SPECIAL ISSUE
ASSISTANTSHIPS AND FELLOWSHIPS
IN MATHEMATICS IN 1968-1969
CONTENTS

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FOREWORD

This is the ninth annual Special Issue of these Notices. This year the Special Issue contains listings of assistantships and fellowships available in mathematics, a Selected List of Stipends, a section on Tax Status of Grants, and an Index of Abstracts.

The list of assistantships and fellowships available in mathematics for 1968-1969 includes 357 departments of mathematics, statistics, computer science, and related mathematical disciplines. Fifty colleges and universities which did not appear in last year’s list are included in this issue, and departments which did not appear previously have been added to the listings of several colleges and universities. In this issue, colleges and universities have been grouped alphabetically within states, with Canadian institutions listed at the end.

The Selected List of Stipends includes over 100 listings of independent graduate and postdoctoral research and study grants.

A detailed explanation of Section 117 of the Internal Revenue Code appears under Tax Status of Grants. Sample applications for total and partial exclusion of stipends from Federal Income Tax are also included.

As in previous Special Issues, an Index of all abstracts which appeared in Volume 14, 1967, of these Notices appears with abstracts listed alphabetically by author. A general index to Volume 14 concludes this issue.

The Special Issue is published as a service to the mathematical community, and in the past it has evoked enthusiastic response from both students and mathematics departments. The Society wishes to express its appreciation to those individuals associated with the institutions listed in this issue for their kind and generous help in assembling this information.

MATHEMATICAL SCIENCES QUESTIONNAIRE

The information contained in this issue was obtained through the use of the Mathematical Sciences Questionnaire, prepared jointly by the AMS and the Mathematical Association of America. The joint questionnaire requested information from academic institutions on both graduate and undergraduate programs in mathematics. Results pertinent to undergraduate study will be published by the MAA in the "Guidebook to Departments in the Mathematical Sciences in the United States and Canada."

Prior to 1966 the two organizations mailed separate questionnaires. The AMS questionnaire requested information on graduate programs, the results of which were published in the December Special Issue of these Notices, while the MAA requested information on undergraduate studies in mathematics and published the results in its "Guidebook." In 1966 it was decided to combine the separate questionnaires in order to avoid duplication of effort on the part of both the organizations mailing the questionnaire and the university personnel who complete the forms. The organizations will continue to publish results separately.
AMS information on graduate programs is contained herein. The MAA "Guidebook" will be published in early spring and will contain information from hundreds of American and Canadian institutions, including the following: course hours offered on the undergraduate and graduate levels in mathematics, probability and statistics, computer science, numerical analysis, and applied mathematics; number of undergraduate and graduate degrees offered by institutions and departments; staff members; library facilities; etc. The information offered in the MAA "Guidebook" is primarily of interest to high school students in choosing a college or university and to undergraduates, particularly in a two-year college, in determining an institution at which to continue undergraduate work.

Copies of the MAA "Guidebook" will be available at fifty cents each from the Mathematical Association of America, SUNY at Buffalo, Buffalo, New York 14214.
ASSISTANTSHIPS AND FELLOWSHIPS IN MATHEMATICS IN 1968-1969

ALABAMA

Auburn University

AUBURN, ALABAMA 36830
L. P. Burton, Head
Department of Mathematics
Applications must be filed by February 15, 1968

NUMBER OF DEGREES AWARDED IN 1967
Baccalaureate Degrees by Institution: 2060
Baccalaureate Degrees by Department: 79
Master's Degrees by Department: 21

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 7; Geometry and Topology, 1; Analysis and Functional Analysis, 2; Computer Science and Numerical Analysis, 2; Applied Mathematics, 2. TOTAL: 14

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>NDEA Fellowship (2)</td>
<td>2000-2800</td>
<td></td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (35)</td>
<td>2100-4200</td>
<td></td>
<td>9</td>
<td>5-10 Teaching</td>
</tr>
<tr>
<td>NASA, NSF, Traineeship (12)</td>
<td>2400-4200**</td>
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<td>12</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>$100/qtr.</td>
<td></td>
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</tr>
</tbody>
</table>

**Includes department allowance and possible supplement for teaching.

Jacksonville State University

JACKSONVILLE, ALABAMA 36265
Christopher H. Horfield, Chairman
Department of Mathematics
Applications must be filed by March 1, 1968

NUMBER OF DEGREES AWARDED IN 1967
Baccalaureate Degrees by Institution: 433
Baccalaureate Degrees by Department: 55
Master's Degrees by Department: 2

<table>
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<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other (10)</td>
<td>1500-2000</td>
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<td>9</td>
<td></td>
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</table>

Samford University

BIRMINGHAM, ALABAMA 35209
W. D. Peeples, Jr., Chairman
Department of Mathematics and Engineering
Applications must be filed by April 1968

NUMBER OF DEGREES AWARDED IN 1967
Baccalaureate Degrees by Institution: 393
Baccalaureate Degrees by Department: 25
Master's Degrees by Department: 6

<table>
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<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Hrs/Week</th>
<th>Type</th>
</tr>
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<tbody>
<tr>
<td>Teaching Assistantship (6)</td>
<td>1800</td>
<td></td>
<td>9</td>
<td>$630</td>
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<tr>
<td>Scholarship (1)</td>
<td>1800</td>
<td></td>
<td>9</td>
<td>$630</td>
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</tbody>
</table>

University of Alabama in Huntsville

HUNTSVILLE, ALABAMA 35807
James M. Horner, Chairman
Department of Mathematics
Applications must be filed by March 1, 1968

NUMBER OF DEGREES AWARDED IN 1967
First graduating class in June, 1968.
Master's Degrees by Department: 10

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Hrs/Week</th>
<th>Type</th>
</tr>
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<tbody>
<tr>
<td>Teaching Assistantship (6)</td>
<td>2700</td>
<td>$600/9 mos.</td>
<td>6</td>
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</table>

975
ALASKA

Alaska Methodist University

ANCHORAGE, ALASKA 99504
Frederick W. Luttmann, Chairman
Department of Mathematics

Type of financial assistance (with number anticipated in 1968-1969) Stipend
Teaching Assistantship (3) Amount 1000 Tuition, if not included in stipend Service Required Hrs/Week Type

University of Alaska

COLLEGE, ALASKA 99701
Robert W. Brown, Chairman
Department of Mathematics
Applications must be filed by May 1, 1968

Type of financial assistance (with number anticipated in 1968-1969) Stipend
Teaching Assistantship (6) Amount 3150-3600 Tuition, if not included in stipend Service Required Hrs/Week Type

ARIZONA

Arizona State University

TEMPE, ARIZONA 85281
Evar D. Nering, Chairman
Department of Mathematics
Applications must be filed by March 15, 1968

Type of financial assistance (with number anticipated in 1968-1969) Stipend
Fellowship (15) Amount 2000-3800 Tuition, if not included in stipend Service Required Hrs/Week Type
Teaching Assistantship (40) Amount 2250-3300 $143/sem $143/sem
Research Assistantship (4) Amount 2400-3300 $143/sem $143/sem
Scholarship (10) Amount out of state fees

Northern Arizona University

FLAGSTAFF, ARIZONA 86001
Charles E. Little, Chairman
Department of Mathematics
Applications must be filed by April 15, 1968

Type of financial assistance (with number anticipated in 1968-1969) Stipend
Teaching Assistantship (8) Amount 2000 Tuition, if not included in stipend Service Required Hrs/Week Type

976
University of Arizona

TUCSON, ARIZONA 85721
D. L. Webb, Acting Head
department of Mathematics
Applications must be filed by March 15, 1968

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 2; Geometry and Topology, 6; Logic, 1; Analysis and Functional Analysis, 4; Probability and Statistics, 1; Computer Science and Numerical Analysis, 1; Applied Mathematics, 5. TOTAL: 20

<table>
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<th>Type of financial assistance</th>
<th>Stipend</th>
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<td>Amount</td>
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<tr>
<td>Fellowship (17)</td>
<td>2000-3000</td>
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<tr>
<td>Teaching Assistantship (60)</td>
<td>2200-3200</td>
</tr>
<tr>
<td>Research Assistantship (4)</td>
<td>2400-3200</td>
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<tr>
<td>Scholarship tuition (6)</td>
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</table>

State College of Arkansas

CONWAY, ARKANSAS 72032
Frank Hudson, Chairman
Department of Mathematics
Applications must be filed by May 1, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance</th>
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<td></td>
<td>Amount</td>
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<td>Teaching Assistantship (3)</td>
<td>2200</td>
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University of Arkansas

FAYETTEVILLE, ARKANSAS 72701
James E. Scroggs, Chairman
Department of Mathematics
Applications must be filed by February 15, 1968

New PH. D. program.

<table>
<thead>
<tr>
<th>Type of financial assistance</th>
<th>Stipend</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Amount</td>
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<td>Fellowship (10)</td>
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<td>Teaching Assistantship (24)</td>
<td>1350-3000</td>
</tr>
<tr>
<td>Research Assistantship (3)</td>
<td>3000</td>
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</tbody>
</table>
California Institute of Technology

PASadena, california 91109

Marshall Hall, Jr., Chairman
Department of Mathematics

Applications must be filed by February 15, 1968

PH.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 11; Geometry and Topology, 1; Analysis and Functional Analysis, 7; Computer Science and Numerical Analysis, 7.

TOTAL: 21

Type of financial assistance (with number anticipated in 1968–1969)  Amount 9 or Tuition, if not Service Required
Stipend number (dollars) 12 mo. included in stipend Hrs/Week Type
Fellowship (3) 2400–2800 12 * 4 class hrs
Teaching Fellowship (6) 3400–3800 12 * 4 class hrs
Teaching Assistantship* (17) 2275–2675 9 * 15 academic yr./30 summer
Research Assistantship* (4) 2900–3500 12 *
Scholarship (19) 1825

* A tuition scholarship normally accompanies an Assistantship Award.

California Institute of Technology

PASadena, california 91109

G. B. Whitham, Chairman
Applied Mathematics Committee

Applications must be filed by February 15, 1968

PH.D. Degrees awarded during last three years by field of specialization: Applied Mathematics, 2. (New Program)

Type of financial assistance (with number anticipated in 1968–1969)  Amount 9 or Tuition, if not Service Required
Stipend number (dollars) 12 mo. included in stipend Hrs/Week Type
Fellowship (13) 2400–2800 12 + Tuition 4 class hrs
Teaching Assistantship (6) 2275–2675 9 *

* Tuition Scholarship is usually awarded with Teaching Assistantship.

California State College at Hayward

HAYWARD, california 94542

Thomas H. Southard, Chairman
Department of Mathematics

Applications must be filed by April 15, 1968

Type of financial assistance (with number anticipated in 1968–1969)  Amount 9 or Tuition, if not Service Required
Stipend number (dollars) 12 mo. included in stipend Hrs/Week Type
Graduate Assistant (1) 2100 9 None for residents of California

California State College at Long Beach

LONG BEACH, california 90804

Charles W. Austin, Chairman
Department of Mathematics

Applications must be filed by June 1, 1968

Type of financial assistance (with number anticipated in 1968–1969)  Amount 9 or Tuition, if not Service Required
Stipend number (dollars) 12 mo. included in stipend Hrs/Week Type
Teaching Assistantship (7) 1728–2856 9 $62.50* 4–6 Teaching

* Plus non-resident tuition of $24 per unit, up to $360 maximum.
**California State College at Los Angeles**

LOS ANGELES, CALIFORNIA 90032  
Ernest J. Eckert, Chairman  
Department of Mathematics  
Applications must be filed by March 15, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tbody>
<tr>
<td>Teaching Assistantship (6)</td>
<td>3456–3628</td>
<td>$50 per Q*</td>
<td>8 Teaching</td>
</tr>
<tr>
<td>Graduate Assistantship (12)</td>
<td>2100</td>
<td>$50 per Q*</td>
<td>8 Teaching</td>
</tr>
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*Non-resident additional fee of $16.00 per unit. Maximum of $240.00 per quarter.

**Pepperdine College**

LOS ANGELES, CALIFORNIA 90044  
Ladis D. Kovach, Chairman  
Department of Mathematics and Physics  
Applications must be filed by July 1, 1968

<table>
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<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tr>
<td>Teaching Assistantship (2)</td>
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<td></td>
</tr>
<tr>
<td>Scholarship (3)</td>
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**Sacramento State College**

SACRAMENTO, CALIFORNIA 95819  
Stanley P. Hughart, Chairman  
Department of Mathematics and Statistics  
Applications must be filed by April 15, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (3)</td>
<td>1296</td>
<td>$118</td>
<td>6 Teaching</td>
</tr>
<tr>
<td>Graduate Assistant (2)</td>
<td>2000</td>
<td>$118</td>
<td>20 In charge of Math. Lab.</td>
</tr>
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</table>

**San Diego State College**

SAN DIEGO, CALIFORNIA 92115  
LeRoy J. Warren, Chairman  
Department of Mathematics  
Applications must be filed by February 15, 1968

<table>
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<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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</thead>
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<td>Teaching Assistantship (26)</td>
<td>3240</td>
<td>$61.50</td>
<td>6 Teaching</td>
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</table>

**Stanford University**

STANFORD, CALIFORNIA 94305  
David Gilbarg  
Department of Mathematics  
Applications must be filed by January 15, 1968

<table>
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<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (9)</td>
<td>2000–2400*</td>
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</tr>
<tr>
<td>Graduate Assistantships (8)</td>
<td>2400–2800**</td>
<td>3 for two quarters</td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (30)</td>
<td>2300–2600*</td>
<td>3 for two quarters</td>
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**NUMBER OF DEGREES AWARDED IN 1967**

<table>
<thead>
<tr>
<th>Type of Degree</th>
<th>Baccalaureate Degrees by Institution</th>
<th>Baccalaureate Degrees by Department</th>
<th>Master's Degrees by Department</th>
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<tr>
<td>Baccalaureate Degrees</td>
<td>1770</td>
<td>55</td>
<td>12</td>
</tr>
<tr>
<td>Master's Degrees</td>
<td>1730</td>
<td>32</td>
<td>5</td>
</tr>
<tr>
<td>PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 2; Geometry and Topology, 8; Logic, 3; Analysis and Functional Analysis, 25; Probability and Statistics, 4; Computer Science and Numerical Analysis, 2; Applied Mathematics, 15. TOTAL: 59</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Additional stipends of $750 are often available for 3 hrs. of teaching service for one quarter.
Stanford University

STANFORD, CALIFORNIA 94305

Baccalaureate Degrees by Institution: 1511
Baccalaureate Degrees by Department: 8
Master's Degrees by Department: 35

Applications must be filed by January 15, 1968

PH. D. Degrees awarded during last three years by field of specialization: Computer Science and Numerical Analysis, 5.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Stipend</th>
<th>9 or Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (10)</td>
<td>1500–2200</td>
<td>9</td>
<td>Less than 20 working hrs/wk</td>
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</tr>
<tr>
<td>Teaching Assistantship (6)</td>
<td>2300–2600</td>
<td>9*</td>
<td>Less than 20 working hrs/wk</td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (46)</td>
<td>2200–2600</td>
<td>9*</td>
<td></td>
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</tr>
</tbody>
</table>

*Additional stipends of about $1500 often available for full-time work in Summer.

Stanford University

STANFORD, CALIFORNIA 94305

Baccalaureate Degrees by Institution: 1511
Baccalaureate Degrees by Department: 8
Master's Degrees by Department: 45

Applications must be filed by January 15, 1968

PH. D. Degrees awarded during last three years by field of specialization: Probability and Statistics, 29.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Stipend</th>
<th>9 or Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (24)</td>
<td>200–260/mo.</td>
<td>9*</td>
<td>**</td>
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</tr>
<tr>
<td>Trainees (19)</td>
<td>200–260/mo.</td>
<td>12</td>
<td>**</td>
<td></td>
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</table>

*May be extended to 12 mo.
**All Ph. D. candidates during their training must acquire some teaching and research experience.

Stanford University

STANFORD, CALIFORNIA 94305

Baccalaureate Degrees by Institution: 1511
Baccalaureate Degrees by Department: 3
Master's Degrees by Department: 1

Applications must be filed by January 31, 1968

PH. D. Degrees awarded during last three years by field of specialization: Operations Research, 14.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Stipend</th>
<th>9 or Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
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</thead>
<tbody>
<tr>
<td>Fellowship (6)</td>
<td>225–250/mo.</td>
<td>9</td>
<td>20</td>
<td>Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (2)</td>
<td>225–250/mo.</td>
<td>9</td>
<td>20</td>
<td>Research</td>
</tr>
</tbody>
</table>
### University of California, Berkeley

**BERKELEY, CALIFORNIA 94720**  
Sarah M. Hallam, Departmental Administrator  
Department of Mathematics  
Applications for assistantships must be filed by February 1, 1968 and fellowships by December 15, 1967.

**NUMBER OF DEGREES AWARDED IN ACADEMIC YEAR 1966-1967**  
Baccalaureate Degrees by Institution: 4507  
Baccalaureate Degrees by Department: 136  
Master's Degrees by Department: 53

PH.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 22; Geometry and Topology, 19; Logic, 12; Analysis and Functional Analysis, 16; Probability and Statistics, 2; Computer Science and Numerical Analysis, 1; Applied Mathematics, 13. TOTAL: 85

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (101)</td>
<td>1800-3000</td>
<td>9*</td>
<td>***</td>
<td>14</td>
<td>Teaching</td>
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<tr>
<td>Teaching Assistantship (52)</td>
<td>3000–3316</td>
<td>9</td>
<td>***</td>
<td>14</td>
<td>Teaching</td>
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<tr>
<td>Research Assistantship (50)</td>
<td>2390–3637</td>
<td>9</td>
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<tr>
<td>Scholarship</td>
<td>See Fellowship</td>
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<td></td>
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<tr>
<td>Half-time Associate and Half-time Acting Instructor (16)</td>
<td>3264–3960</td>
<td>9</td>
<td>***</td>
<td>14</td>
<td>Teaching</td>
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</table>

*Some fellowships are for 12 months, in which case the actual stipend would be increased proportionally.  
**Out-of-state students are liable for $1,216 in tuition and fees; most, but not all, of these fellowship agencies pay this amount.  
***Out-of-state Teaching Assistants, etc. are liable for $327 tuition per quarter, but it is waived for most of them. All students must pay $73 in fees per quarter.

