

'67 Oct. Notices

## Annual Salary Survey

This year's Annual Salary Survey is based on returns from 396 departments in mathematics and the mathematical sciences, covering 5350 academic positions held in 1966-1967 and 5865 positions held in 1967-1968.

The basis of the classification of institutions remains the same as in previous Annual Salary Surveys. Institutions are divided into two classes, Institutional Members and Institutional Non-Members. Institutional Members are further divided into Group I and Group II according to the volume of their mathematical publications in the years 1959 through 1961. Group I is composed of institutions which during that time sponsored 37 1/2 or more pages in journals published or subsidized by the Society. Group II comprises those institutions which sponsored fewer than 37 1/2 pages during the same period.

Each institution submitted a minimum, median, and maximum salary figure for each of four academic ranks, both for staff members with master's degrees and for those with doctorates, creating 48 categories of salary figures. However, so few universities and colleges in Group I reported professors with master's degrees that the samples were not large enough to yield significant figures, and there are no salaries reported for these groups; the same is true for instructors with Ph.D. degrees in Group II and institutions which are not members of the Society.

The data presented here in each of the categories is in the range of the middle 50 percent of all salary figures received for that category. For example, the data in the following reports shows that the minimum salary during 1966-1967 for a Group I instructor with a doctorate ranges from \$7700 to \$8500, indicating that salaries in this category are greater than \$8500 at 25% of the institutions reporting and less than \$7700 at 25% of these institutions.

All salaries refer to an academic year of 9 or 10 months. Grants and contracts are included but sabbatical payments and other part-time salaries are not.

This survey is the eleventh in an annual series begun in 1957 by the Society's Committee on the Economic Status of Teachers.

### INSTITUTIONAL MEMBERS OF THE SOCIETY, Group I

Numbers of Usable Returns: 61

MASTER'S DEGREE	Total Number of Staff Members		SALARIES (hundreds of dollars)					
	1966-1967	1967-1968	1966-1967			1967-1968		
			Minimum	Median	Maximum	Minimum	Median	Maximum
Instructor	98	93	60-74	70-78	72-84	65-78	70-90	75-90
Asst. Professor	43	50	80-95	86-96	90-106	90-94	88-110	92-110
Assoc. Professor	38	40	92-111	107-112	111-140	94-122	110-128	116-154
Professor	40	43	---	---	---	---	---	---
	219	226						
<u>DOCTORAL DEGREES</u>								
Instructor	67	70	77-85	78-85	82-90	80-92	82-90	85-92
Asst. Professor	552	641	87-95	94-99	100-117	92-100	100-108	110-121
Assoc. Professor	339	349	107-122	119-137	130-155	114-134	127-145	143-166
Professor	480	531	139-158	166-197	200-250	145-169	177-200	220-270
	1438	1591						

INSTITUTIONAL MEMBERS OF THE SOCIETY, Group II

Number of Usable Returns: 84

MASTER'S DEGREE	Total Number of Staff Members		SALARIES (hundreds of dollars)					
	1966-1967	1967-1968	1966-1967			1967-1968		
			Minimum	Median	Maximum	Minimum	Median	Maximum
Instructor	293	272	60-74	66-76	70-84	65-76	71-79	75-85
Asst. Professor	199	198	74-82	76-90	80-98	74-90	78-96	88-104
Assoc. Professor	106	116	89-100	95-109	95-120	92-110	98-116	100-126
Professor	30	30	102-132	104-140	120-142	106-136	110-136	116-148
	628	616						

DOCTORAL DEGREES

Instructor	3	5	---	---	---	---	---	---
Asst. Professor	273	332	87-95	94-105	100-112	90-100	98-109	106-120
Assoc. Professor	250	296	101-115	106-125	115-140	105-124	115-130	121-145
Professor	271	309	123-145	131-169	142-189	130-154	140-177	150-208
	797	942						

INSTITUTIONS WHICH ARE NOT MEMBERS OF THE SOCIETY

Number of Usable Returns: 251

MASTER'S DEGREE	Total Number of Staff Members		SALARIES (hundreds of dollars)					
	1966-1967	1967-1968	1966-1967			1967-1968		
			Minimum	Median	Maximum	Minimum	Median	Maximum
Instructor	638	662	60-72	66-76	70-82	65-74	70-80	73-87
Asst. Professor	581	639	72-84	78-88	82-98	74-86	80-92	88-104
Assoc. Professor	225	242	86-100	88-108	92-115	88-107	92-114	100-120
Professor	73	86	100-125	105-138	108-144	104-128	114-144	117-158
	1517	1629						

