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# **SEVENTEENTH**

## ANNUAL AMS SURVEY

This is a reprint of the first of three articles that appeared in the *Notices of the American Mathematical Society* in October, November, and December 1973. Reprints of the other two articles are available upon request.

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## SEVENTEENTH ANNUAL AMS SURVEY

The information on the following page is the first part of a report on the Seventeenth Annual AMS Survey. A further report will appear in the November issue of these Choices.

As has been the practice for several years, questionnaires were sent this year to departments in the mathematical sciences, asking for information on salaries. The two-year colleges were sent a form which allowed them to report salaries without regard to academic rank, because many of the junior colleges do not rank their teaching staffs. These results are included in a listing under "two-year colleges". For the reports on salaries and on graduate student support, the departments are divided into groups according to the highest degree offered in the mathematical sciences.

The Doctorate granting departments are now in six, rather than four groups. In past Surveys the mathematics departments and other departments in the mathematical sciences have been grouped together; this year they have been separated. In this year's Survey the Canadian universities are in a group of their own, rather than in groups with U.S.A. universities; all doctorategranting Canadian departments in the mathematical sciences are in the same group as departments of mathematics. The new groupings are as follows:

Group I and Group II include the leading departments of mathematics according to the findings of the American Council of Education in 1969\* in which departments were ranked according to the quality of their graduate faculty. Group

I is composed of the 27 departments ranked highest; Group II is made up of the other 38 leading departments listed in that report.

Group III contains all other U.S.A. departments of mathematics.

Group IV includes departments of statistics, biostatistics and biometrics.

 $\underline{\text{Group }V}$  includes all other departments in the mathematics sciences.

 $\underline{\text{Group VI}}$  consists of all departments in the mathematical sciences from Canadian universities.

The total number of departments in the mathematical sciences in the various groups are given below. Only doctorate granting Canadian departments are grouped separately, the two-year colleges and those granting bachelor and master degrees are included with U.S. departments

| Type of Department        | Number of Departments |
|---------------------------|-----------------------|
| <b>Doctorate Granting</b> |                       |
| Group I                   | 27                    |
| Group II                  | 38                    |
| Group III                 | 89                    |
| Group IV                  | 60                    |
| Group V                   | 88                    |
| Group VI                  | _33 335               |
| Master Degree Granti      | ng 310                |
| Bachelor Degree Gran      | ting 1,080            |
| Two-Year Colleges         | 780                   |
| Total                     | 2,505                 |

### **Faculty Salaries**

This Survey is the seventeenth in an annual series begun in 1957 by the Society's Committee on the Economic Status of Teachers. The present Survey is under the direction of the Committee on Employment and Educational Policy.

Departments submitted a minimum, median, and maximum salary figure for each of four academic ranks, both for staff members with and without doctorates, creating forty-eight categories of salary figures. In some categories, relatively few departments reported and, inasmuch as there were no significant figures available, salaries are not listed. This year's Survey for the first time contains figures on the number of women faculty members and the number of staff members with tenure; these are given by academic rank.

The 1973 Survey is based on returns from 806 departments in the mathematical sciences;

the departments include 104 two-year colleges which do not classify staff according to academic rank.

NUMBER OF FACULTY POSITIONS REPRESENTED IN SALARY SURVEY

1972-1973 1973-1974

#### Doctorate, Master and Bachelor Granting Departments Total Faculty 8179 8189 With Tenure 4709 5030 Women 699 701 With Tenure 354 370 Two-Year Colleges Total Faculty 1184 1180 With Tenure 759 776

<sup>\*</sup>The findings were published in "A Rating of Graduate Programs" by Kenneth D. Roose and Charles J. Anderson, American Council of Education, Washington, D.C., 1969, 115 pp. The information on mathematics was reprinted by the Society and can be found on pages 338-340 of the February 1971 issue of these Notices.