### University of California, Berkeley

**BERKELEY, CALIFORNIA 94720**  
H. Scheffe, Chairman  
Department of Statistics  
Applications for assistantships must be filed by January 10, 1968 and for fellowships by December 15, 1967.

**NUMBER OF DEGREES AWARDED IN 1967**  
Baccalaureate Degrees by Institution: 4507*  
Baccalaureate Degrees by Department: 13  
Master's Degrees by Department: 13

PH.D. Degrees awarded during last three years by field of specialization: Probability and Statistics, 29.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
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<td>Fellowship (16)</td>
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<td>Variable</td>
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<tr>
<td>Teaching &amp; Research Assistantship (33)</td>
<td>2300–2500</td>
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</tbody>
</table>

*Year period from July 1, 1966 to June 30, 1967.

### University of California, Berkeley

**BERKELEY, CALIFORNIA 94720**  
William Craig, Chairman  
Group in Logic and the Methodology of Science  
Applications must be filed by December 15, 1967.

**NUMBER OF DEGREES AWARDED IN 1967**  
Baccalaureate Degrees by Institution: 4507*  

PH.D. Degrees awarded during last three years by field of specialization: Logic, 5.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (15)</td>
<td>1800–3000</td>
<td>9/12</td>
<td>**</td>
<td>Variable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (varies)</td>
<td>3000–3316</td>
<td>9</td>
<td>***</td>
<td>14</td>
<td>Teaching</td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (varies)</td>
<td>2390–3637</td>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Out-of-state students are liable for $1216 in tuition and fees; most fellowships and agencies pay this amount.  
***Out-of-state TA's are liable for $327 tuition/qt. but most of them are able to obtain tuition waivers. All students must pay $73 in fees per quarter.
University of California, Davis

DAVIS, CALIFORNIA 95616

E. B. Roessler, Chairman
Department of Mathematics

Applications must be filed by February 15, 1968

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 5; Analysis and Functional Analysis, 3; Probability and Statistics, 2. TOTAL: 10

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (5)</td>
<td>2000-2400*</td>
<td>9 or 12</td>
<td>$235 year*</td>
<td>16</td>
</tr>
<tr>
<td>Teaching Assistantship (25)</td>
<td>3000-3316</td>
<td>9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scholarship (1)</td>
<td>2000</td>
<td>9</td>
<td>$235 year*</td>
<td></td>
</tr>
</tbody>
</table>

*Plus out-of-state tuition usually waived for teaching assistants. ($981 a year)

University of California, Irvine

IRVINE, CALIFORNIA 92664

Bernard R. Gelbaum, Chairman
Department of Mathematics

Applications must be filed by March 1, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (10)</td>
<td>2400-2800*</td>
<td>9 or 12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (16)</td>
<td>3000-3316</td>
<td>9</td>
<td>Nonres-$327/qt**</td>
<td>8</td>
</tr>
<tr>
<td>Research Assistantship (14)</td>
<td>3186-3516</td>
<td>11</td>
<td>Nonres-$327/qt**</td>
<td>8</td>
</tr>
<tr>
<td>NSF Trainee (6)</td>
<td>2400-2800*</td>
<td>12</td>
<td>Nonres-$327/qt**</td>
<td>8</td>
</tr>
<tr>
<td>NDEA Fellowship (6)</td>
<td>2000-2400*</td>
<td>9</td>
<td>Nonres-$327/qt**</td>
<td>8</td>
</tr>
</tbody>
</table>

*Dependency allowances.

**Tuition is often waived for students with superior records.

University of California, Los Angeles

LOS ANGELES, CALIFORNIA 90024

Lowell J. Paige, Chairman
Department of Mathematics

Applications must be filed by January 31, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tbody>
<tr>
<td>Fellowship (46)</td>
<td>2000-2400</td>
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<tr>
<td>Teaching Assistantship (47)</td>
<td>666.66/mo.-841.33/mo.</td>
<td>9</td>
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<tr>
<td>Research Assistantship (32)</td>
<td>531/mo.-786/mo.</td>
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University of California, Riverside

RIVERSIDE, CALIFORNIA 92502

Howard G. Tucker, Chairman
Department of Mathematics

Applications must be filed by February 1, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (15)</td>
<td>2400-3400</td>
<td>12</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Teaching Assistantship (18)</td>
<td>3000-3316</td>
<td>9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (4)</td>
<td>3717-4102</td>
<td>10 Full</td>
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</tr>
</tbody>
</table>

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 4; Geometry and Topology, 4; Analysis and Functional Analysis, 4; Probability and Statistics, 3. TOTAL: 15

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (15)</td>
<td>2400-3400</td>
<td>12</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Teaching Assistantship (18)</td>
<td>3000-3316</td>
<td>9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (4)</td>
<td>3717-4102</td>
<td>10 Full</td>
<td></td>
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</tbody>
</table>
OPPORTUNITIES FOR GRADUATE STUDY IN MATHEMATICS at the UNIVERSITY OF SOUTHERN CALIFORNIA

Mathematics Faculty and Their Fields of Interest

ALLAN F. ABRAHAMSE (U. of Michigan) Probability
JOHN S. ALIN (U. of Nebraska) Algebra
HENRY A. ANTONIEWICZ (Vienna) Ordinary Differential Equations
Efraim P. Armendariz (U. of Nebraska) Algebra
EDWARD K. BLUM (Columbia) Numerical Analysis; Automata Theory
ROBERT E. BRADFORD (U.C. Berkeley) Mathematical Logic
HERBERT BUSEMANN (Gottingen) Geometry and Convex Bodies
SPENCER E. DICKSON (New Mexico State) Algebra
JAMES DUGUNDJI (M.I.T.) Algebraic Topology
DANIEL P. GIESEY (U. of Wisconsin) Functional Analysis
THEODORE E. HARRIS (Princeton) Probability
DONALD H. HYERS (C. I. T.) Partial Differential Equations;

DANIEL M. HYMAN (U. of Maryland) Functional Analysis
WALTER T. KYNER (U.C. Berkeley) Point Set Topology
JOHN MINER (Notre Dame) Ordinary Differential Equations
TOM S. PITCHER (M.I.T.) Algebraic Topology
ROBERT J. SACKER (New York U.) Ordinary Differential Equations
ALAN SCHUMITZKY (Cornell) Complex Analysis; Integral Equations
GEORGE R. SELL (U. of Michigan) Ordinary Differential Equations
PAUL A. WHITE (U. of Virginia) Point Set Topology;

ALBERT L. WHITEMAN (U. of Pennsylvania) Combinatorial Analysis
RICHARD E. BELLMAN* (Princeton) Number Theory; Combinatorial Analysis
RICHARD BUCY* (U.C. Berkeley) Control Theory; Mathematical Biology
SOLOMON W. GOLOMB* (Harvard) Control Theory; Probability

* Joint appointment

SPECIAL FELLOWSHIPS

A limited number of Special Three-Year Fellowships are available with an annual stipend of $3,400.00 plus all tuition and fees for three years—no teaching duties for the first year, teach one class per semester for the second and third years.

ALSO, SEE FOLLOWING PAGE, AND

WRITE TO:
APPLICATIONS SECRETARY
Department of Mathematics
University of Southern California
University Park
Los Angeles, California 90007
University of California, San Diego

LA JOLLA, CALIFORNIA 92037
Murray Rosenblatt, Chairman
Department of Mathematics
Applications must be filed by February 15, 1968

Baccalaureate Degrees by Institution: 12
Baccalaureate Degrees by Department: 2
Master's Degrees by Department: 5

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 1; Analysis and Functional Analysis, 1. TOTAL: 2

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (24)</td>
<td>2400–3400</td>
<td>12</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (20)</td>
<td>3000–3800</td>
<td>9</td>
<td>* Half-time</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (7)</td>
<td>3200–4000</td>
<td>12</td>
<td>* Half-time (academic year)</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

*Incidental fee $73/qtr.; Nonresident Tuition $327/qtr.

University of California, Santa Barbara

SANTA BARBARA, CALIFORNIA 93106
Marvin Marcus, Chairman
Department of Mathematics
Applications must be filed by March 1, 1968

Baccalaureate Degrees by Institution: 440
Baccalaureate Degrees by Department: 41
Master's Degrees by Department: 6

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 5; Geometry and Topology, 1; Analysis and Functional Analysis, 1. TOTAL: 7

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
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<tbody>
<tr>
<td>Fellowship (13)</td>
<td>2400–2800</td>
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<td>$981/yr</td>
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<tr>
<td>Teaching Fellowship (0)</td>
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<td>9</td>
<td>(For out-of-state students)</td>
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<tr>
<td>Teaching Assistantship (22)</td>
<td>3000–4000</td>
<td>9</td>
<td></td>
<td></td>
<td>6</td>
<td>Teaching</td>
</tr>
<tr>
<td>Research Assistantship (6)</td>
<td>3186–3516</td>
<td>11</td>
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</tr>
</tbody>
</table>

University of Southern California

LOS ANGELES, CALIFORNIA 90007
Paul A. White, Chairman
Department of Mathematics
Applications must be filed by February 1, 1968

Baccalaureate Degrees by Institution: 1621
Baccalaureate Degrees by Department: 33
Master's Degrees by Department: 8

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 2; Analysis and Functional Analysis, 3. TOTAL: 5

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (16)</td>
<td>2400–2800+</td>
<td>both</td>
<td></td>
<td></td>
<td>4</td>
<td>units</td>
</tr>
<tr>
<td>Teaching Fellowship (5)</td>
<td>3400–3800+</td>
<td>both</td>
<td>4 units</td>
<td></td>
<td>8</td>
<td>units</td>
</tr>
<tr>
<td>Teaching Assistantship (10)</td>
<td>1000–2000</td>
<td>12</td>
<td>$50 a unit</td>
<td></td>
<td>20</td>
<td>hrs</td>
</tr>
<tr>
<td>Research Assistantship (3)</td>
<td>2100–3100</td>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scholarship (2)</td>
<td>tuition and fees</td>
<td>12</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Teaching/Research Assistantship (10)</td>
<td>3000–4000</td>
<td></td>
<td></td>
<td></td>
<td>4 units/10 hrs</td>
<td>Research</td>
</tr>
</tbody>
</table>
COLORADO

Colorado School of Mines

GOLDEN, COLORADO 80401
Joseph R. Lee, Head
Department of Mathematics
Applications must be filed by March 1, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (2)</td>
<td>2400</td>
<td>12</td>
<td>Incl.</td>
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</tr>
<tr>
<td>Teaching Assistantship (2)</td>
<td>2000</td>
<td>9</td>
<td>Incl.</td>
<td></td>
</tr>
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</table>

GOLDEN, COLORADO 80401
Joseph R. Lee, Head
Department of Mathematics
Applications must be filed by March 1, 1968

Colorado State College

GREELEY, COLORADO 80631
Forest N. Fisch, Chairman
Department of Mathematics

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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</thead>
<tbody>
<tr>
<td>Teaching Assistantship** (4)</td>
<td>2250–3000</td>
<td>either</td>
<td>$6.50/hr. in-state</td>
<td></td>
</tr>
<tr>
<td>Temporary Instructor** (3)</td>
<td>5400–6600</td>
<td>9</td>
<td>$6.50 per hr.</td>
<td></td>
</tr>
</tbody>
</table>

**The Department offers these to people on either Ed.D. program.

Colorado State University

FORT COLLINS, COLORADO 80521
M. L. Madison, Head
Mathematics and Statistics
Applications must be filed by March 1, 1968

PH.D. Degrees awarded during last three years by field of specialization: Analysis and Functional Analysis, 1; Probability and Statistics, 9. TOTAL: 10

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tbody>
<tr>
<td>Fellowship (6)</td>
<td>2400–3400</td>
<td>12</td>
<td>$44/qtr.</td>
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<tr>
<td>NIH (9)</td>
<td>2400–2600</td>
<td>12</td>
<td></td>
<td></td>
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<tr>
<td>Teaching Assistantship (19)</td>
<td>2250–2700</td>
<td>9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (1)</td>
<td>2250–3400</td>
<td>9 or 12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(1)</td>
<td>2400–4200</td>
<td>9 or 12</td>
<td></td>
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</tr>
<tr>
<td>Scholarship (2)</td>
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</tr>
</tbody>
</table>

University of Colorado

BOULDER, COLORADO 80302
Stanislaw M. Ulam, Chairman
Department of Mathematics
Applications must be filed by January 15, 1968

PH.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 7; Geometry and Topology, 5; Logic, 3; Analysis and Functional Analysis, 6; Probability and Statistics, 1; Applied Mathematics, 2. TOTAL: 24

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (80)</td>
<td>2500–2500</td>
<td>9</td>
<td></td>
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</tr>
<tr>
<td>Research Assistantship (1)</td>
<td>2500 (50% of time)</td>
<td>9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scholarship (5)</td>
<td>Tuition only</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>
University of Denver
DENVER, COLORADO 80210
H. J. Greenberg, Chairman
Department of Mathematics

NUMBER OF DEGREES AWARDED IN 1967
Baccalaureate Degrees by Institution: 950
Baccalaureate Degrees by Department: 24
Master's Degrees by Department: 7

Type of financial assistance (with number anticipated in 1968-1969)

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (12)</td>
<td>2000-2500</td>
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<td></td>
<td>10</td>
</tr>
<tr>
<td>Research Assistantship (4)</td>
<td>2000-3000</td>
<td>9</td>
<td></td>
<td>10</td>
</tr>
</tbody>
</table>

Western State College of Colorado
GUNNISON, COLORADO 81230
William E. Dorgan, Chairman
Division of Natural Science and Mathematics

Applications must be filed by March 15, 1968

NUMBER OF DEGREES AWARDED IN 1967
Baccalaureate Degrees by Institution: 327
Baccalaureate Degrees by Department: 16

Type of financial assistance (with number anticipated in 1968-1969)

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (2)</td>
<td>1800</td>
<td>9</td>
<td>$342*</td>
<td>3 or 4</td>
</tr>
</tbody>
</table>

*In state, nonresident $591.

CONNECTICUT

Central Connecticut State College
NEW BRITAIN, CONNECTICUT 06050
Richard L. Mentzer, Chairman
Department of Mathematics

Applications must be filed by July 1, 1968

NUMBER OF DEGREES AWARDED IN 1967
Baccalaureate Degrees by Institution: 497
Baccalaureate Degrees by Department: 33
Master's Degrees by Department: 11

Type of financial assistance (with number anticipated in 1968-1969)

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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</thead>
<tbody>
<tr>
<td>Teaching Assistantship (3)</td>
<td>2700-3600</td>
<td>9</td>
<td>$100</td>
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</table>

University of Bridgeport
BRIDGEPORT, CONNECTICUT 06602
Wray G. Brady, Chairman
Department of Mathematics

NUMBER OF DEGREES AWARDED IN 1967
Baccalaureate Degrees by Institution: 751
Baccalaureate Degrees by Department: 10

Type of financial assistance (with number anticipated in 1968-1969)

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (2)</td>
<td>2400</td>
<td>12</td>
<td></td>
<td>20</td>
</tr>
</tbody>
</table>

University of Connecticut
STORRS, CONNECTICUT 06268
Elliot S. Wolk, Head
Department of Mathematics

Applications must be filed by March 30, 1968

NUMBER OF DEGREES AWARDED IN 1967
Baccalaureate Degrees by Institution: approx. 1700
Baccalaureate Degrees by Department: 55
Master's Degrees by Department: 12

Type of financial assistance (with number anticipated in 1968-1969)

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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</thead>
<tbody>
<tr>
<td>Fellowship (5)</td>
<td>2625-3000</td>
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<td>$190</td>
<td>6</td>
</tr>
<tr>
<td>Teaching Assistantship (20)</td>
<td>2625-3000</td>
<td>9</td>
<td>$190</td>
<td>20</td>
</tr>
<tr>
<td>Research Assistantship (3)</td>
<td>3270</td>
<td>9</td>
<td>$190</td>
<td></td>
</tr>
<tr>
<td>Scholarship (5)</td>
<td>750-1000</td>
<td>9</td>
<td>$190</td>
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986
University of Connecticut

APPLICATIONS FOR THE ACADEMIC YEAR 1968-1969

Applications must be filed by March 1, 1968

Number and Type of Degrees Awarded in 1967

<table>
<thead>
<tr>
<th>Type of Degree</th>
<th>Baccalaureate Degrees by Institution</th>
<th>Baccalaureate Degrees by Department</th>
<th>Master's Degrees by Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baccalaureate</td>
<td>1732</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Master's</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Applications must be filed by March 1, 1968

Number of Degrees Awarded in 1967

<table>
<thead>
<tr>
<th>Type of Degree</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor's</td>
<td>1732</td>
</tr>
<tr>
<td>Master's</td>
<td>1</td>
</tr>
</tbody>
</table>

Applications must be filed by March 1, 1968

Probability and Statistics, 2:

Type of Assistance:

- Fellowship (6)
- Research Assistantship (5)
- Computer Assistantship (2)
- Part-time Instructorship (2)

Financial Assistance:

- Fellowship (6)
- Research Assistantship (5)
- Computer Assistantship (2)
- Part-time Instructorship (2)

Wesleyan University

APPLICATIONS FOR THE ACADEMIC YEAR 1968-1969

Applications must be filed by March 15, 1968

Number and Type of Degrees Awarded in 1967

<table>
<thead>
<tr>
<th>Type of Degree</th>
<th>Baccalaureate Degrees by Institution</th>
<th>Baccalaureate Degrees by Department</th>
<th>Master's Degrees by Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baccalaureate</td>
<td>260</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>Master's</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Applications must be filed by March 15, 1968

Number of Degrees Awarded in 1967

<table>
<thead>
<tr>
<th>Type of Degree</th>
<th>Number</th>
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</thead>
<tbody>
<tr>
<td>Bachelor's</td>
<td>1</td>
</tr>
<tr>
<td>Master's</td>
<td>5</td>
</tr>
</tbody>
</table>

Applications must be filed by March 15, 1968

Algebra and Number Theory, 1; Geometry and Topology, 4. TOTAL: 5

Type of Assistance:

- Fellowship (3)
- Research Assistantship (4)
- Scholarship (3)

Financial Assistance:

- Fellowship (3)
- Research Assistantship (4)
- Scholarship (3)

Yale University

APPLICATIONS FOR THE ACADEMIC YEAR 1968-1969

Applications must be filed by January 18, 1968

Number and Type of Degrees Awarded in 1967

<table>
<thead>
<tr>
<th>Type of Degree</th>
<th>Baccalaureate Degrees by Institution</th>
<th>Baccalaureate Degrees by Department</th>
<th>Master's Degrees by Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baccalaureate</td>
<td>930</td>
<td>11</td>
<td>7</td>
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<tr>
<td>Master's</td>
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<td></td>
<td></td>
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Applications must be filed by January 18, 1968

Number of Degrees Awarded in 1967

<table>
<thead>
<tr>
<th>Type of Degree</th>
<th>Number</th>
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</thead>
<tbody>
<tr>
<td>Bachelor's</td>
<td>930</td>
</tr>
<tr>
<td>Master's</td>
<td>11</td>
</tr>
</tbody>
</table>

Applications must be filed by January 18, 1968

Algebra and Number Theory, 13; Geometry and Topology, 6; Analysis and Functional Analysis, 10. TOTAL: 29

Type of Assistance:

- Fellowship (4)
- Research Assistantship (15)
- NSF Traineeships (6)
- NASA Traineeships (3)

Financial Assistance:

- Fellowship (4)
- Research Assistantship (15)
- NSF Traineeships (6)
- NASA Traineeships (3)

*3rd and 4th year students may earn $600-$800 additional by teaching 3 hours a week.