DOCTORAL DEGREES

Instructor	8	6	---	---	---	---	---	---
Asst. Professor	236	272	82-98	88-102	90-111	88-102	94-108	96-118
Assoc. Professor	183	228	94-114	96-120	104-135	102-120	103-126	110-140
Professor	324	355	108-136	117-145	120-155	114-145	121-155	130-164
	751	861						

SUMMARY OF ALL INSTITUTIONS SURVEYED

Number of Usable Returns: 396

MASTER'S DEGREE	Total Number of Staff Members		SALARIES (hundreds of dollars)					
	1966-1967	1967-1968	1966-1967			1967-1968		
			Minimum	Median	Maximum	Minimum	Median	Maximum
Instructor	1029	1027	60-72	66-76	70-84	65-75	70-80	74-88
Asst. Professor	823	887	72-84	78-88	82-98	74-88	80-94	88-104
Assoc. Professor	369	398	88-100	90-108	95-116	90-108	96-116	100-124
Professor	143	159	100-128	105-141	108-150	106-133	116-150	117-160
	2364	2471						

DOCTORAL DEGREES

Instructor	78	81	70-82	75-82	80-96	76-90	80-95	82-95
Asst. Professor	1061	1245	85-96	91-102	97-112	90-100	97-108	104-120
Assoc. Professor	772	873	100-115	104-127	114-143	105-124	110-132	120-150
Professor	1075	1195	118-145	125-173	130-202	126-154	134-180	140-220
	2986	3394						

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1966?

## Starting Salaries For Mathematicians with a Ph. D.

This survey is compiled from questionnaires sent to 847 individuals who received their Ph.D. in mathematics during 1966. There were 506 usable returns; in addition 13 people accepted positions abroad and are not part of the study because salaries are not comparable.

The academic life attracted the largest proportion of the Ph.D.'s in mathematics, 84% of the total reporting. Of these, 73% were primarily engaged in teaching, 10% in research, 14% in a combination of teaching and research, and 3% were on fellowships.

Universities rather than colleges attracted the greater number of Ph.D.'s, taking more than three quarters of the new Ph.D.'s in teaching.

Industry attracted only 11% of the Ph.D.'s reporting in spite of the significantly higher salaries. Only 2% reported taking jobs with the government and 3% in research institutions.

Geographically 33% accepted jobs in the northeast, 18% in the south, 22% in the midwest, 8% in the mountain states, 17% in the far west, and 3% in Canada. None of these figures are comparable with prior studies because the areas were changed to conform with those used in the Mathematical Sciences Employment Register and, for the first time, a map was included on the questionnaire to define the areas.

The great majority of the Ph.D.'s reporting had some degree of experience before receiving their doctorate. 54% had more than a year's experience, 17% had between 1/2 year and a year, and 29% had less than 1/2 year's experience in their field prior to the first postdoctoral appointment.

It is of interest to note that the first category listed below (Teaching, Nine month salary) represents 59% of all positions in the survey; the other eleven categories contain a total of only 41%. All salaries listed are in hundreds of dollars.

TEACHING (Nine Month Salary)			
Year	Min.	Median	Max.
1962	43	70	92
1963	45	72	95
1964	41	79	110
1965	54	82	115
1966	60	89	120
1967	70	93	120

RESEARCH (Nine Month Salary)			
Year	Min.	Median	Max.
1962	45	65	90
1963	45	68	98
1964	60	72	105
1965	71	81	90
1966	72	84	96
1967	78	93	108

FELLOWSHIP (Yearly Stipend)			
Year	Min.	Median	Max.
1963	45	65	90
1964	40	60	85
1965	55	65	91
1966	60	81	90
1967	40	80	120

TEACHING AND RESEARCH (Nine Month Salary)			
Year	Min.	Median	Max.
1965	70	80	105
1966	73	89	120
1967	75	90	105

RESEARCH (Twelve Month Salary)			
Year	Min.	Median	Max.
1965	81	93	107
1966	75	90	120
1967	80	101	130

TEACHING (Twelve Month Salary)			
Year	Min.	Median	Max.
1965	78	104	121
1966	80	105	129
1967	85	112	150

INDUSTRY (Twelve Month Salary)			
Year	Min.	Median	Max.
1962	90	115	162
1963	105	120	185
1964	104	132	168
1965	100	136	180
1966	103	137	170
1967	125	145	200

RESEARCH INSTITUTES (Twelve Month Salary)			
Year	Min.	Median	Max.
1962	60	100	145
1963	55	117	135
1964	90	118	170
1965	75	94	121
1966	68	135	190
1967	60	120	150

GOVERNMENT (Twelve Month Salary)			
Year	Min.	Median	Max.
1962	88	107	143
1963	101	112	150
1964	70	99	167
1965	70	126	160
1966	78	109	150
1967	84	111	161