

## THE ANNUAL SALARY SURVEY

The 1963 Salary Survey is the seventh in an annual series of surveys of academic institutions initiated in May 1957 by the Society's Committee on the Economic Status of Teachers. This year usable returns were received from 282 institutions reporting on 2831 academic positions in 1962-1963 and 3176 positions at the same institutions in 1963-1964. There has been a 12.2% average increase in the staffs of the institutions reporting, with the greatest percentage of increase, 15%, occurring in the staffs of those institutional members in group I, as defined below. The corresponding increases last year were 8.6% and 10.7% respectively.

The system of tabulation used in this report is based on institutional membership in the Society, since this provides a basis for classifying institutions according to their mathematical activity.

This survey thus classifies institutions into two major types: Institutional Members and Non-Institutional Members. Members are in turn divided into two groups: (1) those which in the three-year period from 1959 to 1961 sponsored 37 1/2 or more pages in journals published or subsidized by the Society, and (2) those which contributed less than 37 1/2 pages in the three-year period.

The salaries covered by the survey are based on an academic year (9 to 10 months). It was indicated in the questionnaire that by 'salary' is meant the payment by the school to the individual for a full-time appointment. 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 salary information obtained from each institution is the minimum, medium, and maximum salary for each academic rank. In the report, intervals are specified which contain the middle 50% of data received from each group. For example, among the 61 institutions in Group I, the following report states that the minimum salary of instructors with a Ph.D. in 1963-1964 is less than \$6600 at 25% of the institutions and greater than \$7400 at 25% of the institutions.

INSTITUTIONAL MEMBERS OF THE SOCIETY "I"

Number of usable returns: 61

Total number on the staffs working full time on the campus

<u>RANK</u>	<u>1962-1963</u>	<u>1963-1964</u>
Instructor		
(only those holding Ph.D.)	103	102
Assistant Professor	401	482
Associate Professor	340	388
Professor	456	523
<b>TOTAL</b>	<b>1300</b>	<b>1495</b>

Salary Survey

<u>RANK</u>	<u>1962-1963</u>			<u>1963-1964</u>		
	<u>Minimum</u>	<u>Median</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Median</u>	<u>Maximum</u>
Instructor						
(only those holding Ph.D.)	60- 67	65- 70	67- 70	66- 74	67- 75	67- 80
Assistant Professor	70- 78	76- 83	82- 92	74- 80	80- 85	87- 98
Associate Professor	85- 95	92-105	100-117	88-100	99-113	110-125
Professor	106-124	125-150	145-190	112-127	130-167	160-200

INSTITUTIONAL MEMBERS OF THE SOCIETY "II"

Number of usable returns: 91

Total number on the staffs working full time on the campus

<u>RANK</u>	<u>1962-1963</u>	<u>1963-1964</u>
Instructor		
(only those holding Ph.D.)	13	13
Assistant Professor	323	375
Associate Professor	257	250
Professor	245	283
<b>TOTAL</b>	<b>838</b>	<b>921</b>

Salary Survey

<u>RANK</u>	<u>1962-1963</u>			<u>1963-1964</u>		
	<u>Minimum</u>	<u>Median</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Median</u>	<u>Maximum</u>
Instructor						
(only those holding Ph.D.)	60- 63	60- 65	63- 75	60- 67	63- 69	70- 76
Assistant Professor	65- 74	71- 80	76- 90	68- 78	75- 84	80- 92
Associate Professor	77- 90	84- 94	90-105	82- 95	89-104	92-112
Professor	90-110	100-123	107-140	95-117	104-130	117-150

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NON-INSTITUTIONAL MEMBERS

Number of usable returns: 130

Total number of the staffs working full time on the campus

<u>RANK</u>	<u>1962-1963</u>	<u>1963-1964</u>
Instructor (only those holding Ph.D.)	12	7
Assistant Professor	287	332
Associate Professor	181	202
Professor	213	219
<b>TOTAL</b>	<b>693</b>	<b>760</b>