Yale University

APPLICATIONS FOR THE ACADEMIC YEAR 1968-1969

Applications must be filed by January 18, 1968

Number and Type of Degrees Awarded in 1967

<table>
<thead>
<tr>
<th>Type of Degree</th>
<th>Baccalaureate Degrees by Institution</th>
<th>Master's Degrees by Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baccalaureate</td>
<td>930</td>
<td>6</td>
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<tr>
<td>Master's</td>
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<td></td>
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</tbody>
</table>

Applications must be filed by January 18, 1968

Number of Degrees Awarded in 1967

<table>
<thead>
<tr>
<th>Type of Degree</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor's</td>
<td>930</td>
</tr>
<tr>
<td>Master's</td>
<td>6</td>
</tr>
</tbody>
</table>

Applications must be filed by January 18, 1968

Probability and Statistics, 1.

Type of Assistance:

- Fellowship (10)
- Research Assistantship (2)

Financial Assistance:

- Fellowship (10)
- Research Assistantship (2)
DISTRICT OF COLUMBIA

American University
WASHINGTON, D.C. 20016
Steven H. Schot, Co-Chairman
John H. Smith, Co-Chairman
Department of Mathematics and Statistics
Applications must be filed by February 1, 1968

PH.D. Degrees awarded during last three years by field of specialization: Probability and Statistics, 1.

<table>
<thead>
<tr>
<th>Type of financial assistance</th>
<th>Amount (dollars)</th>
<th>9 or Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship</td>
<td>2000</td>
<td>10 or 12 cr. hrs. free</td>
<td>15</td>
</tr>
<tr>
<td>Scholarship (1)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Catholic University of America
WASHINGTON, D.C. 20017
Raymond W. Moller, Chairman
Department of Mathematics
Applications must be filed by March 1, 1968

PH.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 3; Analysis and Functional Analysis, 4; Probability and Statistics, 7. TOTAL: 14

<table>
<thead>
<tr>
<th>Type of financial assistance</th>
<th>Amount (dollars)</th>
<th>9 or Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (10)</td>
<td>1500-2800</td>
<td>9 to 12</td>
<td>7</td>
</tr>
<tr>
<td>Teaching Assistantship (12)</td>
<td>2400</td>
<td>9</td>
<td>12</td>
</tr>
<tr>
<td>Research Assistantship (3)</td>
<td>3600</td>
<td>12 $1600</td>
<td></td>
</tr>
<tr>
<td>Scholarship (4)</td>
<td>Tuition only</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Biometry Traineeship (11)</td>
<td>2400-2800</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

*Plus dependency allowance.

George Washington University
WASHINGTON, D.C. 20006
Hewitt Kenyon, Chairman
Department of Mathematics
Applications must be filed by March 1, 1968

PH.D. Degrees awarded during last three years by field of specialization: Logic, 1.

<table>
<thead>
<tr>
<th>Type of financial assistance</th>
<th>Amount (dollars)</th>
<th>9 or Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (7)</td>
<td>2400</td>
<td>12</td>
<td>6</td>
</tr>
<tr>
<td>Teaching Assistantship (6)</td>
<td>2500</td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

George Washington University
WASHINGTON, D.C. 20006
Solomon Kullback, Chairman
Department of Statistics
Applications must be filed by March 1, 1968

PH.D. Degrees awarded during last three years by field of specialization: Probability and Statistics, 5.
The Department of Mathematics offers graduate programs leading to the Master of Arts and Doctor of Philosophy degrees. The interests of the faculty and hence the emphasis in instruction and research are primarily in the fields of analysis and differential equations. Areas of study include: ordinary and partial differential equations, scattering theory, analytical theory of semi-groups, perturbation theory, functional differential equations, operational calculus, neutron transport theory. The number of graduate students is maintained at a level which insures close working relations with the faculty.

Financial Aid. A limited number of Fellowships are available to qualified applicants. These include University Fellowships which carry a stipend of $2600, N.S.F. and N.A.S.A. Traineeships which carry a stipend of $2400 plus $500 per dependent. Tuition and fees are remitted for each of these. University Fellows normally teach one 3 credit hour course each semester. Trainees have no duties other than those required of all Ph.D. candidates at the University.

Facilities. The Mathematics Department is housed in the University's new Science Building. Adequate office space or study carrels are provided for all graduate students. Living accommodations are available in the District of Columbia or within easy commuting distance from nearby Maryland and Virginia. The Science Library holds several thousand mathematics books and an extensive collection of periodicals, and the University Computation Center is located very near the Department.

Information and Application. For a description of courses currently offered and other information regarding the programs of the Department write to:

Professor Arnold P. Stokes, Chairman
Department of Mathematics
Georgetown University
Washington, D. C. 20007

Information concerning admission and financial aid may be obtained from

The Graduate School
Nevils Building
Georgetown University
Washington, D. C. 20007

Closing Date. Completed applications for admission and financial aid must be in the Graduate School by February 15, 1968.
PH.D. Degrees awarded during last three years by field of specialization: Analysis and Functional Analysis, 2.

### Type of financial assistance (with number anticipated in 1968–1969)

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Fellowship (9)</td>
<td>2600</td>
<td>9</td>
<td></td>
<td>3 Teaching</td>
</tr>
<tr>
<td>Research Assistantship (1)</td>
<td>2600</td>
<td>9</td>
<td></td>
<td>3 Teaching</td>
</tr>
<tr>
<td>NASA Traineeships (6)</td>
<td>3400</td>
<td>12</td>
<td></td>
<td>3 Teaching</td>
</tr>
<tr>
<td>NSF Fellowships (3)</td>
<td>2400–2800</td>
<td>9</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Howard University

WASHINGTON, D.C. 20001
George H. Butcher, Jr., Chairman
Department of Mathematics
Applications must be filed by June 15, 1968

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (6)</td>
<td>1800–1800</td>
<td>9</td>
<td>$22/hr.</td>
<td>12 Teaching</td>
</tr>
</tbody>
</table>

### University of Delaware

NEWARK, DELAWARE 19711
Russell Remage, Jr., Chairman
Department of Mathematics
Applications must be filed by March 1, 1968

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (15)</td>
<td>2400</td>
<td>12</td>
<td></td>
<td>6 Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (23)</td>
<td>2300–2700</td>
<td>9</td>
<td>$350–$820</td>
<td>20 Research</td>
</tr>
<tr>
<td>Research Assistantship (5)</td>
<td>3000–4000</td>
<td>9 to 12</td>
<td></td>
<td></td>
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</tbody>
</table>

### Florida Institute of Technology

MELBOURNE, FLORIDA 32901
Paul N. Somerville, Head
Department of Mathematics and Statistics
Applications must be filed by December 15, 1967

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (2)</td>
<td>2400–2400</td>
<td>9</td>
<td></td>
<td>20 Teaching</td>
</tr>
<tr>
<td>Research Assistantship (2)</td>
<td>2400–2400</td>
<td>9</td>
<td></td>
<td>20 Research</td>
</tr>
</tbody>
</table>

### NUMBER OF DEGREES AWARDED IN 1967

| Baccalaureate Degrees by Institution: | 1143 |
| Baccalaureate Degrees by Department: | 11  |
| Master's Degrees by Department:      | 3   |

NUMBER OF DEGREES AWARDED IN 1967

| Baccalaureate Degrees by Institution: | 922  |
| Baccalaureate Degrees by Department: | 29   |
| Master's Degrees by Department:      | 13   |

NUMBER OF DEGREES AWARDED IN 1967

| Baccalaureate Degrees by Institution: | 51   |
| Baccalaureate Degrees by Department: | 10   |
| Master's Degrees by Department:      | 5    |

### FLORIDA
Florida State University
TALLAHASSEE, FLORIDA 32306

O. G. Harrold, Chairman
Department of Mathematics
Applications for assistantships must be filed by January 1, 1968 and fellowships by March 15, 1968

PH. D. Degrees awarded during last three years be field of specialization: Algebra and Number Theory, 5; Geometry and Topology, 6; Analysis and Functional Analysis, 5. TOTAL: 16

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required (Hrs/Week)</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (20)</td>
<td></td>
<td>200–300/mo. 9</td>
<td></td>
<td>3–6</td>
<td>Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (25)</td>
<td></td>
<td>150–330/mo. 9</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (10)</td>
<td></td>
<td>300–400/mo. 9 or 12</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Florida State University
TALLAHASSEE, FLORIDA 32306

Ralph A. Bradley, Head
Department of Statistics
Applications must be filed by February 1968

PH. D. Degrees awarded during last three years by field of specialization: Probability and Statistics, 5.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required (Hrs/Week)</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (25)</td>
<td></td>
<td>2400–2800</td>
<td>9 or 12 mo.</td>
<td>20</td>
<td>Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (6)</td>
<td></td>
<td>2250</td>
<td>$500/week</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (5)</td>
<td></td>
<td>3000</td>
<td>$500/week</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Florida State University
TALLAHASSEE, FLORIDA 32306

E. P. Miles, Jr., Director
Computing Center
Applications must be filed by March 15, 1968, through both major department and Computing Center

No PH. D. Degrees in Computer Service, Graduate assistants may work for degrees in Math., Stat., Math. education, etc.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required (Hrs/Week)</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (8)</td>
<td></td>
<td>3600–4200</td>
<td>12 mo.</td>
<td>20</td>
<td>Teaching</td>
</tr>
<tr>
<td>Research Assistantship (12)</td>
<td></td>
<td>3600–4200</td>
<td>12 mo.</td>
<td>20</td>
<td>Research</td>
</tr>
</tbody>
</table>

Some Assistantships at half the above stipend are awarded to these working only 1/4 of the time.

University of Miami
CORAL GABLES, FLORIDA 33124

Edwin N. Duda, Chairman
Department of Mathematics
Applications must be filed by March 1, 1968

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 1; Geometry and Topology, 2. TOTAL: 3

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required (Hrs/Week)</th>
<th>Type</th>
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<tbody>
<tr>
<td>Fellowship (15)</td>
<td></td>
<td>2000–3000**</td>
<td>9</td>
<td>Waived</td>
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</tr>
<tr>
<td>Teaching Assistantship (32)</td>
<td></td>
<td>2500–3000</td>
<td>9</td>
<td>6</td>
<td>Teaching</td>
</tr>
<tr>
<td>Research Assistantship (5)</td>
<td></td>
<td>3100</td>
<td>9</td>
<td>15</td>
<td>Research</td>
</tr>
</tbody>
</table>

**Excluding dependency allowances.
University of South Florida

TAMPA, FLORIDA 33620
J. E. Kelley, Chairman
Department of Mathematics
Applications must be filed by July 1, 1968

NUMBER OF DEGREES AWARDED IN 1967
Baccalaureate Degrees by Institution: 933*
Baccalaureate Degrees by Department: 23
Master's Degrees by Department: 8

Type of financial assistance (with number anticipated in 1968-1969)

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (8)</td>
<td>2700</td>
<td>9</td>
<td></td>
<td></td>
<td>6</td>
<td>Teaching</td>
</tr>
</tbody>
</table>

*Additional 325 expected.

GEORGIA

Emory University

ATLANTA, GEORGIA 30322
Trever Evans, Chairman
Department of Mathematics
Applications must be filed by February 15, 1968

PH.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 1; Analysis and Functional Analysis, 1. TOTAL: 2

Type of financial assistance (with number anticipated in 1968-1969)

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (15)</td>
<td>2000-2500</td>
<td>9 or 12</td>
<td>Waived</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (15)</td>
<td>2100-4200</td>
<td>9</td>
<td>Waived</td>
<td>4-8</td>
<td></td>
<td>Teaching</td>
</tr>
</tbody>
</table>

Georgia Institute of Technology

ATLANTA, GEORGIA 30332
B. M. Drucker, Director
School of Mathematics
Applications must be filed by March 15, 1968

PH.D. Degrees awarded during last three years by field of specialization: Geometry and Topology, 2; Analysis and Functional Analysis, 1; Applied Mathematics, 2. TOTAL: 5

Type of financial assistance (with number anticipated in 1968-1969)

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>NASA, NSF Traineeships (3)</td>
<td>2400-3400</td>
<td>12</td>
<td>$315</td>
<td>5-10</td>
<td></td>
<td>Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (15)</td>
<td>2000-3900</td>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Georgia State College

ATLANTA, GEORGIA 30303
G. L. Tiller, Head
Department of Mathematics
Applications must be filed by August 1, 1968

Type of financial assistance (with number anticipated in 1968-1969)

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (10)</td>
<td>1200-2400</td>
<td>9</td>
<td>$72 /qr</td>
<td>5-10</td>
<td></td>
<td>Teaching</td>
</tr>
</tbody>
</table>
University of Georgia

ATHENS, GEORGIA 30601

B. J. Ball, Head
Department of Mathematics

Applications must be filed by February 15, 1968

NUMBER OF DEGREES AWARDED IN 1967

Baccalaureate Degrees by Institution: 635
Baccalaureate Degrees by Department: 50
Master's Degrees by Department: 9

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 2; Geometry and Topology, 10; Analysis and Functional Analysis, 1; Probability and Statistics, 2. TOTAL: 15

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (25)</td>
<td>2400-3000</td>
<td>$333</td>
<td>5</td>
</tr>
<tr>
<td>Teaching Assistantship (25)</td>
<td>2200-4600</td>
<td>$333</td>
<td>5-10</td>
</tr>
<tr>
<td>Research Assistantship (12)</td>
<td>2200-2400</td>
<td>$333</td>
<td></td>
</tr>
</tbody>
</table>

University of Georgia

ATHENS, GEORGIA 30601

Carl F. Kossack, Chairman
Department of Statistics

Applications must be filed by February 15, 1968

NUMBER OF DEGREES AWARDED IN 1967

Master's Degrees by Department: 3

PH. D. Degrees awarded during last three years by field of specialization: Probability and Statistics, 4.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (6)</td>
<td>2400-3000</td>
<td>$335</td>
<td>5</td>
</tr>
<tr>
<td>Teaching Assistantship (3)</td>
<td>2200-2400</td>
<td>$335</td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (12)</td>
<td>2200-3200</td>
<td>$335</td>
<td></td>
</tr>
<tr>
<td>Scholarship (3)</td>
<td>1200-2000</td>
<td>$335</td>
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</tr>
</tbody>
</table>

University of Hawaii

HONOLULU, HAWAII 96822

William J. Leahey, Chairman
Department of Mathematics

Applications must be filed by February 1, 1968

NUMBER OF DEGREES AWARDED IN 1967

Baccalaureate Degrees by Institution: 892
Baccalaureate Degrees by Department: 35
Master's Degrees by Department: 6

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (10)</td>
<td>2664</td>
<td>$2664</td>
<td>6</td>
</tr>
</tbody>
</table>

HAWAII

UNIVERSITY OF HAWAII

Honolulu, Hawaii

The Honolulu Campus is centrally located in Manoa Valley. The Department of Mathematics offers work leading to the M.A. degree. Teaching assistantships are available paying initially $2,664 in twelve monthly installments. For assistants, tuition and fees are waived.

APPLY:

Dr. William J. Leahey, Chairman
Department of Mathematics
2565 The Mall
University of Hawaii
Honolulu, Hawaii 96822
IDAHO

Idaho State University

POCATELLO, IDAHO 83201
John Hilzman, Director
Department of Mathematics
Applications must be filed by March 15, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (5)</td>
<td>2200</td>
<td>9</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Number of Degrees Awarded in 1967

- Baccalaureate Degrees by Institution: 550
- Baccalaureate Degrees by Department: 25
- Master's Degrees by Department: 3

University of Idaho

MOSCOW, IDAHO 83843
Howard E. Campbell, Head
Department of Mathematics
Applications must be filed by February 15, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Fellowship (4)</td>
<td>2400</td>
<td>9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (8)</td>
<td>2200</td>
<td>9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scholarship (2)</td>
<td>500</td>
<td>9</td>
<td>$110</td>
<td></td>
</tr>
<tr>
<td>NASA, NSF, NDEA Fellowships (4)</td>
<td>2400–2800*</td>
<td>12</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Plus dependency allowance.

