8%	2.2%	6.9%	8.2%	6.0%
Clinical chemistry		312	16	0	11	11	18	368
	Row Percent	84.8%	4.3%	.0%	3.0%	3.0%	4.9%	100.0%
	Column Percent	.7%	1.1%	.0%	1.2%	1.3%	1.3%	.8%
Environmental chemistry		2720	118	43	56	59	82	3078
	Row Percent	88.4%	3.8%	1.4%	1.8%	1.9%	2.7%	100.0%
	Column Percent	6.4%	8.4%	4.8%	5.9%	7.1%	5.8%	6.4%
General chemistry		1071	61	2	18	33	35	1220
	Row Percent	87.8%	5.0%	.2%	1.5%	2.7%	2.9%	100.0%
	Column Percent	2.5%	4.3%	.2%	1.9%	4.0%	2.5%	2.6%
Inorganic chemistry		1320	30	61	36	26	25	1498
	Row Percent	88.1%	2.0%	4.1%	2.4%	1.7%	1.7%	100.0%
	Column Percent	3.1%	2.1%	6.8%	3.8%	3.1%	1.8%	3.1%
Materials science		1828	54	52	46	30	60	2070
	Row Percent	88.3%	2.6%	2.5%	2.2%	1.4%	2.9%	100.0%
	Column Percent	4.3%	3.8%	5.8%	4.9%	3.6%	4.2%	4.3%
Medicinal-Pharmaceutical		3820	75	72	73	57	69	4166
	Row Percent	91.7%	1.8%	1.7%	1.8%	1.4%	1.7%	100.0%
	Column Percent	9.0%	5.3%	8.0%	7.7%	6.9%	4.9%	8.7%
Organic chemistry		4566	93	204	91	79	163	5196
	Row Percent	87.9%	1.8%	3.9%	1.8%	1.5%	3.1%	100.0%
	Column Percent	10.8%	6.6%	22.8%	9.6%	9.5%	11.5%	10.9%
Physical chemistry		1840	54	93	37	32	73	2129
	Row Percent	86.4%	2.5%	4.4%	1.7%	1.5%	3.4%	100.0%
	Column Percent	4.3%	3.8%	10.4%	3.9%	3.8%	5.2%	4.5%
Polymer chemistry		3308	83	57	84	54	151	3737
	Row Percent	88.5%	2.2%	1.5%	2.2%	1.4%	4.0%	100.0%
	Column Percent	7.8%	5.9%	6.4%	8.9%	6.5%	10.7%	7.8%
Other chemical science		1048	39	16	25	19	42	1189
	Row Percent	88.1%	3.3%	1.3%	2.1%	1.6%	3.5%	100.0%
	Column Percent	2.5%	2.8%	1.8%	2.6%	2.3%	3.0%	2.5%
Business Administration		1016	36	1	31	12	55	1151
	Row Percent	88.3%	3.1%	.1%	2.7%	1.0%	4.8%	100.0%
	Column Percent	2.4%	2.6%	.1%	3.3%	1.4%	3.9%	2.4%
Computer science		554	17	2	17	9	12	611
	Row Percent	90.7%	2.8%	.3%	2.8%	1.5%	2.0%	100.0%
	Column Percent	1.3%	1.2%	.2%	1.8%	1.1%	.8%	1.3%
Law		340	16	0	7	16	11	390
	Row Percent	87.2%	4.1%	.0%	1.8%	4.1%	2.8%	100.0%
	Column Percent	.8%	1.1%	.0%	.7%	1.9%	.8%	.8%
Other nonchemistry		2525	139	19	80	64	101	2928
	Row Percent	86.2%	4.7%	.6%	2.7%	2.2%	3.4%	100.0%
	Column Percent	6.0%	9.9%	2.1%	8.4%	7.7%	7.2%	6.1%
No answer		34	2	0	5	3	11	55
	Row Percent	61.8%	3.6%	.0%	9.1%	5.5%	20.0%	100.0%
	Column Percent	.1%	.1%	.0%	.5%	.4%	.8%	.1%
Total		42341	1404	895	947	832	1412	47831
	Row Percent	88.5%	2.9%	1.9%	2.0%	1.7%	3.0%	100.0%
	Column Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Table 8.1.1
EMPLOYMENT STATUS OF ALL CHEMISTS
by HIGHEST DEGREE
2000 Survey of ACS Members

			EMPLOYMENT STATUS						
			Full- time	Part- time	Postdoc	Seeking empl	Not seeking empl	Fully ret	Total
HIGHEST DEGREE	BS		8702	270	14	185	269	256	9696
		Row Percent	89.7%	2.8%	.1%	1.9%	2.8%	2.6%	100.0%
		Column Percent	22.3%	21.4%	1.6%	21.7%	35.5%	20.5%	22.1%
	MS		6789	248	10	169	169	251	7636
		Row Percent	88.9%	3.2%	.1%	2.2%	2.2%	3.3%	100.0%
		Column Percent	17.4%	19.6%	1.2%	19.9%	22.3%	20.1%	17.4%
	PhD		23053	729	839	486	308	725	26140
		Row Percent	88.2%	2.8%	3.2%	1.9%	1.2%	2.8%	100.0%
		Column Percent	59.2%	57.7%	96.7%	57.1%	40.7%	58.2%	59.5%
	Other		417	17	5	11	11	14	475
		Row Percent	87.8%	3.6%	1.1%	2.3%	2.3%	2.9%	100.0%
		Column Percent	1.1%	1.3%	.6%	1.3%	1.5%	1.1%	1.1%
Total			38961	1264	868	851	757	1246	43947
	Row Percent		88.7%	2.9%	2.0%	1.9%	1.7%	2.8%	100.0%
	Column Percent		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Table 8.1.2
EMPLOYMENT STATUS OF MEN CHEMISTS
by HIGHEST DEGREE
2000 Survey of ACS Members

			EMPLOYMENT STATUS					
			Full- time	Part- time	Postdoc	Seeking empl	Not seeking empl	Total
HIGHEST DEGREE	BS		5771	110	11	132	104	6128
		Row Percent	94.2%	1.8%	.2%	2.2%	1.7%	100.0%
		Column Percent	19.5%	16.6%	1.8%	20.7%	32.4%	19.2%
	MS		4620	88	5	117	65	4895
		Row Percent	94.4%	1.8%	.1%	2.4%	1.3%	100.0%
		Column Percent	15.6%	13.3%	.8%	18.3%	20.2%	15.3%
	PhD		18964	452	606	384	146	20552
		Row Percent	92.3%	2.2%	2.9%	1.9%	.7%	100.0%
		Column Percent	63.9%	68.2%	97.0%	60.1%	45.5%	64.4%
	Other		312	13	3	6	6	340
		Row Percent	91.8%	3.8%	.9%	1.8%	1.8%	100.0%
		Column Percent	1.1%	2.0%	.5%	.9%	1.9%	1.1%
Total			29667	663	625	639	321	31915
	Row Percent		93.0%	2.1%	2.0%	2.0%	1.0%	100.0%
	Column Percent		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Table 8.1.3
EMPLOYMENT STATUS OF WOMEN CHEMISTS
by HIGHEST DEGREE
2000 Survey of ACS Members

			EMPLOYMENT STATUS					
			Full- time	Part- time	Postdoc	Seeking empl	Not seeking empl	Total
HIGHEST DEGREE	BS		2883	160	3	50	163	3259
		Row Percent	88.5%	4.9%	.1%	1.5%	5.0%	100.0%
		Column Percent	31.8%	26.9%	1.3%	24.5%	38.0%	30.9%
	MS		2136	157	5	49	102	2449
		Row Percent	87.2%	6.4%	.2%	2.0%	4.2%	100.0%
		Column Percent	23.5%	26.4%	2.1%	24.0%	23.8%	23.2%
	PhD		3953	273	227	100	159	4712
		Row Percent	83.9%	5.8%	4.8%	2.1%	3.4%	100.0%
		Column Percent	43.6%	46.0%	95.8%	49.0%	37.1%	44.7%
	Other		101	4	2	5	5	117
		Row Percent	86.3%	3.4%	1.7%	4.3%	4.3%	100.0%
		Column Percent	1.1%	.7%	.8%	2.5%	1.2%	1.1%
Total			9073	594	237	204	429	10537
	Row Percent		86.1%	5.6%	2.2%	1.9%	4.1%	100.0%
	Column Percent		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Table 8.2.1
EMPLOYMENT STATUS OF ALL CHEMISTS
by AGE
2000 Survey of ACS Members

			EMPLOYMENT STATUS						
			Full- time	Part- time	Postdoc	Seeking empl	Not seeking empl	No answer	Total
AGE	20-24		379	9	8	3	35	0	434
		Row Percent	87.3%	2.1%	1.8%	.7%	8.1%	.0%	100.0%
		Column Percent	1.0%	.7%	.9%	.4%	4.6%	.0%	1.0%
	25-29		2206	44	160	29	76	0	2515
		Row Percent	87.7%	1.7%	6.4%	1.2%	3.0%	.0%	100.0%
		Column Percent	5.7%	3.5%	18.4%	3.4%	10.0%	.0%	5.7%
	30-34		4429	104	387	64	100	0	5084
		Row Percent	87.1%	2.0%	7.6%	1.3%	2.0%	.0%	100.0%
		Column Percent	11.4%	8.2%	44.6%	7.5%	13.2%	.0%	11.6%
	35-39		5988	143	220	97	99	0	6547
		Row Percent	91.5%	2.2%	3.4%	1.5%	1.5%	.0%	100.0%
		Column Percent	15.4%	11.3%	25.3%	11.4%	13.1%	.0%	14.9%
	40-44		6013	148	52	100	95	0	6408
		Row Percent	93.8%	2.3%	.8%	1.6%	1.5%	.0%	100.0%
		Column Percent	15.4%	11.7%	6.0%	11.8%	12.5%	.0%	14.6%
	45-49		5865	137	23	148	83	0	6256
		Row Percent	93.8%	2.2%	.4%	2.4%	1.3%	.0%	100.0%
		Column Percent	15.1%	10.8%	2.6%	17.4%	11.0%	.0%	14.2%
	50-54		5268	117	9	166	75	0	5635
		Row Percent	93.5%	2.1%	.2%	2.9%	1.3%	.0%	100.0%
		Column Percent	13.5%	9.3%	1.0%	19.5%	9.9%	.0%	12.8%
	55-59		5006	186	3	145	102	0	5442
		Row Percent	92.0%	3.4%	.1%	2.7%	1.9%	.0%	100.0%
		Column Percent	12.8%	14.7%	.3%	17.0%	13.5%	.0%	12.4%
	60-64		2939	222	6	84	64	0	3315
		Row Percent	88.7%	6.7%	.2%	2.5%	1.9%	.0%	100.0%
		Column Percent	7.5%	17.6%	.7%	9.9%	8.5%	.0%	7.5%
	65-69		807	150	0	14	26	0	997
		Row Percent	80.9%	15.0%	.0%	1.4%	2.6%	.0%	100.0%
		Column Percent	2.1%	11.9%	.0%	1.6%	3.4%	.0%	2.3%
	70 or more		60	4	0	1	2	0	67
		Row Percent	89.6%	6.0%	.0%	1.5%	3.0%	.0%	100.0%
		Column Percent	.2%	.3%	.0%	.1%	.3%	.0%	.2%
	No answer		1	0	0	0	0	1246	1247
		Row Percent	.1%	.0%	.0%	.0%	.0%	99.9%	100.0%
		Column Percent	.0%	.0%	.0%	.0%	.0%	100.0%	2.8%
Total			38961	1264	868	851	757	1246	43947
	Row Percent		88.7%	2.9%	2.0%	1.9%	1.7%	2.8%	100.0%
	Column Percent		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Table 8.3.1
EMPLOYMENT STATUS OF ALL CHEMISTS
by RACE/ETHNICITY
2000 Survey of ACS Members