The data in the parentheses give the range of the middle fifty percent of salaries reported. The figures outside the parentheses represent the minimum and maximum salary listed by any reporting institution.

| 1972—1972—1972—1972—1972—1972—197   With   Total Tenure   Total | SALARIES   | (in hundreds of dollars) | 1972—1973 | e Minimum Median Maximum Minimum Median Maximum | Minimum M. J. | 1972—1973 | 1972—1973 | 1972—1973 | 1972—1973 | 1972—1973 | 1972—1973 | 1972—1973   | 1972—1973                                    | 1972—1973 | 1972—1973 | 1972—1973 | 1972—1973 | 19/2—19/3 | 17.6—17.3 |      |      |          | Minimum Madine Menimum | Minimum Median Maximum Minimum Median | Minimum Median Maximum Minimum Median | Minimum Median Maximum Minimum Median | Number of Usable Returns: 1 |            |          | 7100 115   | (611-801) (611-601)001 (671-601) (671-601) | (118-126) $(128-148)160$ $110(114-120)$ | 125(136-146) (152-160) (169-182)207 132(135-152) (154-167) (174-198)21 | (230-256) (325-345)385 158(174-196) (240-268) |     | Mushow of Hankly Detumen. 9 | Name of Osable Metalins: A |           | 64(81-113) (89-113) (99-120)142 80(97-115) (100-115) (107-115)14 |                |          |            | 87(110-120) (118-132) (133-146)192 90(110-120) (124-135) (135-151)19 | (170-188)242 114(137-148) (154-166) | (919-940) (978-330)435 -440/171-199) (916-948) | (000 000) (000 000) (000 000) (000 000) | Number of Usable Returns: 5 |           | 70/89_07) /84_100\ /00_100\ 70/89_00\ /00_100\ / | (104-105) (20-100)123 (106-23) (03-103) | (104-101) (104-101) 147 (106-101) (106-101) | (174-122) (174-107)100 111(179-122) (170-128) | 136(150-171) $(150-171)$ $(150-199)305$ $136(163-182)$ $(175-200)$ $(175-219)32$ |     |          | (94-105)   | (121-130) (133-145)174 81(110-123) (127-134) | 101.01 COL. COL. COL. COL. COL. COL. COL. COL. |
|---|------------|--------------------------|-----------|---|---------------|-----------|-----------|-----------|-----------|-----------|-----------|---|--|-----------|-----------|-----------|-----------|-----------|-----------|------|------|----------|------------------------|---------------------------------------|---------------------------------------|---------------------------------------|-----------------------------|------------|----------|------------|--|---|--|---|-----|-----------------------------|----------------------------|-----------|--|----------------|----------|------------|--|-------------------------------------|--|---|-----------------------------|-----------|--|---|---|---|--|-----|----------|------------|--|--|
| 22 - 197 W DEPAR 199 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9  | OF FACULTY | 1973—                    | FACU      | Total   |               |           | TACE      | FACU      | FACU      | FACU      | FACE      | TAC.  | TAC.   | TAC       | TACE      | 2         |           |           |           |      |      | 31 19622 | ,                      | Total                                 | Total                                 | Total                                 | S. Group I                  |            |          |            | •  | Ter                                     | 204  | 436   | 829 | ll change                   | . 0000                     |           | 35   |                |          | 28         | 337  | 322 2                               | 357  | 1044                                    | S. Group III                |           | 77 17  | 63                                      | 49  | 6   | 0000   | 607 |          | 22         | 462  | 484  |
| 1972   FACULTY   With   Total   Tenure   WITH DOCTORATE   ASS. Prof. 174   4 ASSO. Prof. 188   179   Professor   422  | SIZE       | -1973                    | WOMEN     | Total   | 10            | W.        | MOMEN     | WOMEN     | WOMEN     | WOMEN     | WOMEN     | NOMEN AND ADDRESS OF THE PARTY | NOMEN AND AND AND AND AND AND AND AND AND AN | MOMEN     | WOMEN     | NO.       | WE        | WG.       | With      | With | With |          |                        | Total                                 | Total                                 | Total                                 | DEPARTMENT                  |            |          | 2 0        |  | 11                                      | œ  | 2   | 26  | DEPAPTMENT                  |                            |           | 16   |                |          | 1 0        | 17   | 11                                  | G  | 38                                      | <b>JEPARTMENT</b>           |           | 7 9.6  | 25                                      | , r   | ,   | 1 2  | 5   |          |            |  |  |
| DOCTORAI WITH DOC Instructor Asso. Prof Asso. Prof Asso. Prof DOCTORAI WITH DOC Instructor Asst. Prof Asso. Prof Asso. Prof Asso. Prof Asst. Prof Asst. Prof Asst. Prof Asst. Prof Asst. Prof Asso. Prof Asst. Prof Asst. Prof Asso. Prof Professor WITH DOC Instructor Asst. Prof Asso. Prof  |            | 1972                     | FACULTY   | With<br>Total Tenure                            | With          | With      | FACOLIT   | FACULTY   | FACULTY   | FACULTY   | FACULTY   | TACOLIT   | יאכיור                                       | TACOLLY   | FACOLIT   | West      | Wesh      | Wish      | With      | With | With | MIIM     |                        | Total Tanner                          | Total Tenure                          | Total Tenure                          | TE GRANTING L               | THOU A THE | TORATE   |            | 17.4                                       | 104                                     | 188  | 422   |     | TE GRANTING                 |                            | DOCTORATE |  | 100            | TORATE   |            | 384  | 295                                 | 349  | 1046                                    | TE GRANTING L               | DOCTORATE | 97 19  | 69                                      | 15  | 7.0   |  |     | TORATE   | 20         | 206  | 451  |
|   |            |                          |           |   |               |           |           |           |           |           |           |   |  |           |           |           |           |           |           |      |      |          |                        |                                       |                                       |                                       | DOCTORAT                    | THE POOL   | WITH DOC | Instructor | Acet Dunf                                  | hast, Flui                              | ASSO, Prof   | Professor                                     |     | DOCTORAT                    |                            | WITHOUT   | Instructor   | COG MANAGEMENT | WITH DOC | Instructor | Asst. Prof   | Asso. Prof                          | Professor                                      |   | DOCTORAT                    | WITHOIIT  | Instructor   | Asst Prof                               | Asso Prof                                   | Duofocos                                      | Froiessor  |     | WITH DOC | Instructor | Asst. Prof                                   | Asso. Pro                                      |