Number of Degrees Awarded in 1967

- Baccalaureate Degrees by Institution: 1026
- Baccalaureate Degrees by Department: 11
- Master's Degrees by Department: 13

ILLINOIS

DePaul University

CHICAGO, ILLINOIS 60614
Alphonse Buccino, Chairman
Department of Mathematics

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (4)</td>
<td>2100</td>
<td>9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (2)</td>
<td>2400</td>
<td>12</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Number of Degrees Awarded in 1967

- Baccalaureate Degrees by Institution: 788
- Baccalaureate Degrees by Department: 40
- Master's Degrees by Department: 11

Eastern Illinois University

CHARLESTON, ILLINOIS 61920
Alphonso J. DiPietro, Head
Department of Mathematics
Applications must be filed by March 1, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduate Assistant (5)</td>
<td>1600–2000</td>
<td>9</td>
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</table>

Number of Degrees Awarded in 1967

- Baccalaureate Degrees by Institution: 700
- Baccalaureate Degrees by Department: 60
- Master's Degrees by Department: 5

994
Illinois Institute of Technology

CHICAGO, ILLINOIS 60616
Haim Reingold, Chairman
Department of Mathematics
Applications must be filed by April 1, 1968

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 2; Geometry and Topology, 2; Analysis and Functional Analysis, 5; Probability and Statistics, 3; Applied Mathematics, 1. TOTAL: 13

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (28)</td>
<td>2000–3500</td>
<td>9</td>
<td>6</td>
<td>Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (40)</td>
<td>2000–4000</td>
<td>9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (5)</td>
<td>2000–4500</td>
<td>9</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Illinois State University

NORMAL, ILLINOIS 61761
Clyde T. McCormick, Chairman
Department of Mathematics
Applications must be filed by February 1, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Fellowship (4)</td>
<td>3000–3420</td>
<td>9</td>
<td>6–7</td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (15)</td>
<td>1620</td>
<td>9</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Northern Illinois University

DE KALB, ILLINOIS 60115
Donald Ostberg, Chairman
Department of Mathematics

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (10)</td>
<td>1620–2340</td>
<td>$130/sem. or $70/sem.</td>
<td>Half-time</td>
<td></td>
</tr>
<tr>
<td>Peace Corps Assistantships* (1)</td>
<td>2340</td>
<td>$70/sem.</td>
<td>Half-time</td>
<td></td>
</tr>
</tbody>
</table>

*Available to returnee from Peace Corps work.

Northwestern University

EVANSTON, ILLINOIS 60201
R. P. Boas, Chairman
Department of Mathematics

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 2; Geometry and Topology, 3; Analysis and Functional Analysis, 6. TOTAL: 11

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Fellowship (62)</td>
<td>3650–4350</td>
<td>9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (13)</td>
<td>3650–4350</td>
<td>9</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Northwestern University**

EVANSTON, ILLINOIS 60201

Arthur Wouk, Chairman
Committee on Applied Mathematics

Applications must be filed by February 15, 1968

PH. D. Degrees awarded during last three years by field of specialization: Applied Mathematics, 4.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (7)</td>
<td>2000-2700</td>
<td>9 to 12</td>
<td>Free</td>
<td>Variable</td>
<td>Variable</td>
</tr>
<tr>
<td>Teaching Assistantship (1)</td>
<td>2500-2700</td>
<td>9 to 12</td>
<td>$1425</td>
<td>Variable</td>
<td>Variable</td>
</tr>
<tr>
<td>Research Assistantship (4)</td>
<td>3375-4500</td>
<td>9 to 12</td>
<td>Free</td>
<td>Variable</td>
<td>Variable</td>
</tr>
<tr>
<td>NSF (5)</td>
<td>2400-2800</td>
<td>9 to 12</td>
<td>Free</td>
<td>Variable</td>
<td>Variable</td>
</tr>
<tr>
<td>NDEA (1)</td>
<td>2400-2800</td>
<td>12</td>
<td>Free</td>
<td>Variable</td>
<td>Variable</td>
</tr>
<tr>
<td>NASA (4)</td>
<td>2400-2800</td>
<td>12</td>
<td>Free</td>
<td>Variable</td>
<td>Variable</td>
</tr>
</tbody>
</table>

**Southern Illinois University**

CARBONDALE, ILLINOIS 62901

A. M. Mark, Acting Chairman
Department of Mathematics

Applications must be filed by February 1, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (3)</td>
<td>1800-3350</td>
<td>9</td>
<td>$5–20 per term*</td>
<td>6–7</td>
<td>Teaching Contact Hours</td>
</tr>
<tr>
<td>Teaching Assistantship (3)</td>
<td>2400–3300</td>
<td>12</td>
<td>$5–20 per term*</td>
<td>Variable</td>
<td>Teaching</td>
</tr>
<tr>
<td>NSF Traineeship (3)</td>
<td>2400–3400</td>
<td>12</td>
<td>$5–20 per term*</td>
<td>Variable</td>
<td>Scholarships</td>
</tr>
<tr>
<td>NASA Traineeship (2)</td>
<td>2400–3400</td>
<td>12</td>
<td>$5–20 per term*</td>
<td>Variable</td>
<td>Scholarships</td>
</tr>
</tbody>
</table>

*Fees (per term) plus $10.50 optional activity fee.

**Southern Illinois University**

EDWARDSVILLE, ILLINOIS 62025

R. N. Pendergrass, Chairman
Faculty of Mathematical Studies

Applications must be filed by March 1, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (3)</td>
<td>2400</td>
<td>12</td>
<td>Tuition only</td>
<td>6</td>
<td>Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (12)</td>
<td>2250–2700</td>
<td>9</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scholarship (8)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**University of Chicago**

CHICAGO, ILLINOIS 60637

R. Lashof, Chairman
Department of Mathematics

Applications for assistantships and fellowships must be filed by January 1, 1968, for foreign applicants and by February 1, 1968, for U. S. and Canadian applicants.

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 22; Geometry and Topology, 6; Logic, 1; Analysis and Functional Analysis, 11; Applied Mathematics, 1.

TOTAL: 41

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>University Fellowship (10)</td>
<td>3780</td>
<td>9 to 12</td>
<td>$1980</td>
<td>Variable</td>
<td>Research</td>
</tr>
<tr>
<td>Research Assistantship (20)</td>
<td>up to 4480</td>
<td>12</td>
<td>$1080</td>
<td>Variable</td>
<td>Research</td>
</tr>
<tr>
<td>Federal (65)</td>
<td>2400–2800</td>
<td>12</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Miscellaneous Fellowships (14)</td>
<td>up to 2600</td>
<td>9 to 12</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
University of Chicago

CHICAGO, ILLINOIS 60637
William H. Kruskal, Chairman
Department of Statistics

Applications must be filed by January 1, 1968 for
foreign applicants; by February 1, 1968 for U. S. and Canadian applicants

PH. D. Degrees awarded during last three years by field of specialization: Probability and Statistics, 7.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Stipend</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (11)</td>
<td>1800–3000</td>
<td>9</td>
<td>$1980</td>
<td>4–8 Paper Grading, Research, etc.</td>
</tr>
<tr>
<td>Research Assistantship (6)</td>
<td>up to 2010</td>
<td>9 to 12</td>
<td>$1980</td>
<td></td>
</tr>
<tr>
<td>U. S. Government (10)</td>
<td>1800–2800</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

University of Illinois

URBANA, ILLINOIS 61801
Paul T. Bateman, Head
Department of Mathematics

Applications must be filed by February 15, 1968

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 14; Geometry and Topology, 9; Logic, 5; Analysis and Functional Analysis, 22; Probability and Statistics, 4; Computer Science and Numerical Analysis, 4; Applied Mathematics, 8. TOTAL: 66

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Stipend</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (50) <em>30A YI</em></td>
<td>1900–2900</td>
<td>9 &amp; 12</td>
<td>$1980</td>
<td></td>
</tr>
<tr>
<td>Teaching Fellowship (40)</td>
<td>2550–3800</td>
<td>9 &amp; 12</td>
<td>$1980</td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (135)</td>
<td>2520 (1/2 time)</td>
<td>9</td>
<td>$1980</td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (25)</td>
<td>2520 (1/2 time)</td>
<td>9</td>
<td>$1980</td>
<td></td>
</tr>
</tbody>
</table>

*Academic Year Institute Fellows.

University of Illinois

URBANA, ILLINOIS 61801
John R. Pasta, Chairman
Department of Computer Science

Applications must be filed by February 15, 1968

PH. D. Degrees awarded during last three years by field of specialization: Computer Science and Numerical Analysis, 1. *

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Stipend</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (7)</td>
<td>2000–2400</td>
<td>9</td>
<td>$1980</td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (20)</td>
<td>2700</td>
<td>9</td>
<td>$1980</td>
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</tbody>
</table>

*Advanced degree program became effective in December, 1966.

University of Illinois at Chicago Circle

CHICAGO, ILLINOIS 60680
Joseph Landin, Head
Department of Mathematics

Applications must be filed by February 15, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Stipend</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (6)</td>
<td>2400–3200</td>
<td>9</td>
<td>$1980</td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (52)</td>
<td>2900–3200</td>
<td>9</td>
<td>$1980</td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (2)</td>
<td>3600</td>
<td>12</td>
<td>$1980</td>
<td></td>
</tr>
<tr>
<td>Scholarship (5)</td>
<td>Tuition</td>
<td>9</td>
<td>$1980</td>
<td></td>
</tr>
</tbody>
</table>
## Ball State University

**MUNCIE, INDIANA 47306**  
Earl H. McKinney, Head  
Department of Mathematics  
Applications must be filed by March 15, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo. Tuition, if not included in stipend</th>
<th>Service Required Hrs./Week Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (7)</td>
<td>2400</td>
<td>9</td>
<td>approx. $10/cr. hr.</td>
<td>6–9 Teaching recitation sections</td>
</tr>
</tbody>
</table>

## DePauw University

**GREENCASTLE, INDIANA 46135**  
Clinton B. Gass, Head  
Department of Mathematics and Astronomy

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo. Tuition, if not included in stipend</th>
<th>Service Required Hrs./Week Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (4)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Indiana University

**BLOOMINGTON, INDIANA 47401**  
George Springer, Chairman  
Department of Mathematics  
Applications must be filed by February 1, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo. Tuition, if not included in stipend</th>
<th>Service Required Hrs./Week Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (20)</td>
<td>2000–3000</td>
<td>9 &amp; 12</td>
<td>$13/cr. hr.</td>
<td>3 Teaching</td>
</tr>
<tr>
<td>Teaching Fellowship (8)</td>
<td>3000–3600</td>
<td>12</td>
<td>$13/cr. hr.</td>
<td>5 Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (100)</td>
<td>2500–3500</td>
<td>9 &amp; 12</td>
<td>$13/cr. hr.</td>
<td>15 Research</td>
</tr>
<tr>
<td>Research Assistantship (6)</td>
<td>2500–3500</td>
<td>9 &amp; 12</td>
<td>$13/cr. hr.*****</td>
<td>Varies</td>
</tr>
<tr>
<td>Summer Fellowships (20)</td>
<td>600</td>
<td>8 weeks</td>
<td>$13/cr. hr.*****</td>
<td></td>
</tr>
<tr>
<td>Part-time Assistantships (10)</td>
<td>500–1200</td>
<td>9 &amp; 12</td>
<td>$13/cr. hr.*****</td>
<td></td>
</tr>
<tr>
<td>Academic Year Institute*** (13)</td>
<td>2850</td>
<td>9</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**PH. D. Degrees awarded during last three years by field of specialization:**  
Algebra and Number Theory, 11; Geometry and Topology, 5; Analysis and Functional Analysis, 4; Probability and Statistics, 2; Applied Mathematics, 1. TOTAL: 23

## Purdue University

**LAFAYETTE, INDIANA 47907**  
Gerald R. MacLane, Head  
Division of Mathematical Sciences  
Applications must be filed by February 15, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo. Tuition, if not included in stipend</th>
<th>Service Required Hrs./Week Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (35)</td>
<td>2400–4000</td>
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<td>$79</td>
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</tr>
<tr>
<td>Teaching Fellowship (10)</td>
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<td>$79</td>
<td>6 Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (110)</td>
<td>2800</td>
<td>9</td>
<td>$79</td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (20)</td>
<td>2200–3000</td>
<td>9</td>
<td>$79</td>
<td></td>
</tr>
</tbody>
</table>

**PH. D. Degrees awarded during last three years by field of specialization:**  
Algebra and Number Theory, 4; Geometry and Topology, 4; Analysis and Functional Analysis, 13; Applied Mathematics, 6. TOTAL: 27

---

**Note:**  
Many provide fee exemption; others $13 per credit hour.  
**Dependent allowance and travel expenses also provided.**  
***Participation in a seminar the purpose of which is to provide insight into the learning and teaching of undergraduate mathematics.
Purdue University

LAFAYETTE, INDIANA 47907

Shanti S. Gupta, Chairman
Department of Statistics

Applications for assistantships must be filed by

PH. D. Degrees awarded during last three years by field of specialization: Probability and Statistics, 10.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Stipend</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
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</thead>
<tbody>
<tr>
<td>Fellowship (13)</td>
<td>$2400-2800</td>
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<td>Tuition paid</td>
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</tr>
<tr>
<td>Teaching Assistantship (32)</td>
<td>$1400-2800</td>
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<td>$39.50 per sem</td>
<td>20</td>
<td>20</td>
<td>Research</td>
</tr>
<tr>
<td>Research Assistantship (10)</td>
<td>$2200-2500</td>
<td>10</td>
<td>$39.50 per sem</td>
<td>20</td>
<td>20</td>
<td>Research</td>
</tr>
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</table>

Purdue University

LAFAYETTE, INDIANA 47907

S. D. Conte, Head
Department of Computer Science

Applications must be filed by March 15, 1968

PH. D. Degrees awarded during last three years by field of specialization: Computer Science and Numerical Analysis, 8.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Stipend</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
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<tr>
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<tr>
<td>Research Assistantship (20)</td>
<td>$2800</td>
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</table>

Rose Polytechnic Institute

TERRE HAUTE, INDIANA 47803

Herbert R. Bailey, Chairman
Department of Mathematics

Applications must be filed by February 20, 1968

University of Notre Dame

NOTRE DAME, INDIANA 46556

Wilhelm Stoll, Chairman
Department of Mathematics

Applications must be filed by February 20, 1968

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 7; Geometry and Topology, 5; Logic, 4; Analysis and Functional Analysis, 4. TOTAL: 20

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Stipend</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
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<th>Hrs/Week</th>
<th>Type</th>
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<td>Teaching Assistantship (45)</td>
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</tr>
<tr>
<td>Summer Teaching Assistantship (14)</td>
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<tr>
<td>Summer Research Assistantship (9)</td>
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</table>

*Includes NSF, NASA and NDEA Traineeships.
IOWA

Iowa State University

AMES, IOWA 50010
Wilfred E. Barnes, Head
Department of Mathematics
Applications must be filed by February 1, 1968

NUMBER OF DEGREES AWARDED IN 1967
Baccalaureate Degrees by Institution: 1949
Baccalaureate Degrees by Department: 48
Master's Degrees by Department: 9

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 4; Geometry and Topology, 1; Analysis and Functional Analysis, 6; Probability and Statistics, 20; Computer Science and Numerical Analysis, 5; Applied Mathematics, 6. TOTAL: 42

<table>
<thead>
<tr>
<th>Type of financial assistance</th>
<th>Amount</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tbody>
<tr>
<td>Stipend</td>
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</tr>
<tr>
<td>Fellowship (5)</td>
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<td>2400-3500</td>
<td>9 to 12</td>
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</table>

Iowa State University

AMES, IOWA 50010
T. A. Bancroft, Head
Department of Statistics
Applications must be filed by February 1, 1968

NUMBER OF DEGREES AWARDED IN 1967
Baccalaureate Degrees by Institution: approx. 1920
Baccalaureate Degrees by Department: approx. 12
Master's Degrees by Department: approx. 14

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 3; Geometry and Topology, 1; Analysis and Functional Analysis, 6; Probability and Statistics, 20; Computer Science and Numerical Analysis, 5; Applied Mathematics, 6. TOTAL: 41

<table>
<thead>
<tr>
<th>Type of financial assistance</th>
<th>Amount</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tr>
<td>Stipend</td>
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<tr>
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<td>280-320</td>
<td>12</td>
<td>$62</td>
<td>22 Research</td>
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</table>

Iowa State University

AMES, IOWA 50010
Clair G. Maple, Director
Computer Center
Applications must be filed by February 1, 1968

NUMBER OF DEGREES AWARDED IN 1967
Baccalaureate Degrees by Department: 1967
Master's Degrees by Department: 10

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 4; Geometry and Topology, 1; Analysis and Functional Analysis, 6; Probability and Statistics, 20; Computer Science and Numerical Analysis, 5; Applied Mathematics, 6. TOTAL: 42

<table>
<thead>
<tr>
<th>Type of financial assistance</th>
<th>Amount</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tbody>
<tr>
<td>Stipend</td>
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<td></td>
<td></td>
</tr>
<tr>
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<td>3250-4420</td>
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<tr>
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<td>3250-4180</td>
<td>11</td>
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<td>20 Research</td>
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</table>

**Baccalaureate major started September 1967.**
**University of Iowa**

IOWA CITY, IOWA 52240  
Robert H. Oehmke, Chairman  
Department of Mathematics  
Applications must be filed by March 1, 1968

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 8; Geometry and Topology, 4; Analysis and Functional Analysis, 3. TOTAL: 15

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Stipend</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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</thead>
<tbody>
<tr>
<td>Fellowship (19)</td>
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<td>Teaching Fellowship (16)</td>
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<tr>
<td>Scholarship (25)</td>
<td>100–410</td>
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<td>$410</td>
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</tr>
</tbody>
</table>

*Includes degrees in Statistics and Computer Science.