			EMPLOYMENT STATUS						
			Full- time	Part- time	Postdoc	Seeking empl	Not seeking empl	No answer	Total
RACE/ETHNICITY	Hispanic		944	28	24	23	24	0	1043
		Row Percent	90.5%	2.7%	2.3%	2.2%	2.3%	.0%	100.0%
		Column Percent	2.4%	2.2%	2.8%	2.7%	3.2%	.0%	2.4%
	White		29909	1046	461	610	587	0	32613
		Row Percent	91.7%	3.2%	1.4%	1.9%	1.8%	.0%	100.0%
		Column Percent	76.8%	82.8%	53.1%	71.7%	77.5%	.0%	74.2%
	Black		632	10	13	23	14	0	692
		Row Percent	91.3%	1.4%	1.9%	3.3%	2.0%	.0%	100.0%
		Column Percent	1.6%	.8%	1.5%	2.7%	1.8%	.0%	1.6%
	American Indian		58	0	0	1	3	0	62
		Row Percent	93.5%	.0%	.0%	1.6%	4.8%	.0%	100.0%
		Column Percent	.1%	.0%	.0%	.1%	.4%	.0%	.1%
	Asian Indian		934	15	93	28	14	0	1084
		Row Percent	86.2%	1.4%	8.6%	2.6%	1.3%	.0%	100.0%
		Column Percent	2.4%	1.2%	10.7%	3.3%	1.8%	.0%	2.5%
	Chinese		1828	20	116	31	25	0	2020
		Row Percent	90.5%	1.0%	5.7%	1.5%	1.2%	.0%	100.0%
		Column Percent	4.7%	1.6%	13.4%	3.6%	3.3%	.0%	4.6%
	Japanese		268	9	19	7	4	0	307
		Row Percent	87.3%	2.9%	6.2%	2.3%	1.3%	.0%	100.0%
		Column Percent	.7%	.7%	2.2%	.8%	.5%	.0%	.7%
	Korean		145	1	21	3	4	0	174
		Row Percent	83.3%	.6%	12.1%	1.7%	2.3%	.0%	100.0%
		Column Percent	.4%	.1%	2.4%	.4%	.5%	.0%	.4%
	Vietnamese		89	1	1	3	4	0	98
		Row Percent	90.8%	1.0%	1.0%	3.1%	4.1%	.0%	100.0%
		Column Percent	.2%	.1%	.1%	.4%	.5%	.0%	.2%
	Other Asian		313	8	16	12	1	0	350
		Row Percent	89.4%	2.3%	4.6%	3.4%	.3%	.0%	100.0%
		Column Percent	.8%	.6%	1.8%	1.4%	.1%	.0%	.8%
	Native Hawaian or Pac Islander		47	5	2	1	1	0	56
		Row Percent	83.9%	8.9%	3.6%	1.8%	1.8%	.0%	100.0%
		Column Percent	.1%	.4%	.2%	.1%	.1%	.0%	.1%
	Other race		343	10	3	18	11	0	385
		Row Percent	89.1%	2.6%	.8%	4.7%	2.9%	.0%	100.0%
		Column Percent	.9%	.8%	.3%	2.1%	1.5%	.0%	.9%
	No answer		3451	111	99	91	65	1246	5063
		Row Percent	68.2%	2.2%	2.0%	1.8%	1.3%	24.6%	100.0%
		Column Percent	8.9%	8.8%	11.4%	10.7%	8.6%	100.0%	11.5%
Total			38961	1264	868	851	757	1246	43947
	Row Percent		88.7%	2.9%	2.0%	1.9%	1.7%	2.8%	100.0%
	Column Percent		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Table 8.4.1
EMPLOYMENT STATUS OF ALL CHEMISTS
by CITIZENSHIP
2000 Survey of ACS Members

			EMPLOYMENT STATUS						
			Full- time	Part- time	Postdoc	Seeking empl	Not seeking empl	No answer	Total
CITIZENSHIP	Native		31115	1100	348	646	628	0	33837
		Row Percent	92.0%	3.3%	1.0%	1.9%	1.9%	.0%	100.0%
		Column Percent	79.9%	87.0%	40.1%	75.9%	83.0%	.0%	77.0%
	Naturalized		4024	111	18	110	65	0	4328
		Row Percent	93.0%	2.6%	.4%	2.5%	1.5%	.0%	100.0%
		Column Percent	10.3%	8.8%	2.1%	12.9%	8.6%	.0%	9.8%
	Permanent resident		2675	39	97	59	34	0	2904
		Row Percent	92.1%	1.3%	3.3%	2.0%	1.2%	.0%	100.0%
		Column Percent	6.9%	3.1%	11.2%	6.9%	4.5%	.0%	6.6%
	Other visa		964	7	398	31	24	0	1424
		Row Percent	67.7%	.5%	27.9%	2.2%	1.7%	.0%	100.0%
		Column Percent	2.5%	.6%	45.9%	3.6%	3.2%	.0%	3.2%
	No answer		183	7	7	5	6	1246	1454
		Row Percent	12.6%	.5%	.5%	.3%	.4%	85.7%	100.0%
		Column Percent	.5%	.6%	.8%	.6%	.8%	100.0%	3.3%
Total			38961	1264	868	851	757	1246	43947
	Row Percent		88.7%	2.9%	2.0%	1.9%	1.7%	2.8%	100.0%
	Column Percent		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Table 8.5.1
EMPLOYMENT STATUS OF ALL CHEMISTS
by EMPLOYER TYPE
2000 Survey of ACS Members

			EMPLOYMENT STATUS						
			Full- time	Part- time	Postdoc	Seeking empl	Not seeking empl	No answer	Total
EMPLOYER TYPE	Industry		24721	428	55	585	111	0	25900
		Row Percent	95.4%	1.7%	.2%	2.3%	.4%	.0%	100.0%
		Column Percent	63.5%	33.9%	6.3%	68.7%	14.7%	.0%	58.9%
	Government		2885	53	107	26	4	0	3075
		Row Percent	93.8%	1.7%	3.5%	.8%	.1%	.0%	100.0%
		Column Percent	7.4%	4.2%	12.3%	3.1%	.5%	.0%	7.0%
	Other Nonacademic		1544	282	18	76	26	0	1946
		Row Percent	79.3%	14.5%	.9%	3.9%	1.3%	.0%	100.0%
		Column Percent	4.0%	22.3%	2.1%	8.9%	3.4%	.0%	4.4%
	College or University		8708	425	653	130	47	0	9963
		Row Percent	87.4%	4.3%	6.6%	1.3%	.5%	.0%	100.0%
		Column Percent	22.4%	33.6%	75.2%	15.3%	6.2%	.0%	22.7%
	Other Academic		661	38	2	4	5	0	710
		Row Percent	93.1%	5.4%	.3%	.6%	.7%	.0%	100.0%
		Column Percent	1.7%	3.0%	.2%	.5%	.7%	.0%	1.6%
	No answer		442	38	33	30	564	1246	2353
		Row Percent	18.8%	1.6%	1.4%	1.3%	24.0%	53.0%	100.0%
		Column Percent	1.1%	3.0%	3.8%	3.5%	74.5%	100.0%	5.4%
Total			38961	1264	868	851	757	1246	43947
	Row Percent		88.7%	2.9%	2.0%	1.9%	1.7%	2.8%	100.0%
	Column Percent		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Table 8.5.2
EMPLOYMENT STATUS OF NON-ACADEMIC CHEMISTS
by TYPE OF INDUSTRY
2000 Survey of ACS Members

			EMPLOYMENT STATUS						Total
			Full- time	Part- time	Postdoc	Seeking empl	Not seeking empl	No answer	
NONACADEMIC EMPLOYER	Analytical serv lab		977	29	2	34	2	1	1045
		Row Percent	93.5%	2.8%	.2%	3.3%	.2%	.1%	100.0%
		Column Percent	3.5%	6.0%	1.2%	5.6%	1.7%	7.7%	3.6%
	Contract res firm		958	51	9	24	5	0	1047
		Row Percent	91.5%	4.9%	.9%	2.3%	.5%	.0%	100.0%
		Column Percent	3.5%	10.6%	5.6%	3.9%	4.3%	.0%	3.6%
	Utility		222	1	1	4	0	0	228
		Row Percent	97.4%	.4%	.4%	1.8%	.0%	.0%	100.0%
		Column Percent	.8%	.2%	.6%	.7%	.0%	.0%	.8%
	Other nonmanuf		1255	73	2	35	15	0	1380
		Row Percent	90.9%	5.3%	.1%	2.5%	1.1%	.0%	100.0%
		Column Percent	4.5%	15.2%	1.2%	5.7%	13.0%	.0%	4.8%
	Aerospace		298	5	0	16	2	0	321
		Row Percent	92.8%	1.6%	.0%	5.0%	.6%	.0%	100.0%
		Column Percent	1.1%	1.0%	.0%	2.6%	1.7%	.0%	1.1%
	Ag chemicals		766	12	1	21	2	0	802
		Row Percent	95.5%	1.5%	.1%	2.6%	.2%	.0%	100.0%
		Column Percent	2.8%	2.5%	.6%	3.4%	1.7%	.0%	2.8%
	Basic chemicals		915	9	2	20	2	0	948
		Row Percent	96.5%	.9%	.2%	2.1%	.2%	.0%	100.0%
		Column Percent	3.3%	1.9%	1.2%	3.3%	1.7%	.0%	3.3%
	Biochemical prods		438	5	1	8	1	0	453
		Row Percent	96.7%	1.1%	.2%	1.8%	.2%	.0%	100.0%
		Column Percent	1.6%	1.0%	.6%	1.3%	.9%	.0%	1.6%
	Building materials		148	1	0	0	0	0	149
		Row Percent	99.3%	.7%	.0%	.0%	.0%	.0%	100.0%
		Column Percent	.5%	.2%	.0%	.0%	.0%	.0%	.5%
	Coatings, inks, paints		1146	21	0	37	4	1	1209
		Row Percent	94.8%	1.7%	.0%	3.1%	.3%	.1%	100.0%
		Column Percent	4.2%	4.4%	.0%	6.1%	3.5%	7.7%	4.2%
	Electronics/semi conductors		651	10	0	18	6	0	685
		Row Percent	95.0%	1.5%	.0%	2.6%	.9%	.0%	100.0%
		Column Percent	2.4%	2.1%	.0%	2.9%	5.2%	.0%	2.4%
	Food		630	12	1	12	3	0	658
		Row Percent	95.7%	1.8%	.2%	1.8%	.5%	.0%	100.0%
		Column Percent	2.3%	2.5%	.6%	2.0%	2.6%	.0%	2.3%
	Instruments		592	8	0	14	4	1	619
		Row Percent	95.6%	1.3%	.0%	2.3%	.6%	.2%	100.0%
		Column Percent	2.1%	1.7%	.0%	2.3%	3.5%	7.7%	2.1%
	Medical devices		823	13	2	36	5	0	879
		Row Percent	93.6%	1.5%	.2%	4.1%	.6%	.0%	100.0%
		Column Percent	3.0%	2.7%	1.2%	5.9%	4.3%	.0%	3.0%
	Metals		352	5	0	12	2	0	371
		Row Percent	94.9%	1.3%	.0%	3.2%	.5%	.0%	100.0%
		Column Percent	1.3%	1.0%	.0%	2.0%	1.7%	.0%	1.3%
	Paper		230	2	1	7	2	0	242
		Row Percent	95.0%	.8%	.4%	2.9%	.8%	.0%	100.0%
		Column Percent	.8%	.4%	.6%	1.1%	1.7%	.0%	.8%
	Personal Care		312	8	0	12	1	0	333
		Row Percent	93.7%	2.4%	.0%	3.6%	.3%	.0%	100.0%
		Column Percent	1.1%	1.7%	.0%	2.0%	.9%	.0%	1.1%
	Petroleum		678	7	2	26	5	0	718
		Row Percent	94.4%	1.0%	.3%	3.6%	.7%	.0%	100.0%
		Column Percent	2.5%	1.5%	1.2%	4.3%	4.3%	.0%	2.5%

Table 8.5.2
EMPLOYMENT STATUS OF NON-ACADEMIC CHEMISTS
by TYPE OF INDUSTRY
2000 Survey of ACS Members (cont.)

			EMPLOYMENT STATUS						Total
			Full- time	Part- time	Postdoc	Seeking empl	Not seeking empl	No answer	
NONACADEMIC EMPLOYER	Pharmaceuticals		6676	60	25	83	30	0	6874
		Row Percent	97.1%	.9%	.4%	1.2%	.4%	.0%	100.0%
		Column Percent	24.2%	12.5%	15.4%	13.6%	26.1%	.0%	23.7%
	Plastics		1057	20	2	26	5	0	1110
		Row Percent	95.2%	1.8%	.2%	2.3%	.5%	.0%	100.0%
		Column Percent	3.8%	4.2%	1.2%	4.3%	4.3%	.0%	3.8%
	Rubber		369	5	0	7	1	1	383
		Row Percent	96.3%	1.3%	.0%	1.8%	.3%	.3%	100.0%
		Column Percent	1.3%	1.0%	.0%	1.1%	.9%	7.7%	1.3%
	Soaps		399	8	1	6	1	2	417
		Row Percent	95.7%	1.9%	.2%	1.4%	.2%	.5%	100.0%
		Column Percent	1.4%	1.7%	.6%	1.0%	.9%	15.4%	1.4%
	Specialty chems		2229	26	2	62	5	0	2324
		Row Percent	95.9%	1.1%	.1%	2.7%	.2%	.0%	100.0%
		Column Percent	8.1%	5.4%	1.2%	10.1%	4.3%	.0%	8.0%
	Textiles		159	6	0	8	0	0	173
		Row Percent	91.9%	3.5%	.0%	4.6%	.0%	.0%	100.0%
		Column Percent	.6%	1.2%	.0%	1.3%	.0%	.0%	.6%
	Other manufacturing		2441	31	1	57	8	2	2540
		Row Percent	96.1%	1.2%	.0%	2.2%	.3%	.1%	100.0%
		Column Percent	8.8%	6.4%	.6%	9.3%	7.0%	15.4%	8.8%
	Federal Civilian		1825	38	92	10	2	4	1971
		Row Percent	92.6%	1.9%	4.7%	.5%	.1%	.2%	100.0%
		Column Percent	6.6%	7.9%	56.8%	1.6%	1.7%	30.8%	6.8%
	Military		88	0	3	3	0	0	94
		Row Percent	93.6%	.0%	3.2%	3.2%	.0%	.0%	100.0%
		Column Percent	.3%	.0%	1.9%	.5%	.0%	.0%	.3%
	State, local		788	11	0	9	1	1	810
		Row Percent	97.3%	1.4%	.0%	1.1%	.1%	.1%	100.0%
		Column Percent	2.9%	2.3%	.0%	1.5%	.9%	7.7%	2.8%
	Other govmt'		184	4	12	4	1	0	205
		Row Percent	89.8%	2.0%	5.9%	2.0%	.5%	.0%	100.0%
		Column Percent	.7%	.8%	7.4%	.7%	.9%	.0%	.7%
Total			27606	481	162	611	115	13	28988
	Row Percent		95.2%	1.7%	.6%	2.1%	.4%	.0%	100.0%
	Column Percent		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Table 8.5.3
EMPLOYMENT STATUS OF ACADEMIC CHEMISTS
by INSTITUTIONAL TYPE
2000 Survey of ACS Members