| The Annual | l Sal                                    | ary S                           | urvey, 1973, F   | Part I                         | I, Notices of t  | he .                            | Am             | nerican Math  | emati | cal S                              | Society, Vo   | lum | e 20,                       | Issue 7,                                     | November 1973 |
|------------|--|---------------------------------|--|--------------------------------|--|---------------------------------|----------------|---|-------|------------------------------------|---|-----|-----------------------------|--|---------------|
|            | 30                                       | (94-115)121                     | (134-155)183<br>(180-191)214<br>(280-300)410   | Number of Usable Returns: 20   | (110)110<br>(140-160)190<br>(170-190)250<br>(246-303)385   | le Returns: 11                  |                | (131–150)166<br>(173–197)252<br>(241–283)314          |       | le Returns: 116                    | (99-117)142<br>(116-140)172<br>(134-171)196<br>(168-203)236   |     |                             | (153-150)208<br>(153-179)260<br>(191-230)320 | November 1973 |
|            | Number of Usable Returns:                | (94-110)                        | (130–144)<br>(160–180)<br>(225–250)  | mber of Usab                   | (105)<br>(133–153)<br>(159–178)<br>(220–248)   | mber of Usab                    |                | (120–131)<br>(148–173)<br>(225–242)                   |       | mber of Usab                       | (91-110)<br>(111-130)<br>(128-160)<br>(166-190)   |     | 1                           | (122–138)<br>(145–168)<br>(178–208)          |               |
| 8          | Nu                                       | 57 (93-94)                      | 104(117-134)<br>121(149-166)<br>152(196-223)   | Nu                             | 100(100)<br>100(126-140)<br>130(150-170)<br>168(199-215)   | Na                              |                | 98(104-120)<br>119(133-140)<br>172(176-208)           |       | Nu                                 | 72(86-110)<br>80(105-124)<br>92(122-147)<br>140(162-180)  |     |                             | 95(113-130)<br>89(136-155)<br>95(162-200)    |               |
| WO         |  | (89-115)120                     | (132–150)175<br>(175–187)234<br>(268–298)400   |                                | (105-116)116<br>(135-155)170<br>(160-190)250<br>(240-300)365   |                                 |                | (123–139)165<br>(156–187)209<br>(230–261)299          |       |                                    | (94-112)142<br>(111-135)166<br>(131-165)222<br>(157-195)225   |     |                             | (125-144)208<br>(148-174)260<br>(182-220)320 |               |
| ×.         |  | (86–115)                        | (127–140)<br>(156–180)<br>(219–259)  |                                | (100-116)<br>(130-145)<br>(150-169)<br>(210-245)   |                                 |                | (107–120)<br>(136–155)<br>(211–225)                   |       |                                    | (89-108)<br>(107-124)<br>(126-151)<br>(156-181)   |     |                             | (117-134)<br>(139-164)<br>(175-203)          |               |
|            |  | 54(85-115)                      | 104(115-129)<br>128(144-163)<br>150(187-212)   |                                | 95(95-116)<br>75(122-133)<br>130(145-158)<br>155(190-210)  |                                 |                | 95(96-109)<br>118(125-132)<br>156(168-197)            |       |                                    | 68(83-124)<br>72(100-118)<br>90(120-141)<br>124(155-173)  |     |                             | 83(110-127)<br>87(132-150)<br>93(158-192)    |               |
|            |  | 0                               | 0 0 1 2 0  |                                | 0 4 8 0 0  |                                 |                | ماري با ٥٠  |       |                                    | 18<br>11<br>0   | 77  | 0                           | 29<br>49<br>112                              |               |
|            |  | ಣ                               | 1 3 0  |                                | 0<br>4<br>14<br>14   |                                 |                | 0 2 4 1 2   |       |                                    | 82<br>58<br>11  | 151 | 1                           | 35 25 81 81 82                               |               |
|            |  | 0                               | 0<br>4<br>87<br>140<br>231   |                                | 0<br>2<br>53<br>96<br>151  |                                 |                | 24<br>127<br>94<br>245                                |       |                                    | 48<br>212<br>151<br>43  | 454 | 0                           | 89<br>340<br>287<br>716                      |               |
|            | Group IV                                 | 11                              | 106<br>104<br>143<br>357   | Group V                        | 90<br>88<br>98<br>279  | Group VI                        | 6              | $\begin{array}{c} 2\\124\\149\\95\\370\end{array}$    |       | 4TS                                | 181<br>280<br>157<br>44   | 662 | 2                           | 422<br>416<br>305<br>1148                    |               |
|            | NTS.                                     | 0                               | 00 1 2 10  |                                | 010011   |                                 |                | 01816   |       | RTMEP                              | 17<br>44<br>12  | 75  | 0                           | 25<br>412<br>422                             |               |
|            | RTME                                     | 9                               | H 4 H 21 8   | RTME                           | 0400 4   | ARTME                           |                | 0 8 4 1 8   |       | DEPA                               | 82<br>62<br>12<br>2   | 158 | 0                           | 30 23  |               |
| 41         | NG DEPA                                  | O O                             | 0<br>8<br>82<br>132<br>222   | NG DEP                         | 0<br>2<br>54<br>90<br>146  | ING DEP                         |                | 0<br>20<br>119<br>89<br>228                           |       | ANTING                             | ATE<br>55<br>193<br>140<br>40   | 428 | 0 ;                         | 290<br>261<br>614                            |               |
|            | RANTI                                    | TORA<br>13                      | 119<br>96<br>136<br>357  | RANTI                          | 3271E<br>85<br>85<br>92<br>271   | RANT                            | RATE           | 135<br>137<br>137<br>90<br>364                        |       | RE GR                              | 227<br>270<br>270<br>149<br>42  | 688 | RATE                        | 379<br>286<br>1107                           |               |
|            | DOCTORATE GRANTING DEPARTMENTS. Group IV | WITHOUT DOCTORATE Instructor 13 | MITH DOCTORATE           Instructor         6           Asst. Prof.         119           Asso. Prof.         96           Professor         136           Professor         357 | DOCTORATE GRANTING DEPARTMENTS | WITH DOCTORATE           Instructor         5           Asst. Prof.         89           Asso. Prof.         85           Professor         92           Professor         271 | DOCTORATE GRANTING DEPARTMENTS. | WITH DOCTORATE | histractor<br>Asst. Prof.<br>Asso. Prof.<br>Professor |       | MASTER DEGREE GRANTING DEPARTMENTS | WITHOUT DOCTORATE           Instructor         227         5           Asst. Prof.         270         19           Asso. Prof.         149         14           Professor         42         4 |     | WITH DOCTORATE Instructor 5 | Asst. Prof.<br>Asso. Prof.<br>Professor      |               |