---

**University of Iowa**

IOWA CITY, IOWA 52240  
Robert V. Hogg, Chairman  
Department of Statistics  
Applications must be filed by March 1, 1968

PH. D. Degrees awarded during last three years by field of specialization: Probability and Statistics, 6.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Stipend</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (11)</td>
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<tr>
<td>Teaching Fellowship (2)</td>
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<td>12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (12)</td>
<td>2700–3300</td>
<td>9</td>
<td>$410</td>
<td>6</td>
</tr>
<tr>
<td>Research Assistantship (5)</td>
<td>2700–3300</td>
<td>9</td>
<td>$410</td>
<td>15</td>
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<tr>
<td>Scholarship (9)</td>
<td>410–800</td>
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</table>

---

**University of Iowa**

IOWA CITY, IOWA 52240  
Gerard P. Weeg, Chairman  
Department of Computer Science  
Applications must be filed by February 1, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Stipend</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<td>Fellowship (6)</td>
<td>2000–2600</td>
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<td>3–6</td>
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<tr>
<td>Teaching Assistantship (5)</td>
<td>2700</td>
<td>9</td>
<td>Tuition</td>
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</tr>
<tr>
<td>Scholarship (1 or 2)</td>
<td>300</td>
<td>9</td>
<td>Tuition</td>
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</tr>
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</table>

---

**KANSAS**

**Fort Hays Kansas State College**

HAYS, KANSAS 67601  
Wilmont Toalson, Chairman  
Department of Mathematics  
Applications must be filed by February 15, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Stipend</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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</thead>
<tbody>
<tr>
<td>Fellowship (2)</td>
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<td>$121.50</td>
<td>12</td>
</tr>
<tr>
<td>Teaching Assistantship (2)</td>
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<td>9</td>
<td>$121.50</td>
<td>20</td>
</tr>
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</table>

---

**NUMBER OF DEGREES AWARDED IN 1967**

<table>
<thead>
<tr>
<th>University</th>
<th>Baccalaureate Degrees by Institution</th>
<th>Baccalaureate Degrees by Department</th>
<th>Master's Degrees by Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>University of Iowa</td>
<td>1990</td>
<td>60*</td>
<td>25</td>
</tr>
<tr>
<td>Fort Hays Kansas State College</td>
<td>629</td>
<td>41</td>
<td>3</td>
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</tbody>
</table>
Kansas State College of Pittsburg

PITTSBURG, KANSAS 66762
Helen Kriegsman, Chairman
Department of Mathematics
Applications must be filed by March 1, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tr>
<td>Teaching Assistantship (6)</td>
<td>1933</td>
<td>$445/yr</td>
<td>Hrs/Week 6</td>
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</table>

NUMBER OF DEGREES AWARDED IN 1967

- Baccalaureate Degrees by Institution: 789
- Baccalaureate Degrees by Department: 37
- Master's Degrees by Department: 28

EMPIORIA, KANSAS 66801
Marion P. Emerson, Head
Department of Mathematics
Applications must be filed by April 1, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research Assistantship (2)</td>
<td>500–1000</td>
<td>$90</td>
<td>Hrs/Week 10–15</td>
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</table>

NUMBER OF DEGREES AWARDED IN 1967

- Baccalaureate Degrees by Institution: 1011
- Baccalaureate Degrees by Department: 44
- Master's Degrees by Department: 27

MANHATTAN, KANSAS 66502
John E. Maxfield, Chairman
Department of Mathematics
Applications must be filed by March 1, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
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<td>2025–3600</td>
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<td>Hrs/Week 3</td>
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<td>Teaching Assistantship (25)</td>
<td>2025–3275</td>
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<td>Hrs/Week 5–6</td>
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<tr>
<td>Research Assistantship (2)</td>
<td>2400–4200</td>
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<td>Hrs/Week 20</td>
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</table>

**All graduate students, whatever their support, must, for educational reasons, teach a minimum of one course each academic year.

University of Kansas

LAWRENCE, KANSAS 66044
G. Baley Price, Chairman
Department of Mathematics
Applications must be filed by February 15, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<td>Teaching Fellowship (3)</td>
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<td>Hrs/Week 5–6</td>
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<tr>
<td>Teaching Assistantship (75)</td>
<td>2300–3000</td>
<td>$275</td>
<td>Hrs/Week 20</td>
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<tr>
<td>Research Assistantship (5)</td>
<td>2000–2700</td>
<td>$275</td>
<td>Hrs/Week 6–8</td>
</tr>
</tbody>
</table>

Number of Ph.D. degrees awarded during last three years by field of specialization:

- Algebra and Number Theory: 7
- Geometry and Topology: 5
- Analysis and Functional Analysis: 8

TOTAL: 20

Wichita State University

WICHITA, KANSAS 67208
W. M. Perel, Head
Department of Mathematics
Applications must be filed by February 15, 1968

<table>
<thead>
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<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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</thead>
<tbody>
<tr>
<td>Teaching Assistantship (19)</td>
<td>2000</td>
<td>$11/hr.</td>
<td>Hrs/Week 6–8</td>
</tr>
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</table>

NUMBER OF DEGREES AWARDED IN 1967

- Baccalaureate Degrees by Institution: 988
- Baccalaureate Degrees by Department: 36
- Master's Degrees by Department: 21
**University of Kentucky**

LEXINGTON, KENTUCKY 40506  
W. C. Royster, Chairman  
Department of Mathematics  
Application for fellowships must be filed by February 1, 1968, and for assistantships March 1, 1968.

PH. D. Degrees awarded during last three years by field of specialization: Geometry and Topology, 1; Analysis and Functional Analysis, 6; Applied Mathematics, 1. TOTAL: 8

<table>
<thead>
<tr>
<th>Stipend Type</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tr>
<td>Fellowship (25)</td>
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<tr>
<td>Teaching Assistantship (55)</td>
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<tr>
<td>Research Assistantship (12)</td>
<td>2400-2800</td>
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**University of Louisville**

LOUISVILLE, KENTUCKY 40208  
W. H. Spragens, Chairman  
Department of Mathematics  
Applications must be filed by March 15, 1968

<table>
<thead>
<tr>
<th>Stipend Type</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tr>
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**Louisiana Polytechnic Institute**

RUSTON, LOUISIANA 71270  
W. B. Temple, Head  
Department of Mathematics  
Applications must be filed by February 1, 1968

<table>
<thead>
<tr>
<th>Stipend Type</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tbody>
<tr>
<td>Teaching Fellowship (15)</td>
<td>1800-3000</td>
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<td>Waived</td>
<td>3-9</td>
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</table>

**LOUISIANA POLYTECHNIC INSTITUTE**

The Mathematics Department of Louisiana Polytechnic Institute offers the B.S. and M.S. degrees. The mathematics faculty, including Ph.D.'s in Analysis, Algebra, Geometry, Topology, Probability, and Statistics, is experienced, competent and personally interested in its students. The Mathematics Department which is housed in a new building has a calculator laboratory furnished with new electronic desk calculators. Computer facilities consist of an IBM 1620 and an IBM 360. Fifteen assistantships and part-time teaching jobs are available and range in pay from $1800 to $3000 for nine months. Apply by February 1 to W. B. Temple, Head, Department of Mathematics, Ruston, Louisiana, 71270.
Louisiana State University

Baton Rouge, Louisiana 70803
L. I. Wade, Chairman
Department of Mathematics
Applications must be filed by March 15, 1968

Ph.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 5; Geometry and Topology, 7; Analysis and Functional Analysis, 5. TOTAL: 17

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tbody>
<tr>
<td>Fellowship (10)</td>
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<td>Teaching Assistantship (55)</td>
<td>3600</td>
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<td></td>
</tr>
<tr>
<td>Research Assistantship (5)</td>
<td>3600</td>
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<tr>
<td>Scholarship: NASA (3)</td>
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<tr>
<td>NDEA (5)</td>
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<td>NSF Traineeship (5)</td>
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</table>

*Plus dependency allowances.

Louisiana State University

New Orleans, Louisiana 70122
Manuel P. Berri, Acting Chairman
Department of Mathematics
Applications must be filed by March 15, 1968

NUMBER OF DEGREES AWARDED IN 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tbody>
<tr>
<td>Teaching Assistantship (12)</td>
<td>2150-2500</td>
<td>9</td>
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McNeese State College

Lake Charles, Louisiana 70601
Patrick L. Ford, Head
Department of Mathematics

NUMBER OF DEGREES AWARDED IN 1967

<table>
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<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tbody>
<tr>
<td>Teaching Assistantship (12)</td>
<td>2400</td>
<td>9</td>
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<tr>
<td>Research Assistantship (5)</td>
<td>2400</td>
<td>9</td>
<td></td>
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Northwestern State College

Natchitoches, Louisiana 71457
Russell Whittington, Jr., Chairman
Department of Mathematics
Applications must be filed by May 15, 1968

NUMBER OF DEGREES AWARDED IN 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
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<tbody>
<tr>
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Southeastern Louisiana College

Hammond, Louisiana 70401
Robert C. Brown, Head
Department of Mathematics
Applications must be filed by May 1968

NUMBER OF DEGREES AWARDED IN 1967

<table>
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<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
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<td>Teaching Assistantship (3)</td>
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<table>
<thead>
<tr>
<th>Stipend</th>
<th>Number of Degrees Awarded</th>
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<tbody>
<tr>
<td>Fellowship</td>
<td>1780 Baccalaureate Degrees by Institution</td>
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<tr>
<td>Teaching Assistantship (55)</td>
<td>393 Baccalaureate Degrees by Institution</td>
</tr>
<tr>
<td>Research Assistantship (5)</td>
<td>Baccalaureate Degrees by Institution</td>
</tr>
<tr>
<td>Scholarship: NASA (3)</td>
<td>608 Baccalaureate Degrees by Institution</td>
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<tr>
<td>NDEA (5)</td>
<td>623 Baccalaureate Degrees by Institution</td>
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<tr>
<td>NSF Traineeship (5)</td>
<td>600 Baccalaureate Degrees by Institution</td>
</tr>
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Stipends

- Fellowship: 3600 dollars for 12 months
- Teaching Assistantship: 3600 dollars for 12 months
- Research Assistantship: 3600 dollars for 12 months
- Scholarship: NASA: 2400-2800 dollars for 12 months
- NDEA (5): 2400-2800 dollars for 9 months
- NSF Traineeship (5): 2400-2800 dollars for 12 months

- Fellowship: 12 months
- Teaching Assistantship: 12 months
- Research Assistantship: 12 months
- Scholarship: NASA: 12 months
- NDEA (5): 9 months
- NSF Traineeship (5): 12 months

- Teaching Assistantship: 9 or 12 months
- Research Assistantship: 9 or 12 months
- Scholarship: NASA: 9 or 12 months
- NDEA (5): 9 or 12 months
- NSF Traineeship (5): 9 or 12 months

- Stipend: 9 or 12 months
- Tuition: if not included in stipend
- Service Required: Hrs/Week
- Type: Teaching

- Stipend: 9 or 12 months
- Tuition: if not included in stipend
- Service Required: Hrs/Week
- Type: Teaching

- Stipend: 9 or 12 months
- Tuition: if not included in stipend
- Service Required: Hrs/Week
- Type: Teaching

- Stipend: 9 or 12 months
- Tuition: if not included in stipend
- Service Required: Hrs/Week
- Type: Teaching

1004
Tulane University of Louisiana

NEW ORLEANS, LOUISIANA 70118
Gail S. Young, Chairman
Department of Mathematics
Applications must be filed by February 15, 1968

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 3; Geometry and Topology, 8; Logic, 1; Analysis and Functional Analysis, 8; Topological Algebra, 1.
TOTAL: 21

NUMBER OF DEGREES AWARDED IN 1967

<table>
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<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
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<tbody>
<tr>
<td>Fellowship (18)</td>
<td>2000–3400</td>
<td>12</td>
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<td>6</td>
<td>Teaching</td>
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<td>Teaching Assistantship (12)</td>
<td>2400–2800</td>
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</tr>
<tr>
<td>Research Assistantship (5)</td>
<td>2400–2900</td>
<td>9</td>
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<tr>
<td>Other (1)</td>
<td>1800</td>
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MAINE

Bowdoin College

BRUNSWICK, MAINE 04011
Dan E. Christie, Chairman
Department of Mathematics

NUMBER OF DEGREES AWARDED IN 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
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<tbody>
<tr>
<td>Academic Year Institute (10)</td>
<td>3450-5250</td>
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University of Maine

ORONO, MAINE 04473
Spofford H. Kimball, Head
Department of Mathematics

NUMBER OF DEGREES AWARDED IN 1967

<table>
<thead>
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<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
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</thead>
<tbody>
<tr>
<td>NSF Traineeship (2)</td>
<td>2400</td>
<td>9</td>
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</tbody>
</table>

MARYLAND

Johns Hopkins University

BALTIMORE, MARYLAND 21218
Philip Hartman, Chairman
Department of Mathematics
Applications must be filed by February 15, 1968

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 5; Geometry and Topology, 1; Analysis and Functional Analysis, 5. TOTAL: 11

NUMBER OF DEGREES AWARDED IN 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
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<tbody>
<tr>
<td>Teaching Assistantship* (25)</td>
<td>1350-2050</td>
<td>9</td>
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</tr>
<tr>
<td>Research Assistantship* (6)</td>
<td>500-2000</td>
<td>9 to 12</td>
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</tr>
</tbody>
</table>

*Teaching assistants can hold Research Assistantships.
**Johns Hopkins University**

BALTIMORE, MARYLAND 21205

Alan Ross, Chairman
Department of Biostatistics

Applications must be filed by December 1, 1967

PH. D. Degrees awarded during last three years by field of specialization: Biostatistics, 8.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tbody>
<tr>
<td>Fellowship (17)</td>
<td>2400-2800</td>
<td>12 mo.</td>
<td>Yes</td>
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</table>

**Johns Hopkins University**

BALTIMORE, MARYLAND 21218

Geoffrey S. Watson, Chairman
Department of Statistics

PH. D. Degrees awarded during last three years by field of specialization: Probability and Statistics, 6.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tbody>
<tr>
<td>Fellowship (1)</td>
<td>3000</td>
<td>12 mo.</td>
<td>$2000</td>
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<tr>
<td>Teaching Fellowship (1)</td>
<td>2000</td>
<td>9 mo.</td>
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</tr>
<tr>
<td>Research Assistantship (4)</td>
<td>3000 ea.</td>
<td>12</td>
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</tr>
<tr>
<td>NDEA (1)</td>
<td>2200</td>
<td>9 mo.</td>
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<tr>
<td>NSF Trainees (2)</td>
<td>2600 ea.</td>
<td>12</td>
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<tr>
<td>NIH Trainees (3)</td>
<td>approx. 3000 ea.</td>
<td>12</td>
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</table>

**University of Maryland**

COLLEGE PARK, MARYLAND 20742

Leon W. Cohen, Chairman
Department of Mathematics

Applications must be filed by March 15, 1968

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 3; Geometry and Topology, 5; Analysis and Functional Analysis, 24; Computer Science and Numerical Analysis, 1; Applied Mathematics, 3. TOTAL: 36

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tbody>
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<td>Fellowship (34)</td>
<td>3600–4000</td>
<td>$24/SH</td>
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<td>Teaching Assistantship (138)</td>
<td>2700–2950</td>
<td>incl.</td>
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<tr>
<td>Research Assistantship (18)</td>
<td>3000–3300</td>
<td>$24/SH</td>
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</table>

**UNIVERSITY OF MARYLAND**

In April 1967 The National Science Foundation announced a grant of $3.7 million for the intensive development of the physical and mathematical science departments on the College Park campus which have already exhibited significant strength in recent years. Under this grant, the Department of Mathematics is now offering annually sixteen Graduate Fellowships at $3,600 to qualified beginning graduate students and eight Senior Fellowships at $4,000 to advanced students.


See our listing for more details on financial aid. Write for further information and application forms to the Graduate Committee, Department of Mathematics, University of Maryland, College Park, Maryland 20742.
University of Maryland

COLLEGE PARK, MARYLAND 20742

William F. Atchison, Director
Computer Science Center

Applications must be filed by March 15, 1968

PH.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 6; Geometry and Topology, 3; Analysis and Functional Analysis, 3; Computer Science and Numerical Analysis, 6; Applied Mathematics, 5. TOTAL: 24

<table>
<thead>
<tr>
<th>Type of financial assistance</th>
<th>Stipend Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required Hrs/Week Type</th>
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<tbody>
<tr>
<td>Teaching Assistantship (7)</td>
<td>2700-3000 9</td>
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<td>6 Teaching</td>
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<td>Research Assistantship (14)</td>
<td>2700-3000 9</td>
<td></td>
<td>20 Programming and Research</td>
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<tr>
<td>NASA Traineeship (1)</td>
<td>2400-3400 12</td>
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MASSACHUSETTS

Boston College

CHESTNUT HILL, MASSACHUSETTS 02167

G. G. Bilodeau, Chairman
Department of Mathematics

Applications must be filed by February 15, 1968

PH.D. Degrees awarded during last three years by field of specialization: Analysis and Functional Analysis, 1; Probability and Statistics, 1; Computer Science and Numerical Analysis, 2. TOTAL: 4

<table>
<thead>
<tr>
<th>Type of financial assistance</th>
<th>Stipend Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required Hrs/Week Type</th>
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<td>Fellowship (1)</td>
<td>2400-2600 12</td>
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<td>6 Teaching</td>
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<td>Teaching Fellowship (14)</td>
<td>2100-2300 9</td>
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<td>12 Teaching and Research</td>
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<tr>
<td>Teaching Assistantship (3)</td>
<td>2000 9</td>
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</table>

Boston University

BOSTON, MASSACHUSETTS 02215

Francis Scheid, Chairman
Department of Mathematics

Applications must be filed by February 1, 1968

Ph.D. Degrees awarded during last three years by field of specialization: Analysis and Functional Analysis, 1; Probability and Statistics, 1; Computer Science and Numerical Analysis, 2. TOTAL: 4

<table>
<thead>
<tr>
<th>Type of financial assistance</th>
<th>Stipend Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required Hrs/Week Type</th>
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<tr>
<td>Teaching Fellowship (17)</td>
<td>2100-2700 9</td>
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<td>6 Teaching</td>
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<tr>
<td>Teaching Assistantship (2)</td>
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<td>15 Clerical</td>
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<td>NASA (2)</td>
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Brandeis University

WALTHAM, MASSACHUSETTS 02154

Richard S. Palais, Chairman
Department of Mathematics

Applications must be filed by February 1, 1968

Ph.D. Degrees awarded during last three years by field of specialization: TOTAL: 12

<table>
<thead>
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<th>Type of financial assistance</th>
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<th>Tuition, if not included in stipend</th>
<th>Service Required Hrs/Week Type</th>
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<td>Fellowship (23)</td>
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<td>Teaching Assistantship (28)</td>
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<tr>
<td>Research Assistantship (23)</td>
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<tr>
<td>Scholarship - Tuition (42)</td>
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Clark University

WORCESTER, MASSACHUSETTS 01610
Seymour Hayden, Chairman
Department of Mathematics
Applications must be filed by February 20, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
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<td>Fellowship (4)</td>
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<td>Teaching Fellowship (6)</td>
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<td>Research Assistantship (1)</td>
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<tr>
<td>Scholarship (2)</td>
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<td>Computer Fellowship (2)</td>
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<td>Computer Fellowship (2)</td>
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Stipend

<table>
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<th>Service Required</th>
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<td>Fellowship (4)</td>
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<tr>
<td>Teaching Fellowship (6)</td>
<td>2200–2800</td>
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</tr>
<tr>
<td>Research Assistantship (1)</td>
<td>2200–2300</td>
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</tr>
<tr>
<td>Scholarship (2)</td>
<td>1000</td>
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<tr>
<td>Computer Fellowship (2)</td>
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<tr>
<td>Computer Fellowship (2)</td>
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Harvard University

CAMBRIDGE, MASSACHUSETTS 02138
Andrew M. Gleason, Chairman
Department of Mathematics
Applications must be filed by December 15, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>Service Required</th>
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<tbody>
<tr>
<td>Fellowship (34)</td>
<td>1000–2250</td>
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<td>Scholarship (15)</td>
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Stipend

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>Service Required</th>
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<tr>
<td>Fellowship (6)</td>
<td>2000–3800</td>
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<td>Teaching Fellowship (8)</td>
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<td>Research Assistantship (4)</td>
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</table>

Harvard University

CAMBRIDGE, MASSACHUSETTS 02138
Frederick Mosteller, Chairman
Department of Statistics
Applications must be filed by December 15, 1967

PH.D. Degrees awarded during last three years by field of specialization: Applied Mathematics, 8.*

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>Service Required</th>
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<td>Fellowship (60)</td>
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<td>Waiver for tuition</td>
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<td>Scholarship (69)</td>
<td>2000–4500</td>
<td>$2000</td>
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</table>

*See note under the Division of Engineering and Applied Physics below.
Harvard University

CAMBRIDGE, MASSACHUSETTS 02138

Harvey Brooks, Chairman
Division of Engineering and Applied Mathematics

Apologies must be filed by December 1, 1967, for scholarship and by January 20 for other aid.