			EMPLOYMENT STATUS						
			Full- time	Part- time	Postdoc	Seeking empl	Not seeking empl	No answer	Total
INSTITUTIONAL TYPE	AA-granting		710	88	4	11	3	2	818
		Row Percent	86.8%	10.8%	.5%	1.3%	.4%	.2%	100.0%
		Column Percent	7.6%	19.0%	.6%	8.2%	5.8%	25.0%	7.7%
	BS-granting		2224	99	3	16	11	1	2354
		Row Percent	94.5%	4.2%	.1%	.7%	.5%	.0%	100.0%
		Column Percent	23.7%	21.4%	.5%	11.9%	21.2%	12.5%	22.0%
	MS-granting		962	52	3	12	4	2	1035
		Row Percent	92.9%	5.0%	.3%	1.2%	.4%	.2%	100.0%
		Column Percent	10.3%	11.2%	.5%	9.0%	7.7%	25.0%	9.7%
	PhD-granting		3960	164	560	76	23	1	4784
		Row Percent	82.8%	3.4%	11.7%	1.6%	.5%	.0%	100.0%
		Column Percent	42.3%	35.4%	85.5%	56.7%	44.2%	12.5%	44.8%
	Medical school		852	22	83	15	6	0	978
		Row Percent	87.1%	2.2%	8.5%	1.5%	.6%	.0%	100.0%
		Column Percent	9.1%	4.8%	12.7%	11.2%	11.5%	.0%	9.2%
	High school		661	38	2	4	5	2	712
		Row Percent	92.8%	5.3%	.3%	.6%	.7%	.3%	100.0%
		Column Percent	7.1%	8.2%	.3%	3.0%	9.6%	25.0%	6.7%
Total			9369	463	655	134	52	8	10681
	Row Percent		87.7%	4.3%	6.1%	1.3%	.5%	.1%	100.0%
	Column Percent		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Table 8.6.1
EMPLOYMENT STATUS OF NON-ACADEMIC CHEMISTS
by WORK FUNCTION
2000 Survey of ACS Members

			EMPLOYMENT STATUS						
			Full- time	Part- time	Postdoc	Seeking empl	Not seeking empl	No answer	Total
WORK FUNCTION	Analytical services		4233	87	2	110	15	0	4447
		Row Percent	95.2%	2.0%	.0%	2.5%	.3%	.0%	100.0%
		Column Percent	14.5%	11.4%	1.1%	16.0%	10.6%	.0%	14.4%
	Chemical info		362	25	0	10	3	0	400
		Row Percent	90.5%	6.3%	.0%	2.5%	.8%	.0%	100.0%
		Column Percent	1.2%	3.3%	.0%	1.5%	2.1%	.0%	1.3%
	Computers		333	12	2	7	1	0	355
		Row Percent	93.8%	3.4%	.6%	2.0%	.3%	.0%	100.0%
		Column Percent	1.1%	1.6%	1.1%	1.0%	.7%	.0%	1.1%
	Consulting		725	204	1	38	11	0	979
		Row Percent	74.1%	20.8%	.1%	3.9%	1.1%	.0%	100.0%
		Column Percent	2.5%	26.7%	.6%	5.5%	7.8%	.0%	3.2%
	Forensics		279	4	0	1	0	0	284
		Row Percent	98.2%	1.4%	.0%	.4%	.0%	.0%	100.0%
		Column Percent	1.0%	.5%	.0%	.1%	.0%	.0%	.9%
	General mgmt		1616	23	0	32	4	0	1675
		Row Percent	96.5%	1.4%	.0%	1.9%	.2%	.0%	100.0%
		Column Percent	5.5%	3.0%	.0%	4.7%	2.8%	.0%	5.4%
	Health & Safety		947	28	0	33	8	0	1016
		Row Percent	93.2%	2.8%	.0%	3.2%	.8%	.0%	100.0%
		Column Percent	3.2%	3.7%	.0%	4.8%	5.7%	.0%	3.3%
	Marketing,sales		1393	31	0	36	5	0	1465
		Row Percent	95.1%	2.1%	.0%	2.5%	.3%	.0%	100.0%
		Column Percent	4.8%	4.1%	.0%	5.2%	3.5%	.0%	4.7%
	Patents		237	16	0	5	3	0	261
		Row Percent	90.8%	6.1%	.0%	1.9%	1.1%	.0%	100.0%
		Column Percent	.8%	2.1%	.0%	.7%	2.1%	.0%	.8%
	Production, QC		2249	25	2	68	12	0	2356
		Row Percent	95.5%	1.1%	.1%	2.9%	.5%	.0%	100.0%
		Column Percent	7.7%	3.3%	1.1%	9.9%	8.5%	.0%	7.6%
	Applied Research		9900	164	72	199	37	0	10372
		Row Percent	95.4%	1.6%	.7%	1.9%	.4%	.0%	100.0%
		Column Percent	34.0%	21.5%	40.0%	29.0%	26.2%	.0%	33.5%
	Basic Research		2193	26	98	34	16	0	2367
		Row Percent	92.6%	1.1%	4.1%	1.4%	.7%	.0%	100.0%
		Column Percent	7.5%	3.4%	54.4%	4.9%	11.3%	.0%	7.7%
	R&D mgmt		3235	24	0	67	5	0	3331
		Row Percent	97.1%	.7%	.0%	2.0%	.2%	.0%	100.0%
		Column Percent	11.1%	3.1%	.0%	9.8%	3.5%	.0%	10.8%
	Training		114	17	1	1	1	0	134
		Row Percent	85.1%	12.7%	.7%	.7%	.7%	.0%	100.0%
		Column Percent	.4%	2.2%	.6%	.1%	.7%	.0%	.4%
	Other function		1176	67	0	37	11	0	1291
		Row Percent	91.1%	5.2%	.0%	2.9%	.9%	.0%	100.0%
		Column Percent	4.0%	8.8%	.0%	5.4%	7.8%	.0%	4.2%
	No answer		158	10	2	9	9	17	205
		Row Percent	77.1%	4.9%	1.0%	4.4%	4.4%	8.3%	100.0%
		Column Percent	.5%	1.3%	1.1%	1.3%	6.4%	100.0%	.7%
Total			29150	763	180	687	141	17	30938
	Row Percent		94.2%	2.5%	.6%	2.2%	.5%	.1%	100.0%
	Column Percent		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Table 8.7.1
EMPLOYMENT STATUS OF ALL CHEMISTS
by SPECIALTY
2000 Survey of ACS Members

			EMPLOYMENT STATUS						
			Full- time	Part- time	Postdoc	Seeking empl	Not seeking empl	No answer	Total
WORK SPECLTY	Ag/Food chemistry		1220	31	9	36	25	57	1378
		Row Percent	88.5%	2.2%	.7%	2.6%	1.8%	4.1%	100.0%
		Column Percent	3.1%	2.5%	1.0%	4.2%	3.3%	4.6%	3.1%
	Analytical chemistry		7167	171	48	162	120	160	7828
		Row Percent	91.6%	2.2%	.6%	2.1%	1.5%	2.0%	100.0%
		Column Percent	18.4%	13.5%	5.5%	19.0%	15.9%	12.8%	17.8%
	Biochemistry		1963	55	155	28	62	51	2314
		Row Percent	84.8%	2.4%	6.7%	1.2%	2.7%	2.2%	100.0%
		Column Percent	5.0%	4.4%	17.9%	3.3%	8.2%	4.1%	5.3%
	Biotechnology		1332	38	36	32	26	21	1485
		Row Percent	89.7%	2.6%	2.4%	2.2%	1.8%	1.4%	100.0%
		Column Percent	3.4%	3.0%	4.1%	3.8%	3.4%	1.7%	3.4%
	Chemical education		2480	203	7	21	57	116	2884
		Row Percent	86.0%	7.0%	.2%	.7%	2.0%	4.0%	100.0%
		Column Percent	6.4%	16.1%	.8%	2.5%	7.5%	9.3%	6.6%
	Clinical chemistry		312	16	0	11	11	18	368
		Row Percent	84.8%	4.3%	.0%	3.0%	3.0%	4.9%	100.0%
		Column Percent	.8%	1.3%	.0%	1.3%	1.5%	1.4%	.8%
	Environmental chemistry		2720	118	43	56	59	82	3078
		Row Percent	88.4%	3.8%	1.4%	1.8%	1.9%	2.7%	100.0%
		Column Percent	7.0%	9.3%	5.0%	6.6%	7.8%	6.6%	7.0%
	General chemistry		1071	61	2	18	33	35	1220
		Row Percent	87.8%	5.0%	.2%	1.5%	2.7%	2.9%	100.0%
		Column Percent	2.7%	4.8%	.2%	2.1%	4.4%	2.8%	2.8%
	Inorganic chemistry		1320	30	61	36	26	25	1498
		Row Percent	88.1%	2.0%	4.1%	2.4%	1.7%	1.7%	100.0%
		Column Percent	3.4%	2.4%	7.0%	4.2%	3.4%	2.0%	3.4%
	Materials science		1828	54	52	46	30	60	2070
		Row Percent	88.3%	2.6%	2.5%	2.2%	1.4%	2.9%	100.0%
		Column Percent	4.7%	4.3%	6.0%	5.4%	4.0%	4.8%	4.7%
	Medicinal-Pharmaceutical		3820	75	72	73	57	69	4166
		Row Percent	91.7%	1.8%	1.7%	1.8%	1.4%	1.7%	100.0%
		Column Percent	9.8%	5.9%	8.3%	8.6%	7.5%	5.5%	9.5%
	Organic chemistry		4566	93	204	91	79	163	5196
		Row Percent	87.9%	1.8%	3.9%	1.8%	1.5%	3.1%	100.0%
		Column Percent	11.7%	7.4%	23.5%	10.7%	10.4%	13.1%	11.8%
	Physical chemistry		1840	54	93	37	32	73	2129
		Row Percent	86.4%	2.5%	4.4%	1.7%	1.5%	3.4%	100.0%
		Column Percent	4.7%	4.3%	10.7%	4.3%	4.2%	5.9%	4.8%
	Polymer chemistry		3308	83	57	84	54	151	3737
		Row Percent	88.5%	2.2%	1.5%	2.2%	1.4%	4.0%	100.0%
		Column Percent	8.5%	6.6%	6.6%	9.9%	7.1%	12.1%	8.5%
	Other chemical science		1048	39	16	25	19	42	1189
		Row Percent	88.1%	3.3%	1.3%	2.1%	1.6%	3.5%	100.0%
		Column Percent	2.7%	3.1%	1.8%	2.9%	2.5%	3.4%	2.7%
	Business Administration		692	20	1	18	7	34	772
		Row Percent	89.6%	2.6%	.1%	2.3%	.9%	4.4%	100.0%
		Column Percent	1.8%	1.6%	.1%	2.1%	.9%	2.7%	1.8%
	Computer science		448	14	2	14	6	11	495
		Row Percent	90.5%	2.8%	.4%	2.8%	1.2%	2.2%	100.0%
		Column Percent	1.1%	1.1%	.2%	1.6%	.8%	.9%	1.1%
	Law		218	8	0	5	12	8	251
		Row Percent	86.9%	3.2%	.0%	2.0%	4.8%	3.2%	100.0%
		Column Percent	.6%	.6%	.0%	.6%	1.6%	.6%	.6%
	Other nonchemistry		1608	101	10	58	42	70	1889
		Row Percent	85.1%	5.3%	.5%	3.1%	2.2%	3.7%	100.0%
		Column Percent	4.1%	8.0%	1.2%	6.8%	5.5%	5.6%	4.3%
Total			38961	1264	868	851	757	1246	43947
	Row Percent		88.7%	2.9%	2.0%	1.9%	1.7%	2.8%	100.0%
	Column Percent		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Table 8.8.1
EMPLOYMENT STATUS OF ALL CHEMISTS
by GEOGRAPHIC REGION
2000 Survey of ACS Members