Number of Usable Returns: 207

(115-162)200

(105-140)

62(93-121)

(110-160)215

(100-139)

60(89-115)

734

1092

(118-165)202

(115-152)

85(110-143)

(116-165)191

(112-146)

81(104-134)

42

88

39

WITH DOCTORATE

TWO-YEAR COLLEGES. STAFF CLASSIFIED BY ACADEMIC RANK

104 returns; INCLUDED in the figures above

(98-125)206 (114-140)182 (134-169)216 (150-191)230

(96-118) (110-130) (131-160) (146-179)

75(90-112) 81(100-122) 79(123-146) 78(130-175)

(95-120)180 (110-139)180 (125-164)202 (140-181)220

(92-113) (107-130) (118-150) (132-167)

66(86-108) 78(98-117) 89(114-141) 76(120-165)

70 124 123

181 227 149 63 620

 MITHOUT DOCTORATE

 Instructor
 208
 76

 Asst. Prof.
 215
 124

 Asso. Prof.
 137
 110

 Professor
 60
 56

 620
 366
 366

|                                   |  | Maximum      | Number of Usable Returns: 325        |                   | 799-1101150 | (105-198)180 | (118-150)991 | 196 178 971  | 117(011-071) |                |            | 110 199/901  | (110-152)201 | (100-107)243 | C67(707-9CT) |
|-----------------------------------|--|--------------|--------------------------------------|-------------------|-------------|--------------|--------------|--------------|--------------|----------------|------------|--------------|--------------|--------------|--------------|
|                                   | 1973—1974  | Median       | mber of Usable                       |                   | (90-108)    | (102-120)    | (115-144)    | (199-178)    | (017-077)    |                |            | /110 1967    | (190 150)    | (155-150)    | (061-661)    |
| ES f dollars)                     | 16   | Minimum      | Nu                                   |                   | 70/90-105)  | 80(99-115)   | 74(111-141)  | 100(199-178) | (011 071)001 |                |            | 81/105_1991  | 100/196 159) | 03(148-189)  | (601-041)66  |
| SALARIES (in hundreds of dollars) | The state of the s | Maximum      |                                      |                   | (85-104)166 | (102-121)201 | (115-140)231 | (122-168)270 | 211/222 1111 |                |            | /108-1281201 | (194-150)936 | (159_198)995 | 007(001-701) |
|                                   | 1972—1973  | Median       |                                      |                   | (86–102)    | (99-114)     | (111-137)    | (122-168)    |              |                |            | (105-122)    | (123-147)    | (150-187)    | (101 001)    |
|                                   |  | Minimum      |                                      |                   | 65(85-101)  | 75(95-110)   | 74(110-135)  | 95(121-160)  |              |                | 1          | 78(103-120)  | 85(121-143)  | 92(145-187)  | (101 011)    |
| 1974                              | WOMEN  | Total Tenure |                                      |                   | 41 2        | 65 33        | 35 32        |              | 155 80       |                | 0 0        | 34 2         | 22 16        |              | 89 48        |
| 1973—1974                         | NEW WEST   | Tenure       |                                      |                   | 18          | 203          | 198          | 09           | 479          |                | 0          | 45           | 198          | 251          | 494          |
| SIZE OF FACULTY 73 15             | FACULTY  | Total Te     | ENTS                                 |                   | 166         | 394          | 219          |              | 843          |                | 7          | 432          | 292          |              | 1003         |
| P                                 | MEN  | nore         | ARTM                                 |                   | 2           | 31           | 31           | 12           | 42           |                | 0          | 4            | 11           | 27           | 42           |
| SIZI<br>1972—1973                 | WOMEN  | Total Tenure | ING DEP                              |                   | 24          |              | 36           |              |              |                | -          | 32           | 19           |              | 82           |
| 1972-                             | With With  | enure        | RANT                                 | TE                | 19          | 204          | 194          | 19           | 478          |                | 0          | 37           | 158          | 243          | 438          |
|                                   | FACULTY  | Total Tenure | GREE                                 | CTORA             | 195         | 431          | 209          | 89           | 903          | RATE           | 9          | 422          | 256          | 262          | 946          |
|                                   |  |              | BACHELOR DEGREE GRANTING DEPARTMENTS | WITHOUT DOCTORATE | Instructor  | Asst, Prof.  | Asso, Prof.  | Professor    |              | WITH DOCTORATE | Instructor | Asst, Prof.  | Asso, Prof.  | Professor    |              |
|                                   | ė.   |              |                                      |                   |             |              |              |              |              |                |            |              |              |              |              |

\*Information covering the number of women on the faculty of two-year colleges was not collected

WITHOUT DOCTORATE 1108 72

## **Graduate Student Support**

The figures below represent the major sources of support (excluding tuition) of full-time graduate students enrolled for advanced degrees in 1972-1973 and estimates for 1973-1974. The type of support has been converted into percentages, with the total number of students represented by the sample given in the last column.