PH. D. Degrees awarded during last three years by field of specialization: Logic, 5; Probability and Statistics, 3; Computer Science and Numerical Analysis, 9; Applied Mathematics, 7; Applied Physics and Engineering, 61. TOTAL: 85

NOTE: Students in Applied Mathematics may work either under the Committee on Applied Mathematics or the Division of Engineering and Applied Mathematics, the latter being more specialized. Assistantships and Fellowships listed above under the Committee apply also to the Division.

Lowell Technological Institute

LOWELL, MASSACHUSETTS 01854

John A. Riley, Chairman
Department of Mathematics

Massachusetts Institute of Technology

CAMBRIDGE, MASSACHUSETTS 02139

W. T. Martin, Chairman
Department of Mathematics

Applications must be filed by February 15, 1968

Northeastern University

BOSTON, MASSACHUSETTS 02115

Harold L. Stubbs, Chairman
Department of Mathematics

Applications must be filed by March 1, 1968
Salem State College

SALEM, MASSACHUSETTS 01970
Carl J. Martini, Chairman
Department of Mathematics

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required Hrs/Week</th>
<th>Type</th>
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<tbody>
<tr>
<td>Research Assistantship (1)</td>
<td>1200</td>
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<td>5</td>
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</table>

Smith College

NORTHAMPTON, MASSACHUSETTS 01060
Alice B. Dickinson, Chairman
Department of Mathematics
Applications must be filed by February 15, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required Hrs/Week</th>
<th>Type</th>
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<tr>
<td>Scholarship (2 or 3)</td>
<td>1500–4000</td>
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<td>$1500</td>
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</table>

Southeastern Massachusetts Technological Institute

NORTH DARTMOUTH, MASSACHUSETTS 02747
Samuel A. Stone, Chairman
Department of Mathematics

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required Hrs/Week</th>
<th>Type</th>
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<tr>
<td>Teaching Assistantship (3)</td>
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<td>Teaching</td>
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University of Massachusetts

AMHERST, MASSACHUSETTS 01002
W. L. Strother, Chairman
Department of Mathematics
Applications must be filed by April 15, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (15)</td>
<td>2000–2800</td>
<td>9</td>
<td></td>
<td>3</td>
<td>Teaching</td>
</tr>
<tr>
<td>Teaching Fellowship (10)</td>
<td>3000–4400</td>
<td>9</td>
<td></td>
<td>6</td>
<td>Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (40)</td>
<td>2000–3000</td>
<td>9</td>
<td></td>
<td>6</td>
<td>Teaching</td>
</tr>
<tr>
<td>Part-time Instructor (10)</td>
<td>3000–4000</td>
<td>9</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Worcester Polytechnic Institute

WORCESTER, MASSACHUSETTS 01609
Elliott L. Buell, Chairman
Department of Mathematics
Applications must be filed by March 1, 1968 (for preference)

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (4)</td>
<td>2400</td>
<td>9</td>
<td>Remitted</td>
<td>20</td>
<td>Grading, Assisting</td>
</tr>
<tr>
<td>Graduate Assistantship (Computer Center) (6)</td>
<td>2400</td>
<td>9</td>
<td>Remitted</td>
<td>20</td>
<td>Programming, Consulting</td>
</tr>
</tbody>
</table>
### Andrews University

**BERRIEN SPRINGS, MICHIGAN 49104**

Edward J. Specht, Chairman  
Department of Mathematics

Applications must be filed by April 15, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (3)</td>
<td>1600</td>
<td>9 or $480</td>
<td>12 Teaching</td>
</tr>
<tr>
<td>Scholarship (3)</td>
<td></td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

**Number of Degrees Awarded in 1967**

- **Baccalaureate Degrees by Institution:** 203
- **Baccalaureate Degrees by Department:** 9
- **Master's Degrees by Department:** 8

### Eastern Michigan University

**YPSILANTI, MICHIGAN 48197**

Robert S. Pete, Chairman  
Department of Mathematics

Applications must be filed by April 1, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (12)</td>
<td>2700-3300</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Scholarship (3)</td>
<td></td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

**Number of Degrees Awarded in 1967**

- **Baccalaureate Degrees by Institution:** 2745
- **Baccalaureate Degrees by Department:** 450
- **Master's Degrees by Department:** 1

### Michigan State University

**EAST LANSING, MICHIGAN 48823**

C. P. Wells, Chairman  
Department of Mathematics

Applications must be filed by March 15, 1968

**PH. D. Degrees awarded during last three years by field of specialization:** Algebra and Number Theory, 6; Geometry and Topology, 6; Analysis and Functional Analysis, 2; Computer Science and Numerical Analysis, 3. **TOTAL: 20**

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (32)</td>
<td>2000-4400</td>
<td>9 to 12 $348</td>
<td>6 Teaching</td>
</tr>
<tr>
<td>Teaching Fellowship (2)</td>
<td>2500-3400</td>
<td>9 to 12</td>
<td>6 Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (125)</td>
<td>2500-4000</td>
<td>9</td>
<td>6 Research</td>
</tr>
<tr>
<td>Research Assistantship (2)</td>
<td>2500-3000</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Scholarship (5)</td>
<td>500</td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

**Number of Degrees Awarded in 1967**

- **Baccalaureate Degrees by Institution:** 5025
- **Baccalaureate Degrees by Department:** 150
- **Master's Degrees by Department:** 78

### Michigan State University

**EAST LANSING, MICHIGAN 48823**

James Stapleton, Acting Chairman  
Department of Statistics and Probability

**PH. D. Degrees awarded during last three years by field of specialization:** Probability and Statistics, 6.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (5)</td>
<td>1800-2700</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (30)</td>
<td>2510-2880</td>
<td>9</td>
<td>4 Teaching</td>
</tr>
<tr>
<td>Research Assistantship (6)</td>
<td>2790-2880</td>
<td>9</td>
<td>10 Research</td>
</tr>
</tbody>
</table>

### Northern Michigan University

**MARQUETTE, MICHIGAN 49855**

Donna J. Ringwall, Instructor  
Department of Mathematics

Applications must be filed by March 15, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (5)</td>
<td>2400</td>
<td>9</td>
<td>6 Teaching</td>
</tr>
</tbody>
</table>
Oakland University

ROCHESTER, MICHIGAN 48063
G. Philip Johnson, Chairman
Department of Mathematics

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs./Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (9)</td>
<td>2400–3800</td>
<td>9 to 12</td>
<td>$514–$771</td>
<td></td>
<td>6</td>
<td>Teaching</td>
</tr>
</tbody>
</table>

University of Detroit

DETROIT, MICHIGAN 48221
B. V. Ritchie, Chairman
Department of Mathematics

Applications must be filed by March 15, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs./Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Fellowship (12)</td>
<td>1800–2400</td>
<td>9</td>
<td></td>
<td></td>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>

University of Michigan

ANN ARBOR, MICHIGAN 48104
William J. LeVeque, Chairman
Department of Mathematics

Applications must be filed by February 1, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs./Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship* (60)</td>
<td>1796–3372</td>
<td>9</td>
<td>$380–$460</td>
<td>Full-time Study</td>
<td>4–6</td>
<td></td>
</tr>
<tr>
<td>Teaching Fellowship** (110)</td>
<td>500–1600</td>
<td>9</td>
<td>$460–$1400</td>
<td>4–12 Assisting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (15)</td>
<td>2358–3800</td>
<td>9</td>
<td>$380–$1400</td>
<td>Full-time Study</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scholarship*** (7)</td>
<td>up to 2000</td>
<td>9</td>
<td>$380–$1400</td>
<td>Full-time Study</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*All types, including institutional, NSF Traineeships, NDEA Fellowships and Actuarial Science Fellowships. Some are available on a twelve month basis with proportionately higher stipends.

**Approximately thirty will be combination appointments consisting of a four-hour teaching fellowship and a supplementary University Fellowship or research assistantship.

***Primarily for students in Actuarial Science.

University of Michigan

ANN ARBOR, MICHIGAN 48104
Arthur W. Burks, Chairman
Department of Communication Sciences

Applications must be filed by February 1, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs./Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (17)</td>
<td>2400</td>
<td>9 or 12</td>
<td>Incl.</td>
<td></td>
<td>2–4</td>
<td>Teaching</td>
</tr>
<tr>
<td>Research Fellowship (9)</td>
<td>942–1084</td>
<td>9</td>
<td>In-state</td>
<td></td>
<td>20</td>
<td>Research</td>
</tr>
<tr>
<td>Research Assistantship (38)</td>
<td>2680</td>
<td>12</td>
<td>Student pays</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other (13)</td>
<td></td>
<td></td>
<td>Self-supported</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Wayne State University

DETROIT, MICHIGAN 48202
Karl W. Folley, Chairman
Department of Mathematics
Applications must be filed by March 15, 1968

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 2; Geometry and Topology, 5; Analysis and Functional Analysis, 8; Probability and Statistics, 4; Computer Science and Numerical Analysis, 1. TOTAL: 20

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (11)</td>
<td>2400 and up, 9 &amp; 12</td>
<td>$336</td>
<td>6, Teaching</td>
</tr>
<tr>
<td>Teaching Fellowship (35)</td>
<td>3000-3800, 9 &amp; 12</td>
<td>$336</td>
<td>6, Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (40)</td>
<td>2700-3900, 9 &amp; 12</td>
<td>$336</td>
<td>6, Teaching</td>
</tr>
</tbody>
</table>

Western Michigan University

KALAMAZOO, MICHIGAN 49001
A. Bruce Clarke, Head
Department of Mathematics
Applications must be filed by March 1, 1968

New PH. D. program.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (25)</td>
<td>2400-3700, 10</td>
<td>$285</td>
<td>6, Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (30)</td>
<td>2400-2600, 8</td>
<td>$285</td>
<td>6, Teaching</td>
</tr>
<tr>
<td></td>
<td>3000-3200, 10</td>
<td>$285</td>
<td>6, Teaching</td>
</tr>
</tbody>
</table>

MINNESOTA

Bemidji State College

BEMIDJI, MINNESOTA 56601
Harold T. Peters, Chairman
Division of Science and Mathematics

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (1)</td>
<td>2100, 9</td>
<td>$7/qtr</td>
<td>6, Teaching</td>
</tr>
</tbody>
</table>

*Resident: $7.00 credit hr.; Nonresident: $10.00 credit hr.; Student Fees: $20.00 if registered for 9 or more credit hrs., $10.00 if registered for less than 9 credit hrs.

Mankato State College

MANKATO, MINNESOTA 56001
Francis C. Hatfield, Chairman
Department of Mathematics and Astronomy
Applications must be filed by April 1, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (5)</td>
<td>1200, 9</td>
<td>$7/qtr</td>
<td>10-12, Teaching</td>
</tr>
</tbody>
</table>
PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 3; Geometry and Topology, 2; Logic, 1; Analysis and Functional Analysis, 15; Probability and Statistics, 1; Applied Mathematics, 1; Others, 1. TOTAL: 24

University of Minnesota

MINNEAPOLIS, MINNESOTA 55455

Hans F. Weinberger, Head
Department of Mathematics

Applications must be filed by February 15, 1968

NUMBER OF DEGREES AWARDED IN 1967

Baccalaureate Degrees by Institution: 5436
Baccalaureate Degrees by Department: 135
Master's Degrees by Department: 18

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 3; Geometry and Topology, 2; Logic, 1; Analysis and Functional Analysis, 15; Probability and Statistics, 1; Applied Mathematics, 1; Others, 1. TOTAL: 24

Stipend

Type of financial assistance (with number anticipated in 1968–1969)

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount (dollars) 12 mo.</th>
<th>Service Required</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (25)</td>
<td>2400–3500 9 to 12</td>
<td>$385</td>
<td>5–7</td>
</tr>
<tr>
<td>Teaching Assistantship (30)</td>
<td>2000–3800 9 to 12</td>
<td>$385</td>
<td>5–7</td>
</tr>
<tr>
<td>Research Assistantship (90)</td>
<td>2700–3500 9 to 12</td>
<td>$355</td>
<td></td>
</tr>
<tr>
<td>Research Assistantship in Numerical Analysis Center (30)</td>
<td>approx. 2600 9</td>
<td>$385</td>
<td></td>
</tr>
</tbody>
</table>

University of Minnesota

MINNEAPOLIS, MINNESOTA 55455

B. W. Lindgren, Chairman
Department of Statistics

Applications must be filed by April 1, 1968

PH. D. Degrees awarded during last three years by field of specialization: Probability and Statistics, 13.

Stipend

Type of financial assistance (with number anticipated in 1968–1969)

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount (dollars) 12 mo.</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (10)</td>
<td>2400–2800 12</td>
<td>$174/sem.</td>
</tr>
<tr>
<td>Teaching Assistantship (9)</td>
<td>2520–3150 9</td>
<td>3–6 Teaching</td>
</tr>
<tr>
<td>Research Assistantship (4)</td>
<td>2430 9</td>
<td></td>
</tr>
</tbody>
</table>

Mississippi State University

STATE COLLEGE, MISSISSIPPI 3762

Roy D. Sheffield, Head
Department of Mathematics

Applications must be filed by March 15, 1968

NEW PH. D. PROGRAM

Stipend

Type of financial assistance (with number anticipated in 1968–1969)

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount (dollars) 12 mo.</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (12)</td>
<td>1500–3000 9</td>
<td></td>
</tr>
</tbody>
</table>

University of Mississippi

UNIVERSITY, MISSISSIPPI 38677

T. A. Bickerstaff, Chairman
Department of Mathematics

Applications must be filed by February 1, 1968

New PH. D. Program.
### Northeast Missouri State Teachers College

**KIRKSVILLE, MISSOURI 63501**

Dale Woods, Head

Department of Mathematics

Applications must be filed by March 1, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stipend</td>
<td>Amount (dollars)</td>
<td>9 or 12 mo.</td>
<td>$30</td>
</tr>
<tr>
<td>Teaching Assistantship (4)</td>
<td>1200</td>
<td>9</td>
<td>4</td>
</tr>
</tbody>
</table>

### St. Louis University

**ST. LOUIS, MISSOURI 63103**

Francis Regan, Chairman

Department of Mathematics

Applications must be filed by February 1, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stipend</td>
<td>Amount (dollars)</td>
<td>9 or 12 mo.</td>
<td>$30</td>
</tr>
<tr>
<td>Teaching Fellowship (5)</td>
<td>2500</td>
<td>9</td>
<td>6</td>
</tr>
<tr>
<td>Teaching Assistantship (3)</td>
<td>3200</td>
<td>9</td>
<td>9</td>
</tr>
<tr>
<td>Scholarship (6)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NASA and NSF (8)</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

### University of Missouri

**COLUMBIA, MISSOURI 65201**

Joseph L. Zemmer, Chairman

Department of Mathematics

Applications must be filed by March 1, 1968, for Fellowships, and by April 1, 1968, for Assistantships.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stipend</td>
<td>Amount (dollars)</td>
<td>9 or 12 mo.</td>
<td>$30</td>
</tr>
<tr>
<td>Fellowship (5)</td>
<td>2400</td>
<td>9 or 12 mo.</td>
<td>8</td>
</tr>
<tr>
<td>per dependent</td>
<td>400</td>
<td>9 or 12 mo.</td>
<td>8</td>
</tr>
<tr>
<td>Teaching Assistantship (8)</td>
<td>3000–3200</td>
<td>9 or 12 mo.</td>
<td>8</td>
</tr>
</tbody>
</table>

*University charges fees of about $175 per semester.