Salary Survey

<u>RANK</u>	<u>1962-1963</u>			<u>1963-1964</u>		
	<u>Minimum</u>	<u>Median</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Median</u>	<u>Maximum</u>
Instructor (only those holding Ph.D.)	51- 61	54- 66	60- 73	50- 64	60- 69	65- 75
Assistant Professor	53- 72	65- 76	70- 84	62- 74	68- 80	74- 88
Associate Professor	64- 88	76- 91	80- 98	73- 88	80- 96	85-107
Professor	83-105	90-111	93-130	88-106	95-118	100-131

SUMMARY OF ALL INSTITUTIONS SURVEYED

Number of usable returns: 282

Total number on the staffs working full time on the campus

<u>RANK</u>	<u>1962-1963</u>	<u>1963-1964</u>
Instructor (only those holding Ph.D.)	128	122
Assistant Professor	1011	1189
Associate Professor	778	840
Professor	914	1025
<b>TOTAL</b>	<b>2831</b>	<b>3176</b>

Salary Survey

<u>RANK</u>	<u>1962-1963</u>			<u>1963-1964</u>		
	<u>Minimum</u>	<u>Median</u>	<u>Maximum</u>	<u>Minimum</u>	<u>Median</u>	<u>Maximum</u>
Instructor (only those holding Ph.D.)	55- 65	60- 69	65- 73	57- 70	60- 70	67- 76
Assistant Professor	63- 75	70- 80	75- 88	66- 78	73- 85	80- 93
Associate Professor	74- 90	82- 98	87-109	79- 97	87-105	92-116
Professor	89-115	95-125	105-145	94-120	103-136	110-168

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## STARTING SALARIES FOR MATHEMATICIANS WITH A Ph.D

This is the fourth annual Survey of Starting Salaries of graduates with the Ph.D. degree in mathematics. The figures are based on 216 usable replies to 320 questionnaires sent to individuals receiving the Ph.D. degree in mathematics during the past year. Last year 308 questionnaires were sent and 228 usable replies were received.

Of the 216 Ph.D.'s reporting, 185 took employment in academic institutions; 163 in teaching, research, or both in universities, colleges and technical institutes; 9 in research institutes; 13 receiving fellowship grants. Fellowship grants are reported in the Survey for the first time. Industry and government employed 26 and 5 respectively of the new Ph.D.'s. Last year there were 45 employed by industry.

Thirty-one reported less than 1/2 year previous professional work experience; 30 reported between 1/2 and 1 year; and 150 reported more than 1 year of work experience before receiving the Ph.D.

Geographically, the heaviest concentration of new appointments of mathematicians is again in the North East, with 39.9 per cent; the Mid West has 24.4 per cent; the Far West 22.4 per cent; the South 10.7 per cent; and 1.8 per cent were employed abroad.

### UNIVERSITIES, COLLEGES AND TECHNICAL INSTITUTES (Nine Month Salary)

Year	TEACHING			RESEARCH		
	Minimum	Median	Maximum	Minimum	Median	Maximum
1959	\$5,000	\$6,300	\$7,600	\$5,000	\$6,000	\$7,700
1960	4,900	6,500	8,000	5,200	6,500	8,000
1961	4,500	6,300	8,250	4,800	6,500	9,000
1962	4,320	7,000	9,250	4,500	6,500	9,000
1963	4,500	7,200	9,500	4,500	6,800	9,810

### FELLOWSHIP (Yearly Stipend)

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

### INDUSTRY (Twelve Month Salary)

Year	Minimum Salary	Median Salary	Maximum Salary
1959	\$7,800	\$10,500	\$16,000
1960	7,800	11,000	15,000
1961	8,700	11,000	17,400
1962	9,000	11,500	16,200
1963	10,536	12,000	18,500

### RESEARCH INSTITUTES (Twelve Month Salary)

Year	Minimum Salary	Median Salary	Maximum Salary
1959	\$6,900	\$9,500	\$14,000
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

### GOVERNMENT (Twelve Month Salary)

Year	Minimum Salary	Median Salary	Maximum Salary
1959	\$8,800	\$10,200	\$13,000
1960	7,200	9,300	13,000
1961	7,780	8,900	16,000
1962	8,800	10,700	14,300
1963	10,135	11,155	15,000