Because replies from Canadian doctorate-granting

departments have been listed separately from the U.S. figures, it is possible to compare the U.S. figures with data previously collected by the National Science Foundation. See the article entitled, "Sources of graduate student support, Fall 1972" in the May 1973 issue of the Newsletter of the Conference Board of the Mathematical Sciences (1976, 15) Sciences (page 15).

|  | ST                              | UDENTS PRIMARIL                     | Y SUPPORTED BY   |                        | Total number             |
|--|---------------------------------|-------------------------------------|--|------------------------|--------------------------|
| SUPPORT SOURCES  | Fellowships and<br>Traineeships | Graduate Research<br>Assistantships | Graduate Teaching<br>Assistantships  | Other types of support | of students<br>in sample |
| DOCTORATE GRANTING<br>DEPARTMENTS  |                                 |                                     |  |                        |                          |
| Group I (17 returns/27 depts.)<br>1972-1973  |                                 |                                     |  |                        | 1896                     |
| Government   | 12.0%                           | 7.0%                                | 10.0%  | 2.0%                   | 1000                     |
| Other Sources  | 10.5%                           | 1.0%                                | 39.0%  | 18.5%                  |                          |
| 1973-1974  |                                 |                                     | 11 00  | 3.7%                   | 1752                     |
| Government<br>Other Sources  | 8.6%<br>10.4%                   | 5.9%<br>0.5%                        | 11.6%<br>40.3%   | 19.0%                  |                          |
| ***************************************  | 10.4%                           | 0.5%                                | 40.370   | 13.0%                  |                          |
| Group II (31 returns/38 depts.)<br>1972-1973   |                                 |                                     |  |                        | 2031                     |
| Government   | 5,5%                            | 1.0%                                | 2.0%   | 2.0%                   |                          |
| Other Sources  | 3.7%                            | 1.3%                                | 64.8%  | 19.6%                  |                          |
| 1973-1974  |                                 | 0.000                               | 2 200  | 01                     | 1925                     |
| Government   | 3.1%                            | 1.7%                                | 2.0%   | 1.1%                   |                          |
| Other Sources  | 3.8%                            | 1.7%                                | 65.8%  | 21.8%                  |                          |
| Group III (57 returns/89 depts.)   | ).                              |                                     |  |                        | 2115                     |
| 1972-1973<br>Government  | 3.9%                            | 1.0%                                | 10.0%  | 2.9%                   | 2115                     |
| Other Sources  | 5.2%                            | 1.4%                                | 54.9%  | 20.7%                  |                          |
| 1973-1974  |                                 |                                     | 254.54.550   |                        | 2119                     |
| Government   | 2.4%                            | 0.8%                                | 11.7%  | 1.0%                   |                          |
| Other Sources  | 5.0%                            | 0.9%                                | 54.0%  | 24.2%                  |                          |
| Group IV (30 returns/60 depts.)<br>1972-1973   |                                 |                                     |  |                        | 932                      |
| Government   | 18.0%                           | 7.2%                                | 9.0%   | 0.9%                   |                          |
| Other Sources  | 6.1%                            | 9.6%                                | 22.1%  | 27.1%                  | 986                      |
| 1973-1974<br>Government  | 12.0%                           | 8.7%                                | 8.6%   | 1.0%                   | 986                      |
| Other Sources  | 6.2%                            | 9.8%                                | 23.9%  | 29.8%                  |                          |
| Group V (37 returns/88 depts.)<br>1972-1973  |                                 |                                     |  |                        | 1123                     |
| Government   | 5.1%                            | 24.4%                               | 0 %  | 1.6%                   |                          |
| Other Sources  | 7.6%                            | 3.9%                                | 17.4%  | 40.0%                  |                          |
| 1973-1974  | E                               | 2202                                | 0 %  | 0                      | 1171                     |
| Government<br>Other Sources  | 4.2%<br>8.5%                    | 21.8%<br>2.6%                       | 17.2%  | 1.1%<br>44.6%          |                          |
|  |                                 | 2.0%                                | 11.27  | 11,0%                  |                          |
| Group VI (13 returns/33 depts.)<br>1972-1973   | (                               |                                     |  |                        | 640                      |
| Government   | 17.4%                           | 12.7%                               | 24.4%  | 12.3%                  | 010                      |
| Other Sources  | 2.5%                            | 1.7%                                | 17.5%  | 11.5%                  |                          |
| 1973-1974  | **********                      | 500 CO (400 CO)                     | NO. 100 AND 10 |                        | 642                      |
| Government   | 16.8%                           | 16.8%                               | 23.2%  | 11.1%                  |                          |
| Other Sources  | 3.7%                            | 1.8%                                | 18.4%  | 8.2%                   |                          |
| MASTER DEGREE GRANTING<br>DEPARTMENTS<br>U.S.A. and CANADA<br>(109 returns/310 depts.) |                                 |                                     |  |                        |                          |
| 1972-1973  |                                 |                                     |  |                        | 1254                     |
| Government   | 4.7%                            | 1.6%                                | 7.4%   | 3.7%                   |                          |
| Other Sources  | 2.1%                            | 2.1%                                | 40.0%  | 38.4%                  |                          |
| 1973-1974  | 01                              | 2000 A                              |  | - 00                   | 1333                     |
| Government   | 1.8%                            | 0.2%                                | 7.3%   | 1.2%                   |                          |
| Other Sources  | 2.2%                            | 1.8%                                | 40.6%  | 44.9%                  |                          |