### University of Missouri

**COLUMBIA, MISSOURI 65201**

Frederick Williams, Chairman

Department of Statistics

Applications must be filed by April 15, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stipend</td>
<td>Amount (dollars)</td>
<td>9 or 12 mo.</td>
<td>$30</td>
</tr>
<tr>
<td>Fellowship (10)</td>
<td>2000–2800</td>
<td>9 to 12 mo.</td>
<td>6</td>
</tr>
<tr>
<td>Research Assistantship (15)</td>
<td>2600</td>
<td>9</td>
<td>11</td>
</tr>
<tr>
<td>Statistical Consultant (1)</td>
<td>3500</td>
<td>11</td>
<td>Full-time in summer</td>
</tr>
</tbody>
</table>

*University charges fees of about $175 per semester.
University of Missouri

KANSAS CITY, MISSOURI 64110
Paul Liebnitz, Chairman
Department of Mathematics

NUMBER OF DEGREES AWARDED IN 1967
Baccalaureate Degrees by Institution: 530
Baccalaureate Degrees by Department: 15
Master's Degrees by Department: 5

Type of financial assistance (with number anticipated in 1968-1969)

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (10)</td>
<td>2775 and up</td>
<td>9</td>
<td>$375</td>
<td>12</td>
</tr>
<tr>
<td>NSF Traineeships (2)</td>
<td>2400 plus 500 per dependent</td>
<td>9</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

University of Missouri at Rolla

ROLLA, MISSOURI 65401
Joe R. Foote, Chairman
Department of Mathematics

Applications must be filed by March 15, 1968

NUMBER OF DEGREES AWARDED IN 1967
Baccalaureate Degrees by Institution: 610
Baccalaureate Degrees by Department: 24
Master's Degrees by Department: 36

Type of financial assistance (with number anticipated in 1968-1969)

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (5)</td>
<td>2400-2600</td>
<td>9</td>
<td>$300</td>
<td>Research</td>
</tr>
<tr>
<td>Teaching Assistantship (29)</td>
<td>2800-3100</td>
<td>9</td>
<td>$300</td>
<td>16</td>
</tr>
<tr>
<td>Research Assistantship (2)</td>
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<td></td>
</tr>
</tbody>
</table>

UNIVERSITY OF MISSOURI AT KANSAS CITY
GRADUATE STUDY IN MATHEMATICS
1968-1969

The University of Missouri at Kansas City offers the Master of Arts, Master of Science and Doctor of Philosophy degrees in mathematics. The doctoral program is new and evolved from a master’s program offered for seventeen years.

The Linda Hall Library of Science and Technology, one of the finest science libraries in the nation with a separate endowment of twenty-five million dollars, is adjacent to our campus. Linda Hall Library subscribes to more than three hundred mathematical journals and has an outstanding mathematics collection. The University has full access to its holdings and services.

Courses and seminars will be offered next year in algebra, analysis and topology. Most doctoral research is now being conducted in point-set topology.

The Department of Mathematics invites applications for graduate assistantships with stipends starting at $2775. Fees, amounting to $375 per year, are not included in these stipends.

Some NSF traineeships will also be available, and each applicant for a graduate assistantship will be considered for such an award.

For information and application forms write

Dean, School of Graduate Studies
University of Missouri at Kansas City  Kansas City, Missouri 64110

1016
University of Missouri at Rolla

ROLLA, MISSOURI 65401
R. F. Davidson, Chairman
Department of Engineering Mechanics
Applications must be filed by March 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tr>
<td>Teaching Assistantship (5)</td>
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<td>2400</td>
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Washington University

ST. LOUIS, MISSOURI 63130
Guido Weiss, Chairman
Department of Mathematics
Applications must be filed by February 15, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
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<td>2500-2600</td>
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<tr>
<td>Research Assistantship* (6)</td>
<td>2500-2600</td>
<td>Waived</td>
<td></td>
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</table>

*All awarded carry additional sums for dependents. In most cases students may earn between $500 and $1000 in addition each year.

UNIVERSITY OF MISSOURI AT ROLLA
Applied Mathematics and Computer Science Openings

The largest school of science and engineering west of the Mississippi River has established a program leading to the Ph.D. in Mathematics, with emphasis in applied mathematics and computer science. B.S. and M.S. degrees in both of these fields have been offered for several years and growth opportunity is available in any field of applied mathematics. Faculty positions are available at any rank and competitive salaries are offered since the University of Missouri has begun a determined effort to provide first-quality graduate education. Immediate openings include professorships in computer science for the Spring term. Visiting professorships and positions for outstanding persons in any area of mathematics also are available for Spring or Fall 1968. Emphasis is on research and graduate teaching.

Applications for graduate assistantships are invited. Interdisciplinary curricula are emphasized in applied mathematics. Programs in analysis, applied mathematics, and statistics are available, as well as in computer science: computer design, numerical analysis, operations research, and programming systems. For further information, write or call

Area 314, 364-3420

Dr. Joe R. Foote, Chairman
Department of Mathematics
University of Missouri at Rolla
Rolla, Missouri 65401

1017
## MONTANA

**Montana State University**

BOZEMAN, MONTANA 59715  
Louis C. Barrett, Head  
Department of Mathematics

Applications must be filed by February 1, 1968

<table>
<thead>
<tr>
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## NEBRASKA

**Chadron State College**

CHADRON, NEBRASKA 69337  
Arthur W. Struempler, Chairman  
Department of Science and Mathematics

Applications must be filed by March 15, 1968

<table>
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<tr>
<td>Teaching Assistantship (1)</td>
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<td>Paid</td>
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*In mathematics only.*

**Creighton University**

OMAHA, NEBRASKA 68131  
Derek J. H. Fuller, Chairman  
Department of Mathematics

Applications must be filed by March 15, 1968

<table>
<thead>
<tr>
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<td>Teaching Fellowship (4)</td>
<td>2100–2200 9</td>
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**Kearney State College**

KEARNEY, NEBRASKA 68847  
L. M. Larsen, Head  
Department of Mathematics

Applications must be filed by April 1, 1968

<table>
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<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
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<tr>
<td>Teaching Assistantship (6–7)</td>
<td>2000 9</td>
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University of Nebraska

LINCOLN, NEBRASKA 68508
Edwin Halfar, Chairman
Department of Mathematics
Applications must be filed by March 1, 1968

PH.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 7; Geometry and Topology, 1; Logic, 2; Analysis and Functional Analysis, 7; Probability and Statistics, 2. TOTAL: 19

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tr>
<td>Fellowship (8)</td>
<td>2200-2600 9</td>
<td>$175 4-6</td>
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<td>Teaching Assistantship (35)</td>
<td>2500-3000 9</td>
<td>$175 15</td>
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<td>2500 9</td>
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</table>

University of Omaha

OMAHA, NEBRASKA 68101
H. L. Hunzeker, Chairman
Department of Mathematics
Applications must be filed by March 1, 1968

PH.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 7; Geometry and Topology, 1; Logic, 2; Analysis and Functional Analysis, 7; Probability and Statistics, 2. TOTAL: 19

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
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<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tr>
<td>Teaching Fellowship (10)</td>
<td>2000 9</td>
<td>$175 6</td>
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</table>

University of Nevada

RENO, NEVADA 89507
E. M. Beesley, Chairman
Department of Mathematics
Applications must be filed by March 15, 1968

PH.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 7; Geometry and Topology, 1; Logic, 2; Analysis and Functional Analysis, 7; Probability and Statistics, 2. TOTAL: 19

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
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<th>Tuition, if not included in stipend</th>
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<tbody>
<tr>
<td>Teaching Assistantship (8-10)</td>
<td>2300-2500 9</td>
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<td></td>
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NEW HAMPSHIRE

Dartmouth College

HANOVER, NEW HAMPSHIRE 03755
Donald L. Kreider, Chairman
Department of Mathematics
Applications must be filed by March 1, 1968

PH.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 2; Logic, 1; Analysis and Functional Analysis, 2; Probability and Statistics, 3. TOTAL: 8

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
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<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tbody>
<tr>
<td>Fellowship (7)</td>
<td>2600-3200 12</td>
<td>0-4 Teaching</td>
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<td>Teaching Fellowship (9)</td>
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<td>0-4 Teaching</td>
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<tr>
<td>Research Assistantship (3)</td>
<td>2000-2400 9</td>
<td>0-4 Research</td>
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University of New Hampshire

DURHAM, NEW HAMPSHIRE 03824

M. Evans Munroe
Department of Mathematics
Applications must be filed by February 15, 1968

PH. D. Degrees awarded during last three years by field of specialization: Analysis and Functional Analysis, 1.

Fairleigh Dickinson University

TEANECK, RUTHERFORD, NEW JERSEY 07666, 07070

Mabel Dukeshire, Chairman
Department of Mathematics
Applications must be filed by March 1, 1968

Stipend

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
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<tbody>
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<tr>
<td>Teaching Assistantship (10)</td>
<td>2400</td>
<td>9</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (2)</td>
<td>2800-2800</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Scholarship (5)</td>
<td>Tuition only</td>
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Stipend

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<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Fellowship (5)</td>
<td>2000</td>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research/Teaching Assistantship (6)</td>
<td>3000</td>
<td>12</td>
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</table>

Fairleigh Dickinson University

MADISON, NEW JERSEY 07940

H. A. Elkholy, Chairman
Department of Mathematics and Physics
Applications must be filed by March 1, 1968

Stipend

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
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<tbody>
<tr>
<td>Teaching Fellowship (5)</td>
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<td>$45 per cr.</td>
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Montclair State College

MONTCLAIR, NEW JERSEY 07043

Paul C. Clifford, Chairman
Department of Mathematics
Applications must be filed by May 1, 1968

Stipend

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
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</thead>
<tbody>
<tr>
<td>Teaching Assistantship (4)</td>
<td>2000</td>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Newark College of Engineering

Newark, New Jersey 07102
Henry Zatzkis, Chairman
Department of Mathematics

NOTE: We offer instructorships to those having a Master's. These people study for the Ph.D. at nearby institutions such as Columbia University and New York University. The salary range for instructors is $7018 to $9124 in 7 steps of $351 each. In addition, the Faculty Development Fund pays half the tuition costs for graduate study at these universities. We now have nine instructors receiving such assistance.

Princeton University

PRINCETON, NEW JERSEY 08540
Gilbert A. Hunt, Chairman
Department of Mathematics

Applications must be filed by January 15, 1968

Baccalaureate Degrees by Institution: 750
Baccalaureate Degrees by Department: 20
Master's Degrees by Department: 12

PH.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 7; Geometry and Topology, 13; Logic, 2; Analysis and Functional Analysis, 11; Probability and Statistics, 8; Applied Mathematics, 1; Mathematical Physics, 1. TOTAL: 43

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
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<th>Tuition, if not included in stipend</th>
<th>Service Required Hrs/Week Type</th>
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<tbody>
<tr>
<td>NSF Fellowship (30)</td>
<td>2400–2800</td>
<td>either</td>
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<td>*</td>
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<tr>
<td>Teaching Fellowship** (4)</td>
<td>2400–2800</td>
<td>9</td>
<td>*</td>
<td>6</td>
</tr>
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<tr>
<td>Research Assistantship (10)</td>
<td>3100</td>
<td>9</td>
<td>$1100</td>
<td>10</td>
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<tr>
<td>Princeton Fellowship (9)</td>
<td>2200–2600</td>
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<td>$1950</td>
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<td>Danforth (2)</td>
<td>2800</td>
<td>9</td>
<td>$1950</td>
<td></td>
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</tbody>
</table>

Tuition paid by NSF.
**NSF Traineeship.

NOTE: Teaching Assistants who have not passed General Examination receive automatic rebate in tuition fee of $850; after passing Generals rebate in tuition of $1225. Research Assistants receive tuition rebates of $850 before Generals, $1225 after passing Generals.

Princeton University

PRINCETON, NEW JERSEY 08540
J. W. Tukey, Chairman
Department of Statistics

Applications must be filed by January 15, 1968

PH.D. Degrees awarded during last three years by field of specialization: Probability and Statistics, 3.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required Hrs/Week Type</th>
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<tbody>
<tr>
<td>Fellowship (3)</td>
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<td></td>
<td>8 Research</td>
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<tr>
<td>Research Assistantship (2)</td>
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<td></td>
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</table>

Rutgers, The State University

NEW BRUNSWICK, NEW JERSEY 08903
Kenneth G. Wolfson, Chairman
Department of Mathematics

Applications must be filed by March 15, 1968

PH.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 3; Geometry and Topology, 2; Logic, 2; Analysis and Functional Analysis, 2. TOTAL: 9

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
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<th>Tuition, if not included in stipend</th>
<th>Service Required Hrs/Week Type</th>
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<tbody>
<tr>
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<tr>
<td>Teaching Fellowship (15)</td>
<td>2619</td>
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<td></td>
<td>6 Teaching</td>
</tr>
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<td>Teaching Assistantship (15)</td>
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<td>Research Assistantship (20)</td>
<td>2619</td>
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</table>

1021
### Rutgers, The State University

**NEW BRUNSWICK, NEW JERSEY 08903**

Ellis R. Ott, Director
Statistics Center

Applications must be filed by February 1, 1968

PH.D. Degrees awarded during last three years by field of specialization: Statistics, 10.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>Hrs/Week</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tr>
<td>Fellowship (3)</td>
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<td>$225 or 0</td>
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<tr>
<td>Research Assistantship (15)</td>
<td>1309 or 2619</td>
<td>7 1/2 or 15</td>
<td>Research</td>
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<td>Master's Degrees by Department:</td>
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### Seton Hall University

**SOUTH ORANGE, NEW JERSEY 07079**

Joseph W. Andrushkiw, Chairman
Department of Mathematics

Applications must be filed by March 1, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>Hrs/Week</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<td>Master's Degrees by Department:</td>
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### Stevens Institute of Technology

**HOBOKEN, NEW JERSEY 07030**

Paul D. Ritger, Acting Head
Department of Mathematics

Applications must be filed by February 15, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>Hrs/Week</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Type</th>
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<tbody>
<tr>
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<td>2400-2900</td>
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<tr>
<td>Research Assistantship (5)</td>
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### NEW MEXICO

### Eastern New Mexico University

**PORTALES, NEW MEXICO 88130**

C. K. Wilson, Chairman
Department of Mathematics

Applications must be filed by March 1, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>Hrs/Week</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Type</th>
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<td>Teaching Assistantship (6)</td>
<td>2000</td>
<td>6</td>
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<tr>
<td>Out-of-State Waived</td>
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<tr>
<td>Baccalaureate Degrees by Institution:</td>
<td>500</td>
<td></td>
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<tr>
<td>Baccalaureate Degrees by Department:</td>
<td>20</td>
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<tr>
<td>Master's Degrees by Department:</td>
<td>4</td>
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</tr>
</tbody>
</table>

### New Mexico Highlands University

**LAS VEGAS, NEW MEXICO 87701**

Randall M. Cookling, Head
Department of Mathematics

Applications must be filed by April 15, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>Hrs/Week</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (3)</td>
<td>2000</td>
<td>15</td>
<td></td>
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</tr>
<tr>
<td>Research Assistantship (2)</td>
<td>2000</td>
<td>15</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
GRADUATE STUDY
AT
NEW MEXICO STATE UNIVERSITY

A MATHEMATICAL OASIS
IN THE
SUNNY SOUTHWEST

Did you know that New Mexico State University:

Received in the spring of 1966 an NSF grant that is the prototype of the NSF Departmental Development Grants announced in the fall of 1966?


Has turned out more than 30 Ph.D.’s in mathematics since granting its first doctorate in 1960?

Offers semi-private offices in its new (1966) mathematics building to all teaching assistants and fellows?

Has an active mathematics research and teaching faculty of over 30 and a low student-faculty ratio, thus assuring close contact between staff and student?

For further information, write:

Department of Mathematical Sciences
New Mexico State University
Las Cruces, New Mexico 88001
New Mexico Institute of Mining and Technology

SOCORRO, NEW MEXICO 87801
Ralph W. Ball, Chairman
Department of Mathematics
Applications must be filed by March 15, 1968

NUMBER OF DEGREES AWARDED IN 1967
Baccalaureate Degrees by Institution: 40
Baccalaureate Degrees by Department: 11

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (1)</td>
<td>2400 + 500 ea dependent</td>
<td>12</td>
<td>$90</td>
<td>6 contact hrs. of teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (5)</td>
<td>2400–3000</td>
<td>9*</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Some 12 months assistantships are available which call for full-time employment in the summer in addition to the part-time employment listed for the academic year. These range from $4000–$5000 for the 12 month period.

New Mexico State University

LAS CRUCES, NEW MEXICO 88001
John B. Giever, Chairman
Department of Mathematical Sciences
Applications must be filed by February 15, 1968

NUMBER OF DEGREES AWARDED IN 1967
Baccalaureate Degrees by Institution: 581
Baccalaureate Degrees by Department: 24
Master’s Degrees by Department: 8

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 3; Geometry and Topology, 5; Analysis and Functional Analysis, 4. TOTAL: 12

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (18)</td>
<td>2000–3000</td>
<td>9</td>
<td>In-State</td>
<td>20</td>
</tr>
<tr>
<td>Teaching Assistantship (35)</td>
<td>2600–3000</td>
<td>9</td>
<td>In-State</td>
<td>20</td>
</tr>
<tr>
<td>Research Assistantship (10)</td>
<td>2600–3000</td>
<td>9</td>
<td>In-State</td>
<td>20</td>
</tr>
<tr>
<td>Scholarship (undergrad) (30)</td>
<td>650–850</td>
<td>9</td>
<td>$390</td>
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New Mexico State University

UNIVERSITY PARK, NEW MEXICO 88001
J. Mack Adams, Director
Computer Center

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or Tuition, if not included in stipend</th>
<th>Service Required</th>
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</thead>
<tbody>
<tr>
<td>Teaching Assistantship (4)</td>
<td>2300</td>
<td>9</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

University of New Mexico

ALBUQUERQUE, NEW MEXICO 87106
J. R. Blum, Chairman
Department of Mathematics and Statistics
Applications must be filed by February 15, 1968

NUMBER OF DEGREES AWARDED IN 1967
Baccalaureate Degrees by Institution: 1055
Baccalaureate Degrees by Department: 20
Master’s Degrees by Department: 3

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 4; Geometry and Topology, 2; Probability and Statistics, 2; Applied Mathematics, 2. TOTAL: 10

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (12)</td>
<td>2400–3400</td>
<td>9</td>
<td>Paid</td>
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<tr>
<td>Teaching Assistantship (18)</td>
<td>2400–3400</td>
<td>9</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>Research Assistantship (3)</td>
<td>2400–3400</td>
<td>9</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>Graduate Assistant (18)</td>
<td>2400–2600</td>
<td>9</td>
<td>20</td>
<td>20</td>
</tr>
</tbody>
</table>
Alfred University

ALFRED, NEW YORK 14802
Robert W. Sloan, Chairman
Department of Mathematics

NEW YORK

NUMBER OF DEGREES AWARDED IN 1967
Baccalaureate Degrees by Institution: 250
Baccalaureate Degrees by Department: 5

Type of financial assistance (with
number anticipated in 1968–1969)
Stipend

<table>
<thead>
<tr>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Fellowship (3)</td>
<td>3000</td>
<td>9</td>
<td>$1500</td>
</tr>
</tbody>
</table>

Brooklyn College

BROOKLYN, NEW YORK 11210
James Singer, Chairman
Department of Mathematics
Applications must be filed by March 15, 1968

NUMBER OF DEGREES AWARDED IN 1967
Baccalaureate Degrees by Institution: 2000
Baccalaureate Degrees by Department: 150
Master's Degrees by Department: 5

Type of financial assistance (with
number anticipated in 1968–1969)
Stipend

<table>
<thead>
<tr>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Fellowship (3)</td>
<td>3150–3250</td>
<td>9</td>
<td>$15/hr./yr.</td>
</tr>
<tr>
<td>Lecturer (3)</td>
<td>$13 per hr.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

UNIVERSITY OF NEW MEXICO

The Mathematics Department of the University of New Mexico has recently been awarded a Departmental Development Grant by the National Science Foundation. This award, the first of its kind given to a Mathematics Department, is in recognition of substantial past development in graduate instruction and research, and to enable this progress to continue at an accelerated rate.