			EMPLOYMENT STATUS						
			Full- time	Part- time	Postdoc	Seeking empl	Not seeking empl	No answer	Total
GEOGRAPHIC REGION	Pacific		4848	217	159	125	26	0	5375
		Row Percent	90.2%	4.0%	3.0%	2.3%	.5%	.0%	100.0%
		Column Percent	12.4%	17.2%	18.3%	14.7%	3.4%	.0%	12.2%
	Mountain		1854	74	71	42	8	0	2049
		Row Percent	90.5%	3.6%	3.5%	2.0%	.4%	.0%	100.0%
		Column Percent	4.8%	5.9%	8.2%	4.9%	1.1%	.0%	4.7%
	West North Central		2579	67	50	44	8	0	2748
		Row Percent	93.9%	2.4%	1.8%	1.6%	.3%	.0%	100.0%
		Column Percent	6.6%	5.3%	5.8%	5.2%	1.1%	.0%	6.3%
	West South Central		2689	97	53	48	12	0	2899
		Row Percent	92.8%	3.3%	1.8%	1.7%	.4%	.0%	100.0%
		Column Percent	6.9%	7.7%	6.1%	5.6%	1.6%	.0%	6.6%
	East North Central		7223	207	115	135	28	0	7708
		Row Percent	93.7%	2.7%	1.5%	1.8%	.4%	.0%	100.0%
		Column Percent	18.5%	16.4%	13.2%	15.9%	3.7%	.0%	17.5%
	East South Central		1333	34	27	32	5	0	1431
		Row Percent	93.2%	2.4%	1.9%	2.2%	.3%	.0%	100.0%
		Column Percent	3.4%	2.7%	3.1%	3.8%	.7%	.0%	3.3%
	Middle Atlantic		8019	236	133	188	45	0	8621
		Row Percent	93.0%	2.7%	1.5%	2.2%	.5%	.0%	100.0%
		Column Percent	20.6%	18.7%	15.3%	22.1%	5.9%	.0%	19.6%
	South Atlantic		6428	188	169	105	31	0	6921
		Row Percent	92.9%	2.7%	2.4%	1.5%	.4%	.0%	100.0%
		Column Percent	16.5%	14.9%	19.5%	12.3%	4.1%	.0%	15.7%
	New England		3231	109	77	77	16	0	3510
		Row Percent	92.1%	3.1%	2.2%	2.2%	.5%	.0%	100.0%
		Column Percent	8.3%	8.6%	8.9%	9.0%	2.1%	.0%	8.0%
	No answer		757	35	14	55	578	1246	2685
		Row Percent	28.2%	1.3%	.5%	2.0%	21.5%	46.4%	100.0%
		Column Percent	1.9%	2.8%	1.6%	6.5%	76.4%	100.0%	6.1%
Total			38961	1264	868	851	757	1246	43947
	Row Percent		88.7%	2.9%	2.0%	1.9%	1.7%	2.8%	100.0%
	Column Percent		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Table 9.1.1
LENGTH OF UNEMPLOYMENT OF CHEMISTS UNEMPLOYED on MARCH 1, 2000
by HIGHEST DEGREE
2000 Survey of ACS Members

			LENGTH OF UNEMPLOYMENT						
			Less than 1 mo	1-3 mos	4-6 mos	7-12 mos	More than 1 yr	No answer	Total
HIGHEST DEGREE	BS		21	48	27	34	53	2	185
		Row Percent	11.4%	25.9%	14.6%	18.4%	28.6%	1.1%	100.0%
		Column Percent	28.4%	23.2%	16.8%	21.8%	21.5%	33.3%	21.7%
	MS		19	36	32	29	52	1	169
		Row Percent	11.2%	21.3%	18.9%	17.2%	30.8%	.6%	100.0%
		Column Percent	25.7%	17.4%	19.9%	18.6%	21.1%	16.7%	19.9%
	PhD		34	120	97	93	139	3	486
		Row Percent	7.0%	24.7%	20.0%	19.1%	28.6%	.6%	100.0%
		Column Percent	45.9%	58.0%	60.2%	59.6%	56.3%	50.0%	57.1%
	Other		0	3	5	0	3	0	11
		Row Percent	.0%	27.3%	45.5%	.0%	27.3%	.0%	100.0%
		Column Percent	.0%	1.4%	3.1%	.0%	1.2%	.0%	1.3%
Total			74	207	161	156	247	6	851
	Row Percent		8.7%	24.3%	18.9%	18.3%	29.0%	.7%	100.0%
	Column Percent		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Table 9.2.1
LENGTH OF UNEMPLOYMENT OF CHEMISTS UNEMPLOYED on MARCH 1, 2000
by AGE
2000 Survey of ACS Members

			LENGTH OF UNEMPLOYMENT						
			Less than 1 mo	1-3 mos	4-6 mos	7-12 mos	More than 1 yr	No answer	Total
AGE	20-24		1	1	0	0	1	0	3
		Row Percent	33.3%	33.3%	.0%	.0%	33.3%	.0%	100.0%
		Column Percent	1.4%	.5%	.0%	.0%	.4%	.0%	.4%
	25-29		8	10	4	3	4	0	29
		Row Percent	27.6%	34.5%	13.8%	10.3%	13.8%	.0%	100.0%
		Column Percent	10.8%	4.8%	2.5%	1.9%	1.6%	.0%	3.4%
	30-34		4	20	10	19	11	0	64
		Row Percent	6.3%	31.3%	15.6%	29.7%	17.2%	.0%	100.0%
		Column Percent	5.4%	9.7%	6.2%	12.2%	4.5%	.0%	7.5%
	35-39		7	18	24	18	30	0	97
		Row Percent	7.2%	18.6%	24.7%	18.6%	30.9%	.0%	100.0%
		Column Percent	9.5%	8.7%	14.9%	11.5%	12.1%	.0%	11.4%
	40-44		9	32	17	19	23	0	100
		Row Percent	9.0%	32.0%	17.0%	19.0%	23.0%	.0%	100.0%
		Column Percent	12.2%	15.5%	10.6%	12.2%	9.3%	.0%	11.8%
	45-49		14	43	26	24	39	2	148
		Row Percent	9.5%	29.1%	17.6%	16.2%	26.4%	1.4%	100.0%
		Column Percent	18.9%	20.8%	16.1%	15.4%	15.8%	33.3%	17.4%
	40-54		14	38	31	32	49	2	166
		Row Percent	8.4%	22.9%	18.7%	19.3%	29.5%	1.2%	100.0%
		Column Percent	18.9%	18.4%	19.3%	20.5%	19.8%	33.3%	19.5%
	55-59		10	31	30	24	50	0	145
		Row Percent	6.9%	21.4%	20.7%	16.6%	34.5%	.0%	100.0%
		Column Percent	13.5%	15.0%	18.6%	15.4%	20.2%	.0%	17.0%
	60-64		5	9	18	16	34	2	84
		Row Percent	6.0%	10.7%	21.4%	19.0%	40.5%	2.4%	100.0%
		Column Percent	6.8%	4.3%	11.2%	10.3%	13.8%	33.3%	9.9%
	65-69		2	5	1	1	5	0	14
		Row Percent	14.3%	35.7%	7.1%	7.1%	35.7%	.0%	100.0%
		Column Percent	2.7%	2.4%	.6%	.6%	2.0%	.0%	1.6%
	70 or more		0	0	0	0	1	0	1
		Row Percent	.0%	.0%	.0%	.0%	100.0%	.0%	100.0%
		Column Percent	.0%	.0%	.0%	.0%	.4%	.0%	.1%
Total			74	207	161	156	247	6	851
	Row Percent		8.7%	24.3%	18.9%	18.3%	29.0%	.7%	100.0%
	Column Percent		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Table 10.1.1
ALL RESPONDENTS
by SEX and HIGHEST DEGREE
2000 Survey of ACS Members

			HIGHEST DEGREE				
			BA/BS	MS	PHD	Other	Total
SEX	Men		6735	5838	21970	431	34974
		Row Percent	19.3%	16.7%	62.8%	1.2%	100.0%
		Column Percent	64.1%	65.5%	79.0%	71.2%	73.1%
	Women		3440	2727	4919	154	11240
		Row Percent	30.6%	24.3%	43.8%	1.4%	100.0%
		Column Percent	32.7%	30.6%	17.7%	25.5%	23.5%
	No answer		334	343	920	20	1617
		Row Percent	20.7%	21.2%	56.9%	1.2%	100.0%
		Column Percent	3.2%	3.9%	3.3%	3.3%	3.4%
Total			10509	8908	27809	605	47831
	Row Percent		22.0%	18.6%	58.1%	1.3%	100.0%
	Column Percent		100.0%	100.0%	100.0%	100.0%	100.0%

Table 10.2.1
ALL RESPONDENTS
by AGE and HIGHEST DEGREE
2000 Survey of ACS Members

			HIGHEST DEGREE				
			BA/BS	MS	PHD	Other	Total
AGE	20-29		1971	604	594	25	3194
		Row Percent	61.7%	18.9%	18.6%	.8%	100.0%
		Column Percent	18.8%	6.8%	2.1%	4.1%	6.7%
	30-39		2774	2099	7489	113	12475
		Row Percent	22.2%	16.8%	60.0%	.9%	100.0%
		Column Percent	26.4%	23.6%	26.9%	18.7%	26.1%
	40-49		2999	2716	7927	196	13838
		Row Percent	21.7%	19.6%	57.3%	1.4%	100.0%
		Column Percent	28.5%	30.5%	28.5%	32.4%	28.9%
	50-59		1807	2397	7693	176	12073
		Row Percent	15.0%	19.9%	63.7%	1.5%	100.0%
		Column Percent	17.2%	26.9%	27.7%	29.1%	25.2%
	60-69		603	688	3096	68	4455
		Row Percent	13.5%	15.4%	69.5%	1.5%	100.0%
		Column Percent	5.7%	7.7%	11.1%	11.2%	9.3%
	70 years		18	18	54	3	93
		Row Percent	19.4%	19.4%	58.1%	3.2%	100.0%
		Column Percent	.2%	.2%	.2%	.5%	.2%
	No answer		337	386	956	24	1703
		Row Percent	19.8%	22.7%	56.1%	1.4%	100.0%
		Column Percent	3.2%	4.3%	3.4%	4.0%	3.6%
Total			10509	8908	27809	605	47831
	Row Percent		22.0%	18.6%	58.1%	1.3%	100.0%
	Column Percent		100.0%	100.0%	100.0%	100.0%	100.0%

Table 10.2.2
MEN RESPONDENTS
by AGE and HIGHEST DEGREE
2000 Survey of ACS Members

			HIGHEST DEGREE				
			BA/BS	MS	PHD	Other	Total
AGE	20-29		964	306	368	17	1655
		Row Percent	58.2%	18.5%	22.2%	1.0%	100.0%
		Column Percent	14.3%	5.2%	1.7%	3.9%	4.7%
	30-39		1662	1226	5404	71	8363
		Row Percent	19.9%	14.7%	64.6%	.8%	100.0%
		Column Percent	24.7%	21.0%	24.6%	16.5%	23.9%
	40-49		2097	1907	6446	137	10587
		Row Percent	19.8%	18.0%	60.9%	1.3%	100.0%
		Column Percent	31.1%	32.7%	29.3%	31.8%	30.3%
	50-59		1450	1801	6796	145	10192
		Row Percent	14.2%	17.7%	66.7%	1.4%	100.0%
		Column Percent	21.5%	30.8%	30.9%	33.6%	29.1%
	60-69		528	550	2823	54	3955
		Row Percent	13.4%	13.9%	71.4%	1.4%	100.0%
		Column Percent	7.8%	9.4%	12.8%	12.5%	11.3%
	70 years		15	15	51	3	84
		Row Percent	17.9%	17.9%	60.7%	3.6%	100.0%
		Column Percent	.2%	.3%	.2%	.7%	.2%
	No answer		19	33	82	4	138
		Row Percent	13.8%	23.9%	59.4%	2.9%	100.0%
		Column Percent	.3%	.6%	.4%	.9%	.4%
Total			6735	5838	21970	431	34974
	Row Percent		19.3%	16.7%	62.8%	1.2%	100.0%
	Column Percent		100.0%	100.0%	100.0%	100.0%	100.0%

Table 10.2.3
WOMEN RESPONDENTS
by AGE and HIGHEST DEGREE
2000 Survey of ACS Members

			HIGHEST DEGREE				
			BA/BS	MS	PHD	Other	Total
AGE	20-29		1006	296	223	8	1533
		Row Percent	65.6%	19.3%	14.5%	.5%	100.0%
		Column Percent	29.2%	10.9%	4.5%	5.2%	13.6%
	30-39		1109	869	2062	42	4082
		Row Percent	27.2%	21.3%	50.5%	1.0%	100.0%
		Column Percent	32.2%	31.9%	41.9%	27.3%	36.3%
	40-49		889	802	1458	58	3207
		Row Percent	27.7%	25.0%	45.5%	1.8%	100.0%
		Column Percent	25.8%	29.4%	29.6%	37.7%	28.5%
	50-59		348	587	882	30	1847
		Row Percent	18.8%	31.8%	47.8%	1.6%	100.0%
		Column Percent	10.1%	21.5%	17.9%	19.5%	16.4%
	60-69		72	135	258	12	477
		Row Percent	15.1%	28.3%	54.1%	2.5%	100.0%
		Column Percent	2.1%	5.0%	5.2%	7.8%	4.2%
	70 years		3	3	3	0	9
		Row Percent	33.3%	33.3%	33.3%	.0%	100.0%
		Column Percent	.1%	.1%	.1%	.0%	.1%
	No answer		13	35	33	4	85
		Row Percent	15.3%	41.2%	38.8%	4.7%	100.0%
		Column Percent	.4%	1.3%	.7%	2.6%	.8%
Total			3440	2727	4919	154	11240
	Row Percent		30.6%	24.3%	43.8%	1.4%	100.0%
	Column Percent		100.0%	100.0%	100.0%	100.0%	100.0%