### Starting Salary Survey for New Recipients of the Doctorate

The latest figures in this Survey were compiled from questionnaires sent to individuals who received a doctorate in the mathematical sciences during the academic year 1972-1973 from universities in the United States and Canada. Of the 1,000 distributed there were 412 returns considered usable in the salary compilation, i.e., compatible with the Survey categories, 365 representing men and 47 representing women. Of the unused returns 4 representing women and 29 representing men were unemployed at the time of reporting. Another large group of unused returns were from those who accepted positions in a foreign country, 4 women and 38 men; in some cases these were foreign nationals returned to their homeland after completion of studies in the United States.

Figures in parentheses and brackets represent men and women respectively. Figures have been compiled representing men and women separately since 1971. This year a new category is included, representing the salaries of men and women with experience limited to one year or less in the same or a similar position to the one reported;

some persons receiving a doctorate in the past year had been employed in their present position for several years.

Seventy-seven percent of the doctorates included in this report accepted academic positions. Of the remainder, 13% accepted positions in industry and 8% in government

Of those reporting academic positions, 47% were held in doctoral granting departments, 25% in departments granting the master's as highest degree, 23% in bachelor granting departments, 2% in junior colleges and 1% in high schools.

Of all of those reporting, including those not used in the salary compilations, 79% accepted jobs in the United States, 5% in Canada, 8% in other countries and 7% were unemployed at the time of reporting.

Salaries are listed in hundreds of dollars. Dashes indicate that not enough returns were received to warrant including the figures here. Quartiles are indicated for teaching, nine-month salary. The years listed refer to the academic year ending in the listed year.

