

## THE ANNUAL SALARY SURVEY

This year's Annual Salary Survey is based on returns from 508 departments in mathematics and the mathematical sciences, covering 6,653 academic positions held in 1967-1968 and 7,456 positions held in 1968-1969.

The basis for classifying institutions has changed this year. Institutions have been divided into four groups according to the highest degree offered in mathematics.

- (1) Ph.D. Granting Institutions
- (2) Institutions granting a master's degree in mathematics as its highest degree.
- (3) Institutions granting a bachelor's degree in mathematics as its highest degree.
- (4) Junior colleges and other institutions offering courses but not degrees in mathematics.

The Ph.D. granting universities have been subdivided into four groups. Groups I and II include the universities with leading mathematics departments according to the findings of a survey made by the American Council of Education in 1964\* in which departments were rated according to the quality of their graduate faculty. Group I is composed of institutions that were considered "Distinguished" and "Strong"; Group II are those considered "Good" and "Adequate Plus." Groups III and IV consist of all of the remaining Ph.D. granting institutions; Group III including those universities that have granted three or more doctorates during the last three years; and Group IV consist-

ing of institutions that have granted two or less doctorates during the last three years. The number of doctorates granted by universities was determined from the lists published in these *Notices*.

All Canadian universities maintaining Ph.D. granting programs are included in Groups III and IV.

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. In some instances relatively few universities or colleges reported, and in as much as there were no significant figures available, salaries could not be listed.

The data presented in the following two pages gives the minimum, and maximum salary in each of the categories. In addition, it presents the middle 50% of all the salary figures that were received for that category. In each set of four figures, the first figure is the minimum salary reported in that group. The two figures in parentheses represent the range of the middle 50% of salaries reported, and the fourth and final figure gives the maximum salary in that group. Salaries are given in "hundreds of dollars."

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 twelfth in an annual series begun in 1957 by the Society's Committee on the Economic Status of Teachers.

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\*The findings were published in a book by Allan Cartter entitled "An Assessment of Quality in Graduate Education." The information on mathematics was reprinted by the Society and can be found on pages 978-980 of the December 1966 issue of these *Notices*.

Number of Usable Returns: 23

**PH. D. GRANTING INSTITUTIONS. Group I**

	Total Number of Staff Members		SALARIES (hundreds of dollars)				Number of Usable Returns: 23
	1967-1968	1968-1969	Minimum	Median	Maximum	1968-1969 Median	
<b>DOCTORAL DEGREE</b>							
Instructor	79	80	72(82-87)90	78(85-90)95	82(85-93)95	79(85-90)98	80(87-96)99
Asst. Professor	272	268	75(90-98)120	92(97-102)110	102(109-118)139	79(95-100)125	102(115-120)138
Assoc. Professor	162	183	99(114-130)140	118(125-131)150	127(142-157)175	108(119-130)150	132(141-155)180
Professor	318	331	130(145-164)180	160(185-200)230	215(230-270)322	134(150-170)195	230(245-290)338
	<u>831</u>	<u>862</u>					

**PH. D. GRANTING INSTITUTIONS. Group II**

	Total Number	1968-1969	SALARIES (hundreds of dollars)				Number of Usable Returns: 24
			Minimum	Median	Maximum	1968-1969 Median	
<b>MASTER'S DEGREE</b>							
Instructor	31	36	60(68-80)87	68(75-84)113	68(80-89)110	68(75-90)100	68(93-105)125
<b>DOCTORAL DEGREE</b>							
Instructor	12	22	85(92-98)115	100(104-110)130	105(112-127)143	90(96-105)130	104(120-133)180
Asst. Professor	262	293	96(115-128)145	120(130-138)150	135(143-165)186	104(120-130)170	140(148-170)185
Assoc. Professor	163	191	105(150-170)183	170(185-200)245	200(233-255)282	135(150-180)206	191(245-271)290
Professor	220	241				171(195-206)258	
	<u>657</u>	<u>747</u>					

**PH. D. GRANTING INSTITUTIONS. Group III**

	Total Number	1968-1969	SALARIES (hundreds of dollars)				Number of Usable Returns: 57
			Minimum	Median	Maximum	1968-1969 Median	
<b>MASTER'S DEGREE</b>							
Instructor	183	180	40(60-73)90	52(68-84)100	65(73-88)116	40(66-87)104	65(80-93)121
Asst. Professor	46	45	67(80-92)111	70(80-100)111	78(96-107)116	75(85-110)120	85(91-111)141
Assoc. Professor	35	33	83(92-113)115	83(100-125)169	100(118-135)180	91(110-130)180	110(123-143)180
Professor	6	6					
	<u>270</u>	<u>264</u>					
<b>DOCTORAL DEGREE</b>							
Instructor	9	7	82(95-100)135	90(100-106)120	93(110-117)145	83(97-105)145	98(117-125)155
Asst. Professor	407	481	85(107-124)175	95(123-135)177	112(138-160)196	40(114-133)155	116(141-165)205
Assoc. Professor	294	308	108(139-157)190	124(163-187)218	124(200-225)320	109(131-145)170	132(210-240)340
Professor	311	351				117(145-169)221	
	<u>1021</u>	<u>1411</u>					