Table 10.3.1
ALL RESPONDENTS
by WORK SPECIALTY and HIGHEST DEGREE
2000 Survey of ACS Members

			HIGHEST DEGREE				
			BA/BS	MS	PHD	Other	Total
WORK SPECLTY	Chemical engineering		498	502	1134	22	2156
		Row Percent	23.1%	23.3%	52.6%	1.0%	100.0%
		Column Percent	4.7%	5.6%	4.1%	3.6%	4.5%
	Ag/Food chemistry		359	232	771	16	1378
		Row Percent	26.1%	16.8%	56.0%	1.2%	100.0%
		Column Percent	3.4%	2.6%	2.8%	2.6%	2.9%
	Analytical chemistry		2866	1613	3259	90	7828
		Row Percent	36.6%	20.6%	41.6%	1.1%	100.0%
		Column Percent	27.3%	18.1%	11.7%	14.9%	16.4%
	Biochemistry		195	156	1949	14	2314
		Row Percent	8.4%	6.7%	84.2%	.6%	100.0%
		Column Percent	1.9%	1.8%	7.0%	2.3%	4.8%
	Biotechnology		197	189	1080	19	1485
		Row Percent	13.3%	12.7%	72.7%	1.3%	100.0%
		Column Percent	1.9%	2.1%	3.9%	3.1%	3.1%
	Chemical education		187	818	1859	20	2884
		Row Percent	6.5%	28.4%	64.5%	.7%	100.0%
		Column Percent	1.8%	9.2%	6.7%	3.3%	6.0%
	Clinical chemistry		78	57	227	6	368
		Row Percent	21.2%	15.5%	61.7%	1.6%	100.0%
		Column Percent	.7%	.6%	.8%	1.0%	.8%
	Environmental chemistry		985	745	1322	26	3078
		Row Percent	32.0%	24.2%	42.9%	.8%	100.0%
		Column Percent	9.4%	8.4%	4.8%	4.3%	6.4%
	General chemistry		572	220	403	25	1220
		Row Percent	46.9%	18.0%	33.0%	2.0%	100.0%
		Column Percent	5.4%	2.5%	1.4%	4.1%	2.6%
	Inorganic chemistry		242	124	1115	17	1498
		Row Percent	16.2%	8.3%	74.4%	1.1%	100.0%
		Column Percent	2.3%	1.4%	4.0%	2.8%	3.1%
	Materials science		349	298	1403	20	2070
		Row Percent	16.9%	14.4%	67.8%	1.0%	100.0%
		Column Percent	3.3%	3.3%	5.0%	3.3%	4.3%
	Medicinal-Pharmaceutical		726	792	2606	42	4166
		Row Percent	17.4%	19.0%	62.6%	1.0%	100.0%
		Column Percent	6.9%	8.9%	9.4%	6.9%	8.7%
	Organic chemistry		837	743	3556	60	5196
		Row Percent	16.1%	14.3%	68.4%	1.2%	100.0%
		Column Percent	8.0%	8.3%	12.8%	9.9%	10.9%
	Physical chemistry		120	124	1865	20	2129
		Row Percent	5.6%	5.8%	87.6%	.9%	100.0%
		Column Percent	1.1%	1.4%	6.7%	3.3%	4.5%
	Polymer chemistry		862	635	2187	53	3737
		Row Percent	23.1%	17.0%	58.5%	1.4%	100.0%
		Column Percent	8.2%	7.1%	7.9%	8.8%	7.8%
	Other chemical science		302	240	632	15	1189
		Row Percent	25.4%	20.2%	53.2%	1.3%	100.0%
		Column Percent	2.9%	2.7%	2.3%	2.5%	2.5%
	Business Administration		230	434	477	10	1151
		Row Percent	20.0%	37.7%	41.4%	.9%	100.0%
		Column Percent	2.2%	4.9%	1.7%	1.7%	2.4%
	Computer science		149	137	321	4	611
		Row Percent	24.4%	22.4%	52.5%	.7%	100.0%
		Column Percent	1.4%	1.5%	1.2%	.7%	1.3%

Table 10.3.1
ALL RESPONDENTS
by WORK SPECIALTY and HIGHEST DEGREE
2000 Survey of ACS Members (cont.)

			HIGHEST DEGREE				
			BA/BS	MS	PHD	Other	Total
WORK SPECLTY	Law		43	49	225	73	390
		Row Percent	11.0%	12.6%	57.7%	18.7%	100.0%
		Column Percent	.4%	.6%	.8%	12.1%	.8%
	Other nonchemistry		690	792	1397	49	2928
		Row Percent	23.6%	27.0%	47.7%	1.7%	100.0%
		Column Percent	6.6%	8.9%	5.0%	8.1%	6.1%
	No answer		22	8	21	4	55
		Row Percent	40.0%	14.5%	38.2%	7.3%	100.0%
		Column Percent	.2%	.1%	.1%	.7%	.1%
Total			10509	8908	27809	605	47831
	Row Percent		22.0%	18.6%	58.1%	1.3%	100.0%
	Column Percent		100.0%	100.0%	100.0%	100.0%	100.0%

Table 10.4.1
ALL RESPONDENTS
by RACE/ETHNICITY and HIGHEST DEGREE
2000 Survey of ACS Members

			HIGHEST DEGREE				
			BA/BS	MS	PHD	Other	Total
RACE with HISPANIC	Hispanic		321	219	575	18	1133
		Row Percent	28.3%	19.3%	50.8%	1.6%	100.0%
		Column Percent	3.1%	2.5%	2.1%	3.0%	2.4%
	White		8208	6602	20222	465	35497
		Row Percent	23.1%	18.6%	57.0%	1.3%	100.0%
		Column Percent	78.1%	74.1%	72.7%	76.9%	74.2%
	Black		298	148	290	12	748
		Row Percent	39.8%	19.8%	38.8%	1.6%	100.0%
		Column Percent	2.8%	1.7%	1.0%	2.0%	1.6%
	American Indian		29	10	26	0	65
		Row Percent	44.6%	15.4%	40.0%	.0%	100.0%
		Column Percent	.3%	.1%	.1%	.0%	.1%
	Asian Indian		70	172	952	10	1204
		Row Percent	5.8%	14.3%	79.1%	.8%	100.0%
		Column Percent	.7%	1.9%	3.4%	1.7%	2.5%
	Chinese		112	366	1668	15	2161
		Row Percent	5.2%	16.9%	77.2%	.7%	100.0%
		Column Percent	1.1%	4.1%	6.0%	2.5%	4.5%
	Japanese		60	54	212	0	326
		Row Percent	18.4%	16.6%	65.0%	.0%	100.0%
		Column Percent	.6%	.6%	.8%	.0%	.7%
	Korean		21	21	139	1	182
		Row Percent	11.5%	11.5%	76.4%	.5%	100.0%
		Column Percent	.2%	.2%	.5%	.2%	.4%
	Vietnamese		53	16	33	1	103
		Row Percent	51.5%	15.5%	32.0%	1.0%	100.0%
		Column Percent	.5%	.2%	.1%	.2%	.2%
	Other Asian		93	75	215	2	385
		Row Percent	24.2%	19.5%	55.8%	.5%	100.0%
		Column Percent	.9%	.8%	.8%	.3%	.8%
	Native Hawaian or Pac Islander		20	17	22	1	60
		Row Percent	33.3%	28.3%	36.7%	1.7%	100.0%
		Column Percent	.2%	.2%	.1%	.2%	.1%
	Other race		113	82	233	8	436
		Row Percent	25.9%	18.8%	53.4%	1.8%	100.0%
		Column Percent	1.1%	.9%	.8%	1.3%	.9%
	No answer		1111	1126	3222	72	5531
		Row Percent	20.1%	20.4%	58.3%	1.3%	100.0%
		Column Percent	10.6%	12.6%	11.6%	11.9%	11.6%
Total			10509	8908	27809	605	47831
	Row Percent		22.0%	18.6%	58.1%	1.3%	100.0%
	Column Percent		100.0%	100.0%	100.0%	100.0%	100.0%

Table 10.5.1
ALL RESPONDENTS
by RACE/ETHNICITY and SEX
2000 Survey of ACS Members

			SEX			
			Men	Women	No answer	Total
RACE with HISPANIC	Hispanic		741	387	5	1133
		Row Percent	65.4%	34.2%	.4%	100.0%
		Column Percent	2.1%	3.4%	.3%	2.4%
	White		27013	8396	88	35497
		Row Percent	76.1%	23.7%	.2%	100.0%
		Column Percent	77.2%	74.7%	5.4%	74.2%
	Black		475	272	1	748
		Row Percent	63.5%	36.4%	.1%	100.0%
		Column Percent	1.4%	2.4%	.1%	1.6%
	American Indian		40	25	0	65
		Row Percent	61.5%	38.5%	.0%	100.0%
		Column Percent	.1%	.2%	.0%	.1%
	Asian Indian		1017	184	3	1204
		Row Percent	84.5%	15.3%	.2%	100.0%
		Column Percent	2.9%	1.6%	.2%	2.5%
	Chinese		1513	644	4	2161
		Row Percent	70.0%	29.8%	.2%	100.0%
		Column Percent	4.3%	5.7%	.2%	4.5%
	Japanese		245	81	0	326
		Row Percent	75.2%	24.8%	.0%	100.0%
		Column Percent	.7%	.7%	.0%	.7%
	Korean		132	50	0	182
		Row Percent	72.5%	27.5%	.0%	100.0%
		Column Percent	.4%	.4%	.0%	.4%
	Vietnamese		46	57	0	103
		Row Percent	44.7%	55.3%	.0%	100.0%
		Column Percent	.1%	.5%	.0%	.2%
	Other Asian		219	165	1	385
		Row Percent	56.9%	42.9%	.3%	100.0%
		Column Percent	.6%	1.5%	.1%	.8%
	Native Hawaian or Pac Islander		26	34	0	60
		Row Percent	43.3%	56.7%	.0%	100.0%
		Column Percent	.1%	.3%	.0%	.1%
	Other race		361	74	1	436
		Row Percent	82.8%	17.0%	.2%	100.0%
		Column Percent	1.0%	.7%	.1%	.9%
	No answer		3146	871	1514	5531
		Row Percent	56.9%	15.7%	27.4%	100.0%
		Column Percent	9.0%	7.7%	93.6%	11.6%
Total			34974	11240	1617	47831
	Row Percent		73.1%	23.5%	3.4%	100.0%
	Column Percent		100.0%	100.0%	100.0%	100.0%

Table 10.6.1
ALL RESPONDENTS
by RACE/ETHNICITY and CITIZENSHIP
2000 Survey of ACS Members

			CITIZENSHIP			
			Native	Naturalized	Permanent resident	Other visa
RACE with HISPANIC	Hispanic		651	294	130	52
		Row Percent	57.5%	25.9%	11.5%	4.6%
		Column Percent	1.8%	6.2%	4.2%	3.5%
	White		32185	1444	1249	571
		Row Percent	90.7%	4.1%	3.5%	1.6%
		Column Percent	87.1%	30.4%	40.7%	38.1%
	Black		511	120	84	29
		Row Percent	68.3%	16.0%	11.2%	3.9%
		Column Percent	1.4%	2.5%	2.7%	1.9%
	American Indian		63	1	0	0
		Row Percent	96.9%	1.5%	.0%	.0%
		Column Percent	.2%	.0%	.0%	.0%
	Asian Indian		20	652	351	180
		Row Percent	1.7%	54.2%	29.2%	15.0%
		Column Percent	.1%	13.7%	11.4%	12.0%
	Chinese		179	1014	622	339
		Row Percent	8.3%	46.9%	28.8%	15.7%
		Column Percent	.5%	21.3%	20.2%	22.6%
	Japanese		185	23	63	53
		Row Percent	56.7%	7.1%	19.3%	16.3%
		Column Percent	.5%	.5%	2.1%	3.5%
	Korean		14	95	38	35
		Row Percent	7.7%	52.2%	20.9%	19.2%
		Column Percent	.0%	2.0%	1.2%	2.3%
	Vietnamese		5	87	10	1
		Row Percent	4.9%	84.5%	9.7%	1.0%
		Column Percent	.0%	1.8%	.3%	.1%
	Other Asian		19	252	80	34
		Row Percent	4.9%	65.5%	20.8%	8.8%
		Column Percent	.1%	5.3%	2.6%	2.3%
	Native Hawaian or Pac Islander		21	31	6	2
		Row Percent	35.0%	51.7%	10.0%	3.3%
		Column Percent	.1%	.7%	.2%	.1%
	Other race		269	112	37	18
		Row Percent	61.7%	25.7%	8.5%	4.1%
		Column Percent	.7%	2.4%	1.2%	1.2%
	No answer		2810	630	402	183
		Row Percent	50.8%	11.4%	7.3%	3.3%
		Column Percent	7.6%	13.2%	13.1%	12.2%
Total			36932	4755	3072	1497
	Row Percent		77.2%	9.9%	6.4%	3.1%
	Column Percent		100.0%	100.0%	100.0%	100.0%

Table 10.6.1
ALL RESPONDENTS
by RACE/ETHNICITY and CITIZENSHIP
2000 Survey of ACS Members (cont.)