|        | ING (185 +<br>Month Salar  |                       |       |      | TEACH<br>(Twelve  |          | + 3)<br>Salary)  |         |        | ARCH (10<br>Month Sa |        |         |
|--------|----------------------------|-----------------------|-------|------|-------------------|----------|------------------|---------|--------|----------------------|--------|---------|
| Year   | Min.                       | Q <sub>1</sub> Median | $Q_3$ | Max. | Year              | Min.     | Median           |         | Year   | Min.                 | Mediar | Max.    |
| 1970   | 85                         | 110                   | -     | 195  | 1970              | 95       | 128              | 200     | 1970   | 78                   | 105    | 160     |
| 1971   |                            | 105 110               | 120   | 178  | 1971              | - 80     | 126              | 190     | 1971   | 90                   | 110    | 153     |
| 1972   | 1,555,550                  | 105 115               | 125   | 192  | 1972              | , 92     | 124              | 210     | 1972   | 60                   | 111    | 155     |
| 1973   |                            | 107 116               | 127   | 178  | 1973              | 104      | 127              | 270     | 1973   | 30                   | 110    | 120     |
| 1971M  |                            | 105 110               | 120   | 178  | 1971M             | 80       | 127              | 190     | 1971M  |                      | 110    | 153     |
| 1971F  | 70                         | 95 105                | 108   | 148  | 1971F             |          | 110              |         | 1971 F | 105                  |        | 120     |
| 1972M  |                            | 105 115               | 125   | 192  | 1972M             | 92       | 125              | 210     | 1972M  |                      |        |         |
| 1972F  |                            | 105 110               | 125   | 192  | 1972F             | 103      | 104              | 120     | 1972F  |                      |        |         |
| 1973M  | 10.75.75.7                 | 108 116               | 128   | 178  | 1973M             | 104      | 133              | 270     | 1973M  | 30                   | 110    | 120     |
| 1973F  | 60                         | 105 115               | 124   | 150  | 1973 F            | 105      | 116              | 127     | 1973 F |                      |        |         |
|        | experience                 |                       |       |      |                   | experier |                  | + 3]    |        | experier             |        | + 0]    |
| 1973M  | 47-77-75-0                 | 105 115               | 125   | 150  | *1973M            | 110      | 121              | 148     | *1973M | 30                   | 110    | 120     |
| 1973F  | 60                         | 100 112               | 118   | 130  | *1973F            | 105      | 116              | 127     | *1973F |                      |        |         |
|        | RCH (15 + :<br>e-Month Sal |                       |       |      | TEACH!<br>(Nine-M |          | RESEARC<br>lary) | H (33 + |        | HING & Fre-Month     |        | CH (9 + |
| Year   | Min.                       | Median                |       | Max. | Year              | Min.     | Median           | Max,    | Year   | Min.                 | Median | Max.    |
| 1970   | 90                         | 120                   |       | 205  | 1970              | 90       | 106              | 120     |        |                      |        |         |
| 1971   | 60                         | 120                   |       | 181  | 1971              | 88       | 110              | 156     | 1971   | 100                  | 137    | 165     |
| 1972   | 50                         | 125                   |       | 180  | 1972              | 95       | 115              | 160     | 1972   | 100                  | 125    | 205     |
| 1973   | 90                         | 150                   |       | 176  | 1973              | 90       | 117              | 170     | 1973   | 85                   | 159    | 172     |
| 1971M  | 60                         | 120                   |       | 181  | 1971M             |          |                  |         | 1971M  | 100                  | 150    | 165     |
