The Annual Salary Survey, 1964

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THE ANNUAL SALARY SURVEY

The Annual Salary Survey for 1964 shows a 9% overall increase for 1964-1965 in the number of mathematical staff members at academic institutions, and a general increase in the salaries received in every rank on a staff. Over the last two years, the size of the staffs of universities have grown by an average of 21%. The largest increase, 31% in two years, has occurred in the number of assistant professors in mathematics, whereas the number of instructors has continued to decrease during recent years, with a 6% decrease expected in 1964-1965. One group of schools, however, will be hiring a greater number of instructors in the coming academic year; Group II, defined below, will employ 31% more instructors in 1964-1965 than in 1963-1964.

The basis of the classification of institutions remains the same in the 1964 Survey as in the last two annual surveys. Institutions included in the Survey are divided into two classes, Institutional Non-Members and Institutional Members. The latter are further grouped according to the volume of their mathematical publications in the years from 1959 through 1961. Group I is composed of those institutions which during the three-year period sponsored 37 1/2 or more pages in journals published or subsidized by the Society. Group II is made up of those institutions which contributed fewer than 37 1/2 pages during the same period.

Every institution submitted a minimum, median and maximum salary figure for each of the academic ranks. The data presented here in each of the categories of salary figures is the range of the middle 50% of all of the salary figures received for that category. For example, the data in the following report indicates that the minimum salary of an instructor, with a Ph.D. at an institution in Group I in 1964-1965 is less than $7,000 at 25% of the institutions and greater than $7,800 at 25% of the institutions.

The salaries covered by the Survey are those given by an institution in one fiscal year for a full-time appointment of either nine or twelve months. Grants and contracts are included but sabbatical payments and other part-time salaries are excluded. All salary figures are given in hundreds of dollars.

The information for the 1964 Survey was compiled from usable returns received from 299 institutions reporting on 3504 academic positions in 1963-1964 and 3827 positions predicted for 1964-1965. This Survey is the eighth in an annual series begun in May, 1957 by the Society's Committee on the Economic Status of Teachers.

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INSTITUTIONAL MEMBERS OF THE SOCIETY, GROUP I

Number of usable returns: 73

Total number on the staffs working full time on the campus

RANK	1963-1964	1964-1965
Instructor	155	141
Assistant Professor	582	648
Associate Professor	443	497
Professor	571	628
TOTAL	1751	1914

Salary Survey

RANK	1963-1964			1964-1965		
	Minimum	Median	Maximum	Minimum	Median	Maximum
Instructor	64- 74	70- 75	71- 79	70- 78	71- 80	70- 82
Assistant Professor	73- 81	80- 87	86-100	76- 85	83- 90	90-103
Associate Professor	85-100	95-112	110-125	90-105	102-118	116-131
Professor	106-130	130-158	176-200	113-135	136-170	162-215

INSTITUTIONAL MEMBERS OF THE SOCIETY GROUP II

Number of usable returns: 100

Total number on the staffs working full time on the campus

RANK	1963-1964	1964-1965
Instructor	16	21
Assistant Professor	395	457
Associate Professor	304	330
Professor	314	340
TOTAL	1029	1148

Salary Survey

RANK	1963-1964			1964-1965		
	Minimum	Median	Maximum	Minimum	Median	Maximum
Instructor	56- 71	60- 70	67- 78	61- 76	66- 77	70- 84
Assistant Professor	66- 80	74- 85	80- 90	70- 84	80- 90	85- 95
Associate Professor	80- 96	88-101	92-111	85-100	91-104	100-117
Professor	90-115	107-130	110-140	98-120	111-140	123-155

INSTITUTIONS WHICH ARE NOT MEMBERS OF THE SOCIETY

Number of usable returns: 126

Total number on the staffs working full time on the campus

RANK	1963-1964	1964-1965
Instructor	18	16
Assistant Professor	321	431
Associate Professor	199	253
Professor	86	244
TOTAL	7224	944