			CITIZENSHIP	
			No answer	Total
RACE with HISPANIC	Hispanic		6	1133
		Row Percent	.5%	100.0%
		Column Percent	.4%	2.4%
	White		48	35497
		Row Percent	.1%	100.0%
		Column Percent	3.0%	74.2%
	Black		4	748
		Row Percent	.5%	100.0%
		Column Percent	.3%	1.6%
	American Indian		1	65
		Row Percent	1.5%	100.0%
		Column Percent	.1%	.1%
	Asian Indian		1	1204
		Row Percent	.1%	100.0%
		Column Percent	.1%	2.5%
	Chinese		7	2161
		Row Percent	.3%	100.0%
		Column Percent	.4%	4.5%
	Japanese		2	326
		Row Percent	.6%	100.0%
		Column Percent	.1%	.7%
	Korean		0	182
		Row Percent	.0%	100.0%
		Column Percent	.0%	.4%
	Vietnamese		0	103
		Row Percent	.0%	100.0%
		Column Percent	.0%	.2%
	Other Asian		0	385
		Row Percent	.0%	100.0%
		Column Percent	.0%	.8%
	Native Hawaian or Pac Islander		0	60
		Row Percent	.0%	100.0%
		Column Percent	.0%	.1%
	Other race		0	436
		Row Percent	.0%	100.0%
		Column Percent	.0%	.9%
	No answer		1506	5531
		Row Percent	27.2%	100.0%
		Column Percent	95.6%	11.6%
Total			1575	47831
	Row Percent		3.3%	100.0%
	Column Percent		100.0%	100.0%

Table 10.7.1
ALL RESPONDENTS
by REGION and AGE
2000 Survey of ACS Members

			AGE							Total
			20-29	30-39	40-49	50-59	60-69	70 years	No answer	
GEOGRAPHIC REGION	Pacific		336	1681	1775	1418	528	10	40	5788
		Row Percent	5.8%	29.0%	30.7%	24.5%	9.1%	.2%	.7%	100.0%
		Column Percent	10.5%	13.5%	12.8%	11.7%	11.9%	10.8%	2.3%	12.1%
	Mountain		139	574	678	615	205	3	16	2230
		Row Percent	6.2%	25.7%	30.4%	27.6%	9.2%	.1%	.7%	100.0%
		Column Percent	4.4%	4.6%	4.9%	5.1%	4.6%	3.2%	.9%	4.7%
	West North Central		219	812	888	729	269	5	21	2943
		Row Percent	7.4%	27.6%	30.2%	24.8%	9.1%	.2%	.7%	100.0%
		Column Percent	6.9%	6.5%	6.4%	6.0%	6.0%	5.4%	1.2%	6.2%
	West South Central		173	817	972	987	336	8	18	3311
		Row Percent	5.2%	24.7%	29.4%	29.8%	10.1%	.2%	.5%	100.0%
		Column Percent	5.4%	6.5%	7.0%	8.2%	7.5%	8.6%	1.1%	6.9%
	East North Central		661	2270	2511	2112	710	12	71	8347
		Row Percent	7.9%	27.2%	30.1%	25.3%	8.5%	.1%	.9%	100.0%
		Column Percent	20.7%	18.2%	18.1%	17.5%	15.9%	12.9%	4.2%	17.5%
	East South Central		91	386	466	459	156	3	12	1573
		Row Percent	5.8%	24.5%	29.6%	29.2%	9.9%	.2%	.8%	100.0%
		Column Percent	2.8%	3.1%	3.4%	3.8%	3.5%	3.2%	.7%	3.3%
	Middle Atlantic		650	2433	2882	2408	908	26	58	9365
		Row Percent	6.9%	26.0%	30.8%	25.7%	9.7%	.3%	.6%	100.0%
		Column Percent	20.4%	19.5%	20.8%	19.9%	20.4%	28.0%	3.4%	19.6%
	South Atlantic		480	1938	2149	2079	795	13	54	7508
		Row Percent	6.4%	25.8%	28.6%	27.7%	10.6%	.2%	.7%	100.0%
		Column Percent	15.0%	15.5%	15.5%	17.2%	17.8%	14.0%	3.2%	15.7%
	New England		290	1168	1082	858	350	5	30	3783
		Row Percent	7.7%	30.9%	28.6%	22.7%	9.3%	.1%	.8%	100.0%
		Column Percent	9.1%	9.4%	7.8%	7.1%	7.9%	5.4%	1.8%	7.9%
	No Answer		155	396	435	408	198	8	1383	2983
		Row Percent	5.2%	13.3%	14.6%	13.7%	6.6%	.3%	46.4%	100.0%
		Column Percent	4.9%	3.2%	3.1%	3.4%	4.4%	8.6%	81.2%	6.2%
Total			3194	12475	13838	12073	4455	93	1703	47831
	Row Percent		6.7%	26.1%	28.9%	25.2%	9.3%	.2%	3.6%	100.0%
	Column Percent		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Table 10.8.1
ALL RESPONDENTS
by FUNCTION and REGION
2000 Survey of ACS Members

			GEOGRAPHIC REGION										
			Pacific	Mountain	West North Central	West South Central	East North Central	East South Central	Middle Atlantic	South Atlantic	New England	No Answer	Total
WORK FUNCTION	Analytical services		510	255	366	333	925	150	991	708	315	81	4634
		Row Percent	11.0%	5.5%	7.9%	7.2%	20.0%	3.2%	21.4%	15.3%	6.8%	1.7%	100.0%
		Column Percent	8.8%	11.4%	12.4%	10.1%	11.1%	9.5%	10.6%	9.4%	8.3%	2.7%	9.7%
	Chemical info		44	16	30	15	141	11	84	77	24	13	455
		Row Percent	9.7%	3.5%	6.6%	3.3%	31.0%	2.4%	18.5%	16.9%	5.3%	2.9%	100.0%
		Column Percent	.8%	.7%	1.0%	.5%	1.7%	.7%	.9%	1.0%	.6%	.4%	1.0%
	Computers		87	31	20	25	49	13	104	75	39	10	453
		Row Percent	19.2%	6.8%	4.4%	5.5%	10.8%	2.9%	23.0%	16.6%	8.6%	2.2%	100.0%
		Column Percent	1.5%	1.4%	.7%	.8%	.6%	.8%	1.1%	1.0%	1.0%	.3%	.9%
	Consulting		248	74	49	100	148	41	226	226	125	33	1270
		Row Percent	19.5%	5.8%	3.9%	7.9%	11.7%	3.2%	17.8%	17.8%	9.8%	2.6%	100.0%
		Column Percent	4.3%	3.3%	1.7%	3.0%	1.8%	2.6%	2.4%	3.0%	3.3%	1.1%	2.7%
	Forensics		40	22	17	20	65	9	37	69	15	5	299
		Row Percent	13.4%	7.4%	5.7%	6.7%	21.7%	3.0%	12.4%	23.1%	5.0%	1.7%	100.0%
		Column Percent	.7%	1.0%	.6%	.6%	.8%	.6%	.4%	.9%	.4%	.2%	.6%
	General mgmt		268	111	128	177	364	71	386	423	131	58	2117
		Row Percent	12.7%	5.2%	6.0%	8.4%	17.2%	3.4%	18.2%	20.0%	6.2%	2.7%	100.0%
		Column Percent	4.6%	5.0%	4.3%	5.3%	4.4%	4.5%	4.1%	5.6%	3.5%	1.9%	4.4%
	Health & safety		133	62	67	82	211	40	258	301	75	23	1252
		Row Percent	10.6%	5.0%	5.4%	6.5%	16.9%	3.2%	20.6%	24.0%	6.0%	1.8%	100.0%
		Column Percent	2.3%	2.8%	2.3%	2.5%	2.5%	2.5%	2.8%	4.0%	2.0%	.8%	2.6%
	Marketing,sales		205	57	78	163	349	63	378	279	149	42	1763
		Row Percent	11.6%	3.2%	4.4%	9.2%	19.8%	3.6%	21.4%	15.8%	8.5%	2.4%	100.0%
		Column Percent	3.5%	2.6%	2.7%	4.9%	4.2%	4.0%	4.0%	3.7%	3.9%	1.4%	3.7%
	Patents		54	10	16	22	64	2	71	88	38	10	375
		Row Percent	14.4%	2.7%	4.3%	5.9%	17.1%	.5%	18.9%	23.5%	10.1%	2.7%	100.0%
		Column Percent	.9%	.4%	.5%	.7%	.8%	.1%	.8%	1.2%	1.0%	.3%	.8%
	Production, QC		296	97	181	259	521	125	554	381	196	84	2694
		Row Percent	11.0%	3.6%	6.7%	9.6%	19.3%	4.6%	20.6%	14.1%	7.3%	3.1%	100.0%
		Column Percent	5.1%	4.3%	6.2%	7.8%	6.2%	7.9%	5.9%	5.1%	5.2%	2.8%	5.6%
	Applied research		1480	462	654	728	2300	284	2577	1700	1111	201	11497
		Row Percent	12.9%	4.0%	5.7%	6.3%	20.0%	2.5%	22.4%	14.8%	9.7%	1.7%	100.0%
		Column Percent	25.6%	20.7%	22.2%	22.0%	27.6%	18.1%	27.5%	22.6%	29.4%	6.7%	24.0%
	Basic research		411	161	113	111	451	69	750	526	251	59	2902
		Row Percent	14.2%	5.5%	3.9%	3.8%	15.5%	2.4%	25.8%	18.1%	8.6%	2.0%	100.0%
		Column Percent	7.1%	7.2%	3.8%	3.4%	5.4%	4.4%	8.0%	7.0%	6.6%	2.0%	6.1%
	R&D mgmt		470	122	204	190	653	92	834	657	372	69	3663
		Row Percent	12.8%	3.3%	5.6%	5.2%	17.8%	2.5%	22.8%	17.9%	10.2%	1.9%	100.0%
		Column Percent	8.1%	5.5%	6.9%	5.7%	7.8%	5.8%	8.9%	8.8%	9.8%	2.3%	7.7%
	Training		84	40	65	60	105	27	131	102	48	14	676
		Row Percent	12.4%	5.9%	9.6%	8.9%	15.5%	4.0%	19.4%	15.1%	7.1%	2.1%	100.0%
		Column Percent	1.5%	1.8%	2.2%	1.8%	1.3%	1.7%	1.4%	1.4%	1.3%	.5%	1.4%
	Other function		235	106	109	164	280	49	354	347	130	58	1832
		Row Percent	12.8%	5.8%	5.9%	9.0%	15.3%	2.7%	19.3%	18.9%	7.1%	3.2%	100.0%
		Column Percent	4.1%	4.8%	3.7%	5.0%	3.4%	3.1%	3.8%	4.6%	3.4%	1.9%	3.8%
	No answer		1223	604	846	862	1721	527	1630	1549	764	2223	11949
		Row Percent	10.2%	5.1%	7.1%	7.2%	14.4%	4.4%	13.6%	13.0%	6.4%	18.6%	100.0%
		Column Percent	21.1%	27.1%	28.7%	26.0%	20.6%	33.5%	17.4%	20.6%	20.2%	74.5%	25.0%
Total			5788	2230	2943	3311	8347	1573	9365	7508	3783	2983	47831
	Row Percent		12.1%	4.7%	6.2%	6.9%	17.5%	3.3%	19.6%	15.7%	7.9%	6.2%	100.0%
	Column Percent		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Table 10.9.1
ALL RESPONDENTS
by WORK SPECIALTY and REGION
2000 Survey of ACS Members