| 1971 F | 60                         |                       |       | 60   | 1971F             |          |                  |         | 1971F  |                      | 120    |         |
| 1972M  | 50                         | 126                   |       | 180  | 1972M             | 100      | 116              | 160     | 1972M  | 100                  | 127    | 185     |
| 1972F  | 100                        |                       |       | 125  | 1972F             | 95       | 105              | 135     | 1972F  | 106                  |        | 205     |
| 1973M  | 90                         | 150                   |       | 176  | 1973M             | 90       | 117              | 170     | 1973M  | 85                   | 159    | 172     |
| 1973F  | 120                        |                       |       | 172  | 1973F             | 105      | 113              | 135     | 1973F  |                      |        |         |
|        | experience                 | [11 + 2]              |       | 7.   | 1 year e          | xperien  | ice [30          | + 8]    | 1 year | experien             | ce [6  | + 01    |
| 1973M  | 90                         | 150                   |       | 176  | *1973M            | 90       | 116              | 150     | *1973M | 85                   | 155    | 167     |
| 1973F  | 120                        |                       |       | 172  | *1973F            | 105      | 113              | 135     | 1973F  |                      |        |         |
|        | WSHIP (10<br>-Month Sal    |                       |       |      | INDUST<br>(Twelve |          |                  |         |        | RNMENT<br>e-Month    |        |         |
| Year   | Min.                       | Median                |       | Max. | Year              | Min.     | Median           | Max.    | Year   | Min.                 | Median | Max.    |
| 1970   | 60                         | 86                    |       | 120  | 1970              | 96       | 170              | 235     | 1970   | 100                  | 150    | 223     |
| 1971   |                            |                       |       |      | 1971              | 99       | 170              | 252     | 1971   | 117                  | 151    | 290     |
| 1972   |                            |                       |       |      | 1972              | 118      | 181              | 296     | 1972   | 70                   | 155    | 315     |
| 1973   | 85                         | 100                   |       | 150  | 1973              | 119      | 180              | 250     | 1973   | 95                   | 168    | 250     |
| 1971M  |                            |                       |       |      | 1971M             | 99       | 167              | 252     | 1971M  | 117                  | 160    | 290     |
| 1971F  |                            |                       |       |      | 1971F             | 192      |                  | 240     | 1971F  | 140                  |        | 150     |
| 1972M  |                            |                       |       |      | 1972M             | 118      | 181              | 296     | 1972M  | 70                   | 155    | 315     |
| 1972F  |                            |                       |       |      | 1972F             |          |                  |         | 1972F  | 110                  | 156    | 160     |
| 1973M  | 85                         | 100                   |       | 150  | 1973M             | 119      | 180              | 250     | 1973M  | 95                   | 169    | 250     |
| 1973F  |                            | 100                   |       |      | 1973F             | 168      | 170              | 171     | 1973F  | 120                  | 140    | 173     |
|        | experience                 | [10 + 1]              |       |      | 1 year e          |          |                  | + 3]    |        | experien             |        | + 4]    |
| 1973M  | 85                         | 100                   |       | 150  | *1973M            | 119      | 180              | 210     | *1973M | 95                   | 142    | 216     |
| 1973F  |                            | 100                   |       |      | *1973F            | 160      | 170              | 171     | *1973F | 120                  | 130    | 160     |

<sup>\*</sup>Experience limited to one year in same or similar positions.