Salary Survey

RANK	1963-1964 Minimum	1963-1964 Median	1963-1964 Maximum	1964-1965 Minimum	1964-1965 Median	1964-1965 Maximum
Instructor	50- 64	55- 70	60- 78	50- 64	60- 70	63- 78
Assistant Professor	62- 74	68- 79	72- 86	65- 75	73- 82	75- 90
Associate Professor	72- 90	80- 94	82-105	75- 92	84- 98	86-108
Professor	88-109	91-110	100-130	91-114	98-123	105-140

SUMMARY OF ALL INSTITUTIONS SURVEYED

Number of usable returns: 299

Total number on the staffs working full time on the campus

RANK	1963-1964	1964-1965
Instructor	189	178
Assistant Professor	1298	1462
Associate Professor	946	1018
Professor	1071	1169
TOTAL	3504	3827

Salary Survey

RANK	1963-1964 Minimum	1963-1964 Median	1963-1964 Maximum	1964-1965 Minimum	1964-1965 Median	1964-1965 Maximum
Instructor	60- 70	62- 74	68- 78	60- 72	66- 76	70- 81
Assistant Professor	66- 80	72- 85	77- 91	69- 82	76- 87	82- 96
Associate Professor	80- 95	85-100	91-116	84- 99	90-108	96-120
Professor	94-118	102-140	110-159	100-125	110-143	118-175

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STARTING SALARIES FOR MATHEMATICIANS WITH A Ph.D.

This survey was compiled from questionaires sent to individuals receiving their Ph.D. in mathematics during 1963. 213 usable returns were received.

Academic institutions attracted by far the largest proportion of new Ph.D.'s in mathematics with 72% of the individuals reporting. Of these, 59% were teaching primarily, 22% were doing research primarily, and 18% received fellowship grants. Industry, even with its comparatively higher salaries, attracted only 17% of the new mathematicians with doctorates. 5% went to research institutes, and 6% were employed by the government.

In all categories the North East attracted the greatest percentages of mathematicians, 38% of the total. The Far West was next in popularity, with 21%. The Midwest attracted 19%, and the South 11%. 1% were employed abroad.

62% of the mathematicians reporting had more than 1 year of previous professional experience. 15% had between six months and one year of experience and 16% had less than six months of experience.

UNIVERSITIES, COLLEGES AND TECHNICAL INSTITUTES (Nine Month Salary)

	TEACHING			RESEARCH		
Year	Minimum	Median	Maximum	Minimum	Median	Maximum
1960	$4,900	$6,500	$8,000	$5,200	$6,500	$8,000
1961	4,500	6,300	8,200	4,800	6,500	9,000
1962	4,300	7,000	9,200	4,500	6,500	9,000
1963	4,500	7,200	9,500	4,500	6,800	9,800
1964	4,100	7,900	11,000	6,000	7,200	10,500

FELLOWSHIP (Yearly Stipend)

Year	Minimum Salary	Median Salary	Maximum Salary
1963	$4,500	$6,500	$9,000
1964	4,000	6,000	8,500

INDUSTRY (Twelve Month Salary)

Year	Minimum Salary	Median Salary	Maximum Salary
1960	$7,800	$11,000	$15,000
1961	8,700	11,000	17,400
1962	9,000	11,500	16,200
1963	10,500	12,000	18,500
1964	10,400	13,200	16,800

RESEARCH INSTITUTES (Twelve Month Salary)

Year	Minimum Salary	Median Salary	Maximum Salary
1960	$9,700	$10,500	$14,000
1961	8,400	11,000	14,200
1962	6,000	10,000	14,500
1963	5,500	11,700	13,500
1964	9,000	11,800	17,000

GOVERNMENT (Twelve Month Salary)

Year	Minimum Salary	Median Salary	Maximum Salary
1960	$7,200	$9,300	$13,000
1961	7,800	8,900	16,000
1962	8,800	10,700	14,300
1963	10,100	11,200	15,000
1964	7,000	9,900	16,700