**PH. D. GRANTING INSTITUTIONS. Group IV**

	Total Number	1968-1969	SALARIES (hundreds of dollars)				Number of Usable Returns: 29
			Minimum	Median	Maximum	1968-1969 Median	
<b>MASTER'S DEGREE</b>							
Instructor	91	80	50(60-74)78	50(72-83)95	65(75-87)108	54(67-80)109	65(80-95)112
Asst. Professor	56	58	66(81-90)99	79(85-96)109	82(94-99)120	75(85-95)108	82(99-106)127
Assoc. Professor	31	29	70(93-93)125	86(111-120)144	90(120-136)167	83(103-122)136	90(130-150)176
Professor	13	11					
	<u>191</u>	<u>178</u>					



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## Starting Salary for Mathematicians with a Ph. D.

This survey was compiled from questionnaires sent to 733 individuals who received the Ph.D. in mathematics during the academic year 1967-1968. There were 515 usable returns.

The academic life attracted 82% of those reporting; of these, 63% were primarily engaged in teaching, 8% in research, and 9% in a combination of teaching and research.

Industry attracted only 12% of those reporting; 4% were connected with research institutes and 4% by government.

Geographically 34% accepted jobs in the northeast, 22% in the south, 22% in the midwest, 7% in the mountain states, 12% in the far west and 3% in Canada.

The greater majority of Ph.D.'s had experience in their fields prior to receiving their doctorates, 52% had more than a year of experience, 16% had between 1/2 and a year, and 32% had less than 1 year of experience.

It should be noted that the first category listed below (teaching, nine-month salary) represents 60% of all positions reported in the survey. Salaries reported on a nine-month basis represent 75% of those responding; of these, two-thirds accepted salaries in the range of \$9,500 to \$11,000, with approximately an equal number accepting salaries lower and higher than these amounts.

Salaries are listed in hundreds of dollars. Dashes indicate that not enough returns were received to warrant including the salary figures.

TEACHING (Nine-Month Salary)				RESEARCH (Nine-Month Salary)				FELLOWSHIP (Yearly Stipend)			
Year	Min.	Median	Max.	Year	Min.	Median	Max.	Year	Min.	Median	Max.
1965	54	82	115	1965	71	81	90	1965	55	65	91
1966	60	89	120	1966	72	84	96	1966	60	81	90
*1967	70	93	120	*1967	78	93	108	*1967	40	80	120
**1967	65	96	140	**1967	70	93	103	**1967	60	85	100
1968	72	102	170	1968	78	100	115	1968	--	--	---

  

TEACHING AND RESEARCH (Nine-Month Salary)				RESEARCH (Twelve-Month Salary)				TEACHING (Twelve-Month Salary)			
Year	Min.	Median	Max.	Year	Min.	Median	Max.	Year	Min.	Median	Max.
1965	70	80	105	1965	81	93	107	1965	78	104	121
1966	73	89	120	1966	75	90	120	1966	80	105	129
*1967	75	90	105	*1967	80	101	130	*1967	85	112	150
**1967	--	--	---	**1967	80	105	132	**1967	83	122	200
1968	78	100	130	1968	80	100	134	1968	95	120	180

  

INDUSTRY (Twelve-Month Salary)				RESEARCH INSTITUTES (Twelve-Month Salary)				GOVERNMENT (Twelve-Month Salary)			
Year	Min.	Median	Max.	Year	Min.	Median	Max.	Year	Min.	Median	Max.
1965	100	136	180	1965	75	94	121	1965	70	126	160
1966	103	137	170	1966	68	135	190	1966	78	109	150
*1967	125	145	200	*1967	60	120	150	*1967	84	111	161
**1967	97	151	204	**1967	60	135	215	**1967	--	---	---
1968	110	156	248	1968	120	157	192	1968	85	134	170

\*These figures represent the survey compiled from returns sent in by individuals who received their doctorates in 1966.

\*\*These figures represent the survey compiled from returns sent in by individuals who received their doctorates during the first six months of 1967