			GEOGRAPHIC REGION										
			Pacific	Mountain	West North Central	West South Central	East North Central	East South Central	Middle Atlantic	South Atlantic	New England	No Answer	Total
WORK SPECIALTY	Chemical engineering		223	89	104	277	359	85	406	289	149	175	2156
		Row Percent	10.3%	4.1%	4.8%	12.8%	16.7%	3.9%	18.8%	13.4%	6.9%	8.1%	100.0%
		Column Percent	3.9%	4.0%	3.5%	8.4%	4.3%	5.4%	4.3%	3.8%	3.9%	5.9%	4.5%
	Ag/Food chemistry		157	31	159	59	216	43	256	304	51	102	1378
		Row Percent	11.4%	2.2%	11.5%	4.3%	15.7%	3.1%	18.6%	22.1%	3.7%	7.4%	100.0%
		Column Percent	2.7%	1.4%	5.4%	1.8%	2.6%	2.7%	2.7%	4.0%	1.3%	3.4%	2.9%
	Analytical chemistry		820	406	492	534	1502	271	1556	1278	557	412	7828
		Row Percent	10.5%	5.2%	6.3%	6.8%	19.2%	3.5%	19.9%	16.3%	7.1%	5.3%	100.0%
		Column Percent	14.2%	18.2%	16.7%	16.1%	18.0%	17.2%	16.6%	17.0%	14.7%	13.8%	16.4%
	Biochemistry		311	87	191	163	375	81	416	361	198	131	2314
		Row Percent	13.4%	3.8%	8.3%	7.0%	16.2%	3.5%	18.0%	15.6%	8.6%	5.7%	100.0%
		Column Percent	5.4%	3.9%	6.5%	4.9%	4.5%	5.1%	4.4%	4.8%	5.2%	4.4%	4.8%
	Biotechnology		442	67	92	42	143	26	224	209	181	59	1485
		Row Percent	29.8%	4.5%	6.2%	2.8%	9.6%	1.8%	15.1%	14.1%	12.2%	4.0%	100.0%
		Column Percent	7.6%	3.0%	3.1%	1.3%	1.7%	1.7%	2.4%	2.8%	4.8%	2.0%	3.1%
	Chemical education		345	147	228	251	492	120	497	403	198	203	2884
		Row Percent	12.0%	5.1%	7.9%	8.7%	17.1%	4.2%	17.2%	14.0%	6.9%	7.0%	100.0%
		Column Percent	6.0%	6.6%	7.7%	7.6%	5.9%	7.6%	5.3%	5.4%	5.2%	6.8%	6.0%
	Clinical chemistry		52	9	24	22	69	10	61	58	28	35	368
		Row Percent	14.1%	2.4%	6.5%	6.0%	18.8%	2.7%	16.6%	15.8%	7.6%	9.5%	100.0%
		Column Percent	.9%	.4%	.8%	.7%	.8%	.6%	.7%	.8%	.7%	1.2%	.8%
	Environmental chemistry		490	261	189	225	444	118	399	585	187	180	3078
		Row Percent	15.9%	8.5%	6.1%	7.3%	14.4%	3.8%	13.0%	19.0%	6.1%	5.8%	100.0%
		Column Percent	8.5%	11.7%	6.4%	6.8%	5.3%	7.5%	4.3%	7.8%	4.9%	6.0%	6.4%
	General chemistry		117	44	99	93	216	39	240	206	76	90	1220
		Row Percent	9.6%	3.6%	8.1%	7.6%	17.7%	3.2%	19.7%	16.9%	6.2%	7.4%	100.0%
		Column Percent	2.0%	2.0%	3.4%	2.8%	2.6%	2.5%	2.6%	2.7%	2.0%	3.0%	2.6%
	Inorganic chemistry		147	92	98	162	276	61	258	227	98	79	1498
		Row Percent	9.8%	6.1%	6.5%	10.8%	18.4%	4.1%	17.2%	15.2%	6.5%	5.3%	100.0%
		Column Percent	2.5%	4.1%	3.3%	4.9%	3.3%	3.9%	2.8%	3.0%	2.6%	2.6%	3.1%
	Materials science		257	141	122	132	363	63	390	308	170	124	2070
		Row Percent	12.4%	6.8%	5.9%	6.4%	17.5%	3.0%	18.8%	14.9%	8.2%	6.0%	100.0%
		Column Percent	4.4%	6.3%	4.1%	4.0%	4.3%	4.0%	4.2%	4.1%	4.5%	4.2%	4.3%
	Medicinal-Pharmaceutical		623	104	209	89	699	63	1115	556	508	200	4166
		Row Percent	15.0%	2.5%	5.0%	2.1%	16.8%	1.5%	26.8%	13.3%	12.2%	4.8%	100.0%
		Column Percent	10.8%	4.7%	7.1%	2.7%	8.4%	4.0%	11.9%	7.4%	13.4%	6.7%	8.7%
	Organic chemistry		545	187	286	385	941	194	1170	723	443	322	5196
		Row Percent	10.5%	3.6%	5.5%	7.4%	18.1%	3.7%	22.5%	13.9%	8.5%	6.2%	100.0%
		Column Percent	9.4%	8.4%	9.7%	11.6%	11.3%	12.3%	12.5%	9.6%	11.7%	10.8%	10.9%
	Physical chemistry		257	137	123	160	344	69	392	341	173	133	2129
		Row Percent	12.1%	6.4%	5.8%	7.5%	16.2%	3.2%	18.4%	16.0%	8.1%	6.2%	100.0%
		Column Percent	4.4%	6.1%	4.2%	4.8%	4.1%	4.4%	4.2%	4.5%	4.6%	4.5%	4.5%
	Polymer chemistry		278	73	209	261	850	152	748	569	331	266	3737
		Row Percent	7.4%	2.0%	5.6%	7.0%	22.7%	4.1%	20.0%	15.2%	8.9%	7.1%	100.0%
		Column Percent	4.8%	3.3%	7.1%	7.9%	10.2%	9.7%	8.0%	7.6%	8.7%	8.9%	7.8%
	Other chemical science		110	83	51	101	225	34	236	197	78	74	1189
		Row Percent	9.3%	7.0%	4.3%	8.5%	18.9%	2.9%	19.8%	16.6%	6.6%	6.2%	100.0%
		Column Percent	1.9%	3.7%	1.7%	3.1%	2.7%	2.2%	2.5%	2.6%	2.1%	2.5%	2.5%
	Business Administration		109	49	65	79	199	43	242	179	85	101	1151
		Row Percent	9.5%	4.3%	5.6%	6.9%	17.3%	3.7%	21.0%	15.6%	7.4%	8.8%	100.0%
		Column Percent	1.9%	2.2%	2.2%	2.4%	2.4%	2.7%	2.6%	2.4%	2.2%	3.4%	2.4%
	Computer science		104	34	29	23	85	17	132	107	49	31	611
		Row Percent	17.0%	5.6%	4.7%	3.8%	13.9%	2.8%	21.6%	17.5%	8.0%	5.1%	100.0%
		Column Percent	1.8%	1.5%	1.0%	.7%	1.0%	1.1%	1.4%	1.4%	1.3%	1.0%	1.3%
	Law		58	14	15	22	60	8	69	80	37	27	390
		Row Percent	14.9%	3.6%	3.8%	5.6%	15.4%	2.1%	17.7%	20.5%	9.5%	6.9%	100.0%
		Column Percent	1.0%	.6%	.5%	.7%	.7%	.5%	.7%	1.1%	1.0%	.9%	.8%
	Other nonchemistry		337	173	153	228	480	74	552	521	186	224	2928
		Row Percent	11.5%	5.9%	5.2%	7.8%	16.4%	2.5%	18.9%	17.8%	6.4%	7.7%	100.0%
		Column Percent	5.8%	7.8%	5.2%	6.9%	5.8%	4.7%	5.9%	6.9%	4.9%	7.5%	6.1%
	No Answer		6	2	5	3	9	2	6	7	0	15	55
		Row Percent	10.9%	3.6%	9.1%	5.5%	16.4%	3.6%	10.9%	12.7%	.0%	27.3%	100.0%
		Column Percent	.1%	.1%	.2%	.1%	.1%	.1%	.1%	.1%	.0%	.5%	.1%
Total			5788	2230	2943	3311	8347	1573	9365	7508	3783	2983	47831
	Row Percent		12.1%	4.7%	6.2%	6.9%	17.5%	3.3%	19.6%	15.7%	7.9%	6.2%	100.0%
	Column Percent		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Table 10.10.1
ALL RESPONDENTS
by REGION and SEX
2000 Survey of ACS Members

			SEX			
			Men	Women	No answer	Total
GEOGRAPHIC REGION	Pacific		4312	1442	34	5788
		Row Percent	74.5%	24.9%	.6%	100.0%
		Column Percent	12.3%	12.8%	2.1%	12.1%
	Mountain		1710	499	21	2230
		Row Percent	76.7%	22.4%	.9%	100.0%
		Column Percent	4.9%	4.4%	1.3%	4.7%
	West North Central		2259	669	15	2943
		Row Percent	76.8%	22.7%	.5%	100.0%
		Column Percent	6.5%	6.0%	.9%	6.2%
	West South Central		2622	672	17	3311
		Row Percent	79.2%	20.3%	.5%	100.0%
		Column Percent	7.5%	6.0%	1.1%	6.9%
	East North Central		6360	1934	53	8347
		Row Percent	76.2%	23.2%	.6%	100.0%
		Column Percent	18.2%	17.2%	3.3%	17.5%
	East South Central		1240	321	12	1573
		Row Percent	78.8%	20.4%	.8%	100.0%
		Column Percent	3.5%	2.9%	.7%	3.3%
	Middle Atlantic		7022	2305	38	9365
		Row Percent	75.0%	24.6%	.4%	100.0%
		Column Percent	20.1%	20.5%	2.4%	19.6%
	South Atlantic		5647	1827	34	7508
		Row Percent	75.2%	24.3%	.5%	100.0%
		Column Percent	16.1%	16.3%	2.1%	15.7%
	New England		2818	944	21	3783
		Row Percent	74.5%	25.0%	.6%	100.0%
		Column Percent	8.1%	8.4%	1.3%	7.9%
	No answer		984	627	1372	2983
		Row Percent	33.0%	21.0%	46.0%	100.0%
		Column Percent	2.8%	5.6%	84.8%	6.2%
Total			34974	11240	1617	47831
	Row Percent		73.1%	23.5%	3.4%	100.0%
	Column Percent		100.0%	100.0%	100.0%	100.0%

Table 10.11.1
ALL RESPONDENTS
by REGION and HIGHEST DEGREE
2000 Survey of ACS Members

			HIGHEST DEGREE				
			BA/BS	MS	PhD	Other	Total
GEOGRAPHIC REGION	Pacific		1173	975	3583	57	5788
		Row Percent	20.3%	16.8%	61.9%	1.0%	100.0%
		Column Percent	11.2%	10.9%	12.9%	9.4%	12.1%
	Mountain		469	334	1392	35	2230
		Row Percent	21.0%	15.0%	62.4%	1.6%	100.0%
		Column Percent	4.5%	3.7%	5.0%	5.8%	4.7%
	West North Central		737	467	1710	29	2943
		Row Percent	25.0%	15.9%	58.1%	1.0%	100.0%
		Column Percent	7.0%	5.2%	6.1%	4.8%	6.2%
	West South Central		725	579	1958	49	3311
		Row Percent	21.9%	17.5%	59.1%	1.5%	100.0%
		Column Percent	6.9%	6.5%	7.0%	8.1%	6.9%
	East North Central		2182	1631	4426	108	8347
		Row Percent	26.1%	19.5%	53.0%	1.3%	100.0%
		Column Percent	20.8%	18.3%	15.9%	17.9%	17.5%
	East South Central		349	252	962	10	1573
		Row Percent	22.2%	16.0%	61.2%	.6%	100.0%
		Column Percent	3.3%	2.8%	3.5%	1.7%	3.3%
	Middle Atlantic		1888	1926	5427	124	9365
		Row Percent	20.2%	20.6%	57.9%	1.3%	100.0%
		Column Percent	18.0%	21.6%	19.5%	20.5%	19.6%
	South Atlantic		1548	1288	4561	111	7508
		Row Percent	20.6%	17.2%	60.7%	1.5%	100.0%
		Column Percent	14.7%	14.5%	16.4%	18.3%	15.7%
	New England		688	766	2286	43	3783
		Row Percent	18.2%	20.2%	60.4%	1.1%	100.0%
		Column Percent	6.5%	8.6%	8.2%	7.1%	7.9%
	No answer		750	690	1504	39	2983
		Row Percent	25.1%	23.1%	50.4%	1.3%	100.0%
		Column Percent	7.1%	7.7%	5.4%	6.4%	6.2%
Total			10509	8908	27809	605	47831
	Row Percent		22.0%	18.6%	58.1%	1.3%	100.0%
	Column Percent		100.0%	100.0%	100.0%	100.0%	100.0%

CHEMCENSUS 2000

2000 Comprehensive Salary and Employment Status Survey

MARKING INSTRUCTIONS
- Use a No. 2 pencil or blue or black ink pen only.

INCORRECT MARKS ✓ ✗ ~~~

CORRECT MARK ●

EDUCATION AND EMPLOYMENT STATUS

What is the highest degree you have received to date? Fill in one.

- ○ Less than Bachelor's
- ○ Bachelor's
- ○ Master's
- ○ Doctorate
- ○ Other (specify) _____

Please indicate the year for each degree you have earned.

	Bachelor's	Master's	Doctorate
19	00 01 02 03 04 05 06 07 08 09	00 01 02 03 04 05 06 07 08 09	00 01 02 03 04 05 06 07 08 09

Please indicate the one field of the highest degree you have earned and the one specialty most related to your current or most recent job using the appropriate column below. Fill in one response for each column.

	One field of degree	One work specialty
Chemical engineering	○	○
Agricultural/food chemistry	○	○
Analytical chemistry	○	○
Biochemistry	○	○
Biotechnology	○	○
Chemical education	○	○
Clinical chemistry	○	○
Environmental chemistry	○	○
General chemistry	○	○
Inorganic chemistry	○	○
Materials science	○	○
Medicinal/pharmaceutical chemistry	○	○
Organic chemistry	○	○
Physical chemistry	○	○
Polymer chemistry	○	○
Other chemical science	○	○
Business administration	○	○
Computer science	○	○
Law	○	○
Other non-chemistry	○	○

Please indicate your primary employment status as of March 1, 2000. Choose the one category that best fits your situation.

- ○ Employed full-time (35 hours or more per week) — Go to 6
- ○ Employed part-time — Go to 6
- ○ Postdoctoral or other fellowship — Go to 6
- ○ Not employed but actively seeking employment — Go to 10
- ○ Not employed and not seeking employment — Go to 5
- ○ Fully retired — Stop Here and Return Survey

5. If you are not employed and not seeking employment on March 1, 2000, what is the most important reason for not seeking work?

- ○ Temporary health or personal reasons
- ○ Tending to family responsibilities
- ○ Suitable job not available
- ○ Student
- ○ Other, please specify _____

Go to 42

6. If you are currently employed, how long have you worked for your current employer? Fill in one.

- ○ Less than 1 year
- ○ 1 to 4 years
- ○ 5 to 9 years
- ○ 10 to 19 years
- ○ 20 or more years

7. If you are currently employed, is your job permanent or temporary? Fill in one.

- ○ Permanent
- ○ Temporary
- ○ Agency temp
- ○ Fixed term contract

8. If your current job is part-time, please indicate the amount of weekly hours that best describes that position.

- ○ Less than 10 hours
- ○ 10 to 19 hours
- ○ 20 to 29 hours
- ○ 30 to 34 hours

9. If your current job is part-time, what is the main reason for that status?

- ○ Prefer part-time work
- ○ Full-time work not available
- ○ Constraints due to family or marital status
- ○ Other, Please specify _____

Go to 12

10. If you were not employed but actively seeking employment on March 1, 2000, how long had you been unemployed? Fill in one.

- ○ Less than 1 month
- ○ 1 to 3 months
- ○ 4 to 6 months
- ○ 7 to 12 months
- ○ More than 1 year

11. If you were not employed but actively seeking employment on March 1, 2000, was your job search restricted by:

- ○ Inability to relocate
- ○ Family responsibilities
- ○ Need for part-time employment
- ○ Other, Please specify _____
- ○ No restrictions

12. Regardless of your current status, was there any period when you were not employed but actively seeking employment in calendar year 1999? Fill in one.

- ○ Yes
- ○ No – Go to 13

If yes, how many total months were you not employed but actively seeking employment in calendar year 1999? Fill in one.

- ○ Less than 1 month
- ○ 1 to 3 months
- ○ 4 to 6 months
- ○ 7 to 11 months
- ○ 12 months

DO NOT MARK IN THIS AREA

097903

13. **Has there been <u>any</u> time in your professional career during which you were not working or attending school full-time for <u>more than six months</u>?**

- ○ No, Go to 16
- ○ Yes, I was unemployed
- ○ Yes, I was working outside my profession
- ○ Yes, I had leave without pay
- ○ Yes, I had paid leave-not vacation
- ○ Yes, other, please specify _____

If yes, how many hiatuses?
○ 1 ○ 2 ○ 3 ○ 4 ○ 5 or more

14. **What was the reason for the <u>one</u> most significant hiatus?** Please fill in the <u>one</u> most significant

- ○ Involuntary termination
- ○ Voluntary termination
- ○ Child care/maternity
- ○ Spousal care
- ○ Elder care
- ○ Personal/health
- ○ Other, please specify _____

15. **Do you feel this hiatus had an effect on your career?**

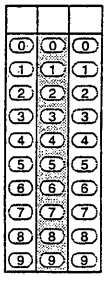
- ○ No effect on my career
- ○ Yes, it helped my career
- ○ Yes, it hurt my career

16. **In your professional career, have you ever held a post-doctoral position?**

○ Yes ○ No -Go to 17

If yes, how many post-doctoral positions have you held?
○ 1 ○ 2 ○ 3 ○ 4 ○ 5 or more

17. **What are the first three digits of the <u>zip code</u> of your current or most recent place of employment?**



II. CURRENT INCOME AND JOB EVALUATION

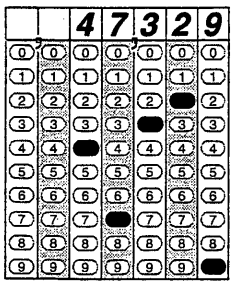
If you are <u>employed, either full-time or part-time</u>, please answer current income and job evaluation.

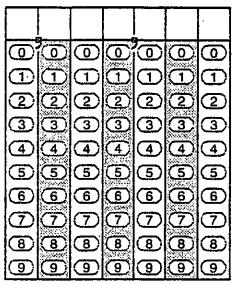
(If you are <u>not currently employed</u>, please go to Section III).

In filling out questions, please follow example below:

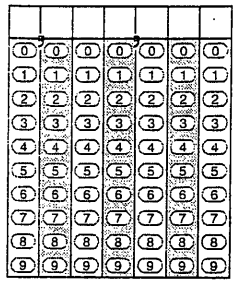
18. **What was your base annual salary from your <u>primary employer</u> as of March 1, 2000?** Do <u>not</u> include bonuses, earnings from second employer, overtime work, summer teaching, or other supplemental earnings. If on a 9 or 10 month contract, report the 9 or 10 month salary rather than an annualized salary. If none, enter zero.

EXAMPLE:

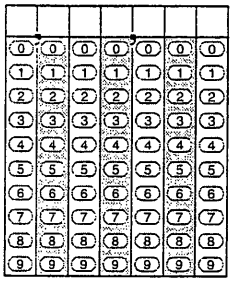




19. **What was your base annual salary from your <u>primary employer</u> as of March 1, 1999?** Do <u>not</u> include bonuses, earnings from second employer, overtime work, summer teaching, or other supplemental earnings. If on a 9 or 10 month contract, report the 9 or 10 month salary rather than an annualized salary. If none, enter zero.



20. **What was your <u>total professional income</u> during calen year 1999?** Include consulting fees, base annual salary, bonuses, earnings from second employer, overtime, sum teaching, and other supplemental earnings.



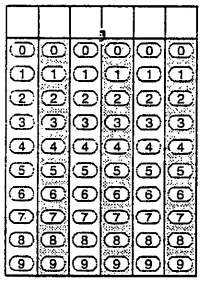
21. **Were you <u>eligible</u> for <u>bonus</u> during calendar year 19**

○ Yes ○ No – Go to 22

If Yes, did you receive a bonus?

○ Yes ○ No – Go to 22

If Yes, please indicate amount $



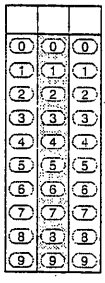
22. **Did you do any <u>consulting</u> in 1999?** Fill in one.

○ Yes ○ No – Go to 25

If yes, how many hours did you consult per month? Fill in <u>one</u>.

- ○ Less than 10 hrs
- ○ 10 - 19 hrs
- ○ 20 - 39 hrs
- ○ 40 - 99 hrs
- ○ 100 o more

23. **If you did any <u>consulting</u>, what was your approxima hourly rate?**



What was your total consulting income during calendar year 1999?

$ _____ Calendar Year 1999

Do you serve as a member of any corporate board of directors?

○ Yes ○ No

My employer pays me fairly in comparison with other employees who have similar duties and responsibilities.

○ Strongly agree ○ Disagree
○ Agree ○ Strongly disagree

My chances for professional advancement within my company or organization are as good as those of other employees with equivalent qualifications and experience.

○ Strongly agree ○ Disagree
○ Agree ○ Strongly disagree

My chances for managerial or administrative advancement within my company or organization are as good as those of other employees with equivalent qualifications and experience.

○ Strongly agree ○ Disagree
○ Agree ○ Strongly disagree

During your professional career, have you ever experienced adverse professional treatment because of your (Mark all that apply):

○ Sex
○ Age
○ Race/Ethnicity
○ Disability

CURRENT OR MOST RECENT PRIMARY JOB

If your most recent employer is not or was not an academic institution, go to Section III. B. Question 36

Academic employer.

Please indicate your current or most recent primary academic employer: Fill in one.

College or university excluding medical schools where the highest degree offered in chemistry or chemical engineering is:

- Associate's ○
- Bachelor's ○
- Master's ○
- Doctorate ○

University medical or professional school ○
High school ○
Other academic, please specify _____ ○

What is or was your academic employer? Fill in one.

○ Public institution ○ Private institution

What is or was your academic rank? Fill in one.

- Full professor ○
- Associate professor ○
- Assistant professor ○
- Visiting or adjunct professor, instructor, lecturer ○
- Non-teaching research appointment ○
- Other non-faculty ○
- My institution does not have ranks ○
- Secondary Teacher ○

33. Have or had you been granted tenure? Fill in one.

- Yes ○
- Not tenured, in tenure track ○
- Not tenured, not in tenure track ○
- Not Applicable ○

34. What is or was your basic contract period? Fill in one.

○ 9 or 10 months ○ 11 or 12 months

35. About what fraction of your total working time in your contract period is or was devoted to: Fill in all that apply.

Teaching, undergraduate		
○ 1-25%	○ 34-50%	○ 67-75%
○ 26-33%	○ 51-66%	○ 76-100%
Teaching, graduate		
○ 1-25%	○ 34-50%	○ 67-75%
○ 26-33%	○ 51-66%	○ 76-100%
Research		
○ 1-25%	○ 34-50%	○ 67-75%
○ 26-33%	○ 51-66%	○ 76-100%
Administration		
○ 1-25%	○ 34-50%	○ 67-75%
○ 26-33%	○ 51-66%	○ 76-100%
Other		
○ 1-25%	○ 34-50%	○ 67-75%
○ 26-33%	○ 51-66%	○ 76-100%

Go to 41

B. Non-academic employer.

36. Please indicate current or most recent principal employer: Fill in one only.

- Self-employed ○
- Non-manufacturing:
  - Analytical service laboratory ○
  - Contract research firm ○
  - Utility company ○
  - Other non-manufacturing, please specify _____ ○
- Manufacturing company primarily involved in:
  - Aerospace ○
  - Agricultural chemicals ○
  - Basic commodity chemicals ○
  - Biochemical products ○
  - Building materials ○
  - Coatings/paints/inks ○
  - Electronics/computers/semiconductors ○
  - Food ○
  - Instruments ○
  - Medical devices/diagnostic products ○
  - Metals/minerals ○
  - Paper ○
  - Personal care ○
  - Petroleum/natural gas ○
  - Pharmaceuticals ○
  - Plastics ○
  - Rubber ○
  - Soaps/detergents/surfactants ○
  - Specialty/fine chemicals ○
  - Textiles ○
  - Other manufacturing, please specify _____ ○
- Government: ○
  - Federal (civilian) ○
  - Military ○
  - State or local ○
  - Other government, please specify _____ ○
- Other non-academic employer:
  - Hospital or independent laboratory ○
  - Non-profit organization, other research institution ○
  - Other non-academic, please specify _____

37. Employer's approximate number of employees (total for the whole organization/parent company):

- Less than 50
- 50 to 99
- 100 to 499
- 500 to 2,499
- 2,500 to 9,999
- 10,000 to 24,999
- 25,000 or more

38. Please indicate the one work function that best describes your job: Fill in one.

- Analytical services, other than forensics
- Chemistry information services
- Computer programming, analysis, design
- Consulting
- Forensic analysis
- General management or administration (other than R&D)
- Health and safety/regulatory affairs
- Marketing, sales, purchasing, technical service, economic evaluation
- Patents, licensing, trademarks
- Production, quality control
- Research and Development:
  - Applied research, development, design
  - Basic research
  - Management or administration of R&D
- Training or teaching
- Other (specify) _____

39. How is your job classified? Fill in one.

- Manager or administrator
- Scientist or engineer
- Chemical or engineering technician
- Other (specify) _____

40. How many people do you supervise, directly or indirectly? Fill in all that apply.

Scientist or engineers

0	10-14	50 or more
1-2	15-29	
3-9	30-49	

Chemical or engineering technicians

0	10-14	50 or more
1-2	15-29	
3-9	30-49	

Others, including production workers

0	10-14	50 or more
1-2	15-29	
3-9	30-49	

41. Is your immediate supervisor a:

Man Woman No supervisor

IV. QUESTIONS ABOUT YOURSELF

42. What is your sex?

Male Female

43. What is your age on March 1, 2000? AGE →

0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9

44. What is your citizenship or visa status? Fill in one.

- U.S. native
- U.S. naturalized
- U.S. permanent resident visa
- Other visa

45. Are you of Hispanic or Latino origin or descent?

Yes No

Fill in the one race with which you most identify, plus the one or more races that you consider yourself to be.

	One most identify	All that apply
White		
Black or African American		
American Indian or Alaskan Native		
Asian Indian		
Chinese		
Japanese		
Korean		
Vietnamese		
Other Asian		
Native Hawaiian or Other Pacific Islander		
Other Race		

_____

46. Your Marital Status:

- Single, never married
- Single, previously married
- Currently married/partnered to a chemist
- Currently married/partnered to a scientist, non-chemist
- Currently married/partnered to a non-scientist

If married/partnered, is spouse/partner working for a paycheck?

Yes No

47. Do you have any dependent children living at home?

Yes No

If yes, please indicate the number of dependent children you have in each category:

	1	2	3	4 or more
Less than 6 years old				
6 to 17 years old				
18 years old or older				

48. Do you have any elder dependents living at home?

Yes No

THANK YOU FOR YOUR PARTICIPATION.
PLEASE RETURN THIS QUESTIONNAIRE IN THE ENVELOPE PROVIDED

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Salaries. The Society surveys annually the ACS membership, gathering detailed information on member chemists and chemical engineers. The reports based on this survey contain statistical tables describing the respondents' employment status, employer, work function and specialty, salaries, and demographic characteristics. Reports are available for each year from 1973 through the current year.

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