A staff of about 30 faculty members offers instruction and supervision leading to the Master's Degree and Doctorate in probability, mathematical statistics, classical and modern analysis, numerical analysis, algebra and topology.

Financial aid for qualified graduate students is available through teaching assistantships, research assistantships, and fellowships, including several supported by such agencies as NSF, NASA, and NDEA. The opportunity of working in sponsored research under Project Themis is also available.

Interested students are invited to send inquiries by February 1 to

J. R. Blum, Chairman
Department of Mathematics and Statistics
University of New Mexico
Albuquerque, New Mexico 87106
City University of New York, City College

NEW YORK, NEW YORK 10031
Gerald Freilich, Chairman
Department of Mathematics

Number of degrees awarded in 1967
Baccalaureate degrees by institution: 3262
Baccalaureate degrees by department: 185
Master's degrees by department: 8

Type of financial assistance (with number anticipated in 1968-1969)

| Type of financial assistance | Amount (dollars) | 9 or Tuition, if not Service Required |
|------------------------------|------------------|-------------------------------------|-------------------------------------|
| Teaching Assistantship (5)   | 3100             | 9                                   | Tuition included in stipend |
| Scholarship (2)              | 750              | 9                                   | $750 |
| Non Teaching Assistantship (2) | 2000-3000      | 9                                   | $750 |

Amount

9 or
Tuition, if not
included in stipend

Service Required

Hrs./Week

Type

12 mo.

4

City University of New York, Graduate Center

NEW YORK, NEW YORK 10036
Leo Zippin, Executive Officer
Department of Mathematics

Ph.D. degrees awarded during last three years by field of specialization: Algebra and Number Theory, 2; Geometry and Topology, 1; Analysis and Functional Analysis, 1; Combinatorial Analysis, 3. TOTAL: 7

Type of financial assistance (with number anticipated in 1968-1969)

| Type of financial assistance | Amount (dollars) | 9 or Tuition, if not Service Required |
|------------------------------|------------------|-------------------------------------|-------------------------------------|
| Fellowship (30)              | 1800-2800        | 9 to 12                             | Tuition included in stipend |
| Teaching Assistantship (10)  | 2000-2400        | 9                                   | $25/cr* |
| Research Assistantship (8)   | 3600             | 12                                  | $25/cr* |

*Tuition waived in many cases.

The Doctoral Program in Mathematics of The City University of New York is at the Graduate Center Building of CUNY in mid-Manhattan, opposite the Public Library and Bryant Park. This program is now in its fourth year.

Advanced students have office space and others have carrels in the excellent departmental library. The student body is small enough to facilitate close contact with the staff.


For a description of courses currently offered and other information, write to the

Executive Officer in Mathematics,

THE CITY UNIVERSITY OF NEW YORK
Graduate Center
33 West 42nd Street
New York, New York 10036
City University of New York, Hunter College

NEW YORK, NEW YORK 10021
I. H. Rose, Chairman
Department of Mathematics
Applications must be filed by April 1, 1968

<table>
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<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount 9 or Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stipend</td>
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<tr>
<td>Teaching Assistantship (4)</td>
<td>2200-3000</td>
<td>$25/credit</td>
<td>3-6</td>
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City University of New York, Queens College

FLUSHING, NEW YORK 11367
T. Freeman Cope, Chairman
Department of Mathematics
Applications must be filed by April 15, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount 9 or Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stipend</td>
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<td></td>
</tr>
<tr>
<td>Teaching Fellowship (2)</td>
<td>3150</td>
<td>Free</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (2)</td>
<td>2840</td>
<td>Free</td>
<td>3</td>
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</table>

Columbia University

NEW YORK, NEW YORK 10027
E. R. Kolchin, Chairman
Department of Mathematics
Applications must be filed by January 3, 1968

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 7; Geometry and Topology, 4; Analysis and Functional Analysis, 15. TOTAL: 26

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount 9 or Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
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</thead>
<tbody>
<tr>
<td>Stipend</td>
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</tr>
<tr>
<td>Fellowship (60*)</td>
<td>250 per mo.</td>
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</tbody>
</table>

*This figure includes outside fellowships.

**All students do some assistant teaching as part of their training; this is a degree requirement.

Columbia University

NEW YORK, NEW YORK 10027
Myron F. Rosskopf, Chairman
Department of Mathematical Education
Applications must be filed by February 1, 1968

PH. D. Degrees awarded during last three years by field of specialization: Mathematical Education, 3.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount 9 or Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stipend</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Fellowship (25 M. A. + 5 Doc.)</td>
<td>2000-2400</td>
<td>$25/credit</td>
<td>Research</td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (5)</td>
<td>3500-5000</td>
<td></td>
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</tbody>
</table>
Columbia University
NEW YORK, NEW YORK 10027
Howard Levene, Chairman
Department of Mathematical Statistics
Applications must be filed by January 15, 1968

PH. D. Degrees awarded during last three years by field of specialization: Probability and Statistics, 12.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (22)</td>
<td>220–250/mo.</td>
<td>9 to 12</td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (3)</td>
<td>220–250/mo.</td>
<td>9 to 12</td>
<td></td>
</tr>
</tbody>
</table>

*Up to 10 hours teaching required of all students in 2nd and 3rd years.

Cornell University
ITHACA, NEW YORK 14850
Alex Rosenberg, Chairman
Department of Mathematics
Application for Teaching Fellowships must be filed by January 15, 1968 and for Fellowships by February 1, 1968

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 5; Geometry and Topology, 3; Logic, 10; Analysis and Functional Analysis, 8; Probability and Statistics, 5. TOTAL: 31

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (20)</td>
<td>1800–3000</td>
<td>9</td>
<td></td>
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<tr>
<td>Teaching Fellowship (50)</td>
<td>2300–2500</td>
<td>9</td>
<td>3–4 class hrs.</td>
</tr>
<tr>
<td>Research Assistantship (15)</td>
<td>4250</td>
<td>9</td>
<td>$2150</td>
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</table>

For advanced students only

Cornell University
ITHACA, NEW YORK 14850
J. Hartmanis, Chairman
Department of Computer Science
Applications must be filed by February 1, 1968

PH. D. Degrees awarded during last three years by field of specialization: Computer Science and Numerical Analysis, 1.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (16)</td>
<td>2400–3200</td>
<td>9 or 12</td>
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<tr>
<td>Teaching Assistance (18)</td>
<td>2400</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (10)</td>
<td>4200–4450</td>
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<td>$2050</td>
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Fordham University
NEW YORK, NEW YORK 10458
Hing Tong, Acting Chairman
Department of Mathematics
Applications must be filed by March 1, 1968

PH. D. program is new at Fordham.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tr>
<td>Teaching Fellowship (6)</td>
<td>2400–3000</td>
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<td>3</td>
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<tr>
<td>Assistantship (5)</td>
<td>2000–3000</td>
<td>9</td>
<td>8–12</td>
</tr>
<tr>
<td>NSF Traineeship (1–2)</td>
<td>2400</td>
<td>9</td>
<td>Miscellaneous</td>
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</table>
**Hofstra University**

HEMPSTEAD, NEW YORK 11550  
Stanley Kertzner, Acting Chairman  
Department of Mathematics  
Applications must be filed by February 15, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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</thead>
<tbody>
<tr>
<td>Fellowship (1)</td>
<td>2500</td>
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<td></td>
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<tr>
<td>Teaching Fellowship (1)</td>
<td>500</td>
<td>9</td>
<td></td>
<td>$50/cr.</td>
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</table>

**New York University**

NEW YORK, NEW YORK 10012  
Jurgen K. Moser, Director  
Department of Mathematics  
Courant Institute of Mathematical Sciences  
Applications must be filed by January 15, 1968

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 4; Geometry and Topology, 3; Analysis and Functional Analysis, 22; Probability and Statistics, 7; Computer Science and Numerical Analysis, 5; Applied Mathematics, 23; History, 1. TOTAL: 65

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tbody>
<tr>
<td>Fellowship (65)</td>
<td>3000–4000</td>
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<tr>
<td>Teaching Fellowship (5)</td>
<td>2800</td>
<td>9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (35)</td>
<td>3000–4000</td>
<td>12</td>
<td></td>
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</table>

**New York University**

NEW YORK, NEW YORK 10435  
Joseph B. Keller, Chairman  
Department of Mathematics  
Heights Campus  
Applications must be filed by January 15, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (5)</td>
<td>2400–2800</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (6)</td>
<td>2400–2800</td>
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</tr>
<tr>
<td>Research Assistantship (3)</td>
<td>2400–2800</td>
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<td></td>
<td></td>
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</table>

**Polytechnic Institute of Brooklyn**

BROOKLYN, NEW YORK 11201  
Harry Hochstadt, Chairman  
Department of Mathematics  
Applications must be filed by March 1, 1968

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 1; Analysis and Functional Analysis, 9; Probability and Statistics, 2. TOTAL: 12

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (3)</td>
<td>2400*</td>
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<td>Remitted</td>
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<tr>
<td>Teaching Fellowship (15)</td>
<td>2430</td>
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<td>Remitted</td>
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<tr>
<td>Research Assistantship (3)</td>
<td>4600</td>
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<td>$2200</td>
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</tr>
</tbody>
</table>

*Dependency allowance in addition.
Rensselaer Polytechnic Institute

TROY, NEW YORK 12181

George H. Handelman, Chairman
Department of Mathematics

Applications must be filed by February 15, 1968

PH.D. Degrees awarded during last three years by field of specialization: Geometry and Topology, 3; Logic, 4; Computer Science and Numerical Analysis, 1; Applied Mathematics, 3; Lattice Theory, 1.

TOTAL: 12

Number of degrees awarded in 1967

Type of financial assistance (with number anticipated in 1968–1969)

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (10)</td>
<td>600–2500</td>
<td>9</td>
<td>12 mo.</td>
<td>2 courses</td>
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<tr>
<td>Teaching Assistantship (10)</td>
<td>2000–2400</td>
<td>9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graduate Assistant Computer Lab. (5)</td>
<td>2000–2400</td>
<td>9</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

St. John's University

JAMAICA, NEW YORK 11432

Richard C. Morgan, Chairman
Department of Mathematics

Applications must be filed by March 15, 1968

Ph.D. Degrees awarded during last three years by field of specialization: Geometry and Topology, 3; Logic, 4; Computer Science and Numerical Analysis, 1; Applied Mathematics, 3; Lattice Theory, 1.

TOTAL: 12

Number of degrees awarded in 1967

Type of financial assistance (with number anticipated in 1968–1969)

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assistantship (14)</td>
<td>2200–2400</td>
<td>9</td>
<td>12</td>
<td>Miscellaneous</td>
</tr>
</tbody>
</table>

State University College at Buffalo

BUFFALO, NEW YORK 14222

Cecil T. Rodney, Chairman
Department of Mathematics

Ph.D. Degrees awarded during last three years by field of specialization: Geometry and Topology, 3; Logic, 4; Computer Science and Numerical Analysis, 1; Applied Mathematics, 3; Lattice Theory, 1.

TOTAL: 12

Number of degrees awarded in 1967

Type of financial assistance (with number anticipated in 1968–1969)

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
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<tbody>
<tr>
<td>Teaching Assistantship (5)*</td>
<td>2000–3000</td>
<td>9</td>
<td>6</td>
<td>Teaching</td>
</tr>
</tbody>
</table>

*Paid from college funds.

POLYTECHNIC INSTITUTE OF BROOKLYN

Graduate Study in Mathematics

LOCATION: Brooklyn Campus, and Long Island Center at Farmingdale, Long Island, New York.

DEGREES: M.S. and Ph.D.

FIELDS: Applied Mathematics, Algebra, Analysis, Probability, Statistics, etc.

AVAILABLE MINOR OPTIONS: Applied Mechanics, Aerospace Engineering, Electrophysics, Communication Theory, Automatic Control, Network Theory, Physics, etc.

FELLOWSHIPS: Teaching, Research.

Write for information to: Dean of Graduate School • • • or • • • Department of Mathematics
Polytechnic Institute of Brooklyn
333 Jay Street
Brooklyn, New York 11201
State University College at Cortland

CORTLAND, NEW YORK 13045
Stephen P. Hoffman, Jr., Chairman
Department of Mathematics

NUMBER OF DEGREES AWARDED IN 1967
Baccalaureate Degrees by Institution: 600
Baccalaureate Degrees by Department: 32

Stipend

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
</tr>
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<tbody>
<tr>
<td>Teaching Assistantship</td>
<td>2000</td>
<td>9</td>
<td></td>
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</table>

State University College at Geneseo

GENESEO, NEW YORK 14454
W. A. Small, Chairman
Department of Mathematics
Applications must be filed by March 15, 1968

NUMBER OF DEGREES AWARDED IN 1967
Baccalaureate Degrees by Institution: 105
Baccalaureate Degrees by Department: 23
Master's Degrees by Department: 5

Stipend

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
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<tbody>
<tr>
<td>Teaching Assistantship (4)</td>
<td>approx. 2500</td>
<td>9</td>
<td>Waived</td>
<td></td>
<td>10</td>
<td></td>
</tr>
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</table>

State University College at Oswego

OSWEGO, NEW YORK 13126
Richard D. Mayer, Chairman
Department of Mathematics
Applications must be filed by March 1, 1968

NUMBER OF DEGREES AWARDED IN 1967
Baccalaureate Degrees by Institution: 774
Baccalaureate Degrees by Department: 23
Master's Degrees by Department: 4

Stipend

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
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<tbody>
<tr>
<td>Teaching Assistantship (5)</td>
<td>2500</td>
<td>9</td>
<td></td>
<td></td>
<td>4-5</td>
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</tr>
</tbody>
</table>

State University of New York at Albany

ALBANY, NEW YORK 12203
Vincent F. Cowling, Chairman
Department of Mathematics

NUMBER OF DEGREES AWARDED IN 1967
Baccalaureate Degrees by Institution: 1241
Baccalaureate Degrees by Department: 82
Master's Degrees by Department: 20

Will be offering PH.D. in mathematical science in the 1968 fall term.

ST. JOHN'S UNIVERSITY

GRAND CENTRAL AND UTOPIA PARKWAYS · · · JAMAICA, NEW YORK 11432

Graduate work leading to the Master of Arts is offered in pure and applied mathematics. It is anticipated that a Doctoral program will be offered in the near future.

The faculty is actively engaged in research relating to Graph Theory, Knot Theory, Banach Algebra, Functional analysis, Fluid Mechanics, Electromagnetic Theory, and Elasticity.

A number of graduate assistantships will be available for the academic year 1968—69. Interested students are requested to write:

RICHARD C. MORGAN, Chairman
Department of Mathematics
### State University of New York at Binghamton

- **BINGHAMTON, NEW YORK 13901**
- **Helen P. Beard, Chairman**
- Department of Mathematics
- Applications must be filed by March 15, 1968

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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</thead>
<tbody>
<tr>
<td>Teaching Assistantship (8)</td>
<td>2000–2500</td>
<td>9</td>
<td>15–20</td>
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</tr>
</tbody>
</table>

### State University of New York at Buffalo

- **BUFFALO, NEW YORK 14226**
- **Kenneth D. Magill, Jr., Chairman**
- Department of Mathematics
- Applications must be filed by March 1, 1968

**Applications for Ph.D. degrees in Mathematics must be filed by February 1, 1968.**

- **Baccalaureate Degrees by Institution:** 1807
- **Baccalaureate Degrees by Department:** 57
- **Master's Degrees by Department:** 15

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship* (15)</td>
<td>2000–3000</td>
<td>12</td>
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<tr>
<td>Teaching Assistantship (60)</td>
<td>2400–3350</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Research Assistantship** (16)</td>
<td>2400–3350</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Scholarship (5)</td>
<td>2000–3500</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Instructorship***</td>
<td>6500–8000</td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

*Including NSF & NASA Traineeships & NDEA Title IV Fellowships. These provide $500 allowance for dependent. Additional compensation not to exceed $1000 is available.

**Including research assistantships for mathematics students interested in an interdisciplinary program in Theoretical Biology.

***For advanced Ph.D. candidates. Additional summer stipend of $350-$1200 available.

### State University of New York at Buffalo

- **AMHERST, NEW YORK 14226**
- **Seymour Geisser, Chairman**
- Department of Statistics
- Applications must be filed by February 1, 1968

**Applications for Ph.D. degrees in Statistics must be filed by February 1, 1968.**

- **Baccalaureate Degrees by Institution:** 1032
- **Master’s Degrees by Department:** 3

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (8)</td>
<td>2000–3200</td>
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<td></td>
</tr>
<tr>
<td>Teaching Assistantship (15)</td>
<td>2600–3200</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (5)</td>
<td>2700–3600</td>
<td>9 to 12</td>
<td></td>
</tr>
<tr>
<td>NSF (5)</td>
<td>2400–2800</td>
<td>9 to 12</td>
<td></td>
</tr>
<tr>
<td>NASA (2)</td>
<td>2400–3400</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

*Tuition is waived for all these categories.

### State University of New York at Buffalo

- **BUFFALO, NEW YORK 14214**
- **Anthony Ralston, Chairman**
- Department of Computer Science
- Applications must be filed by February 15, 1968

**Applications for Ph.D. degrees in Computer Science must be filed by February 15, 1968.**

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
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</thead>
<tbody>
<tr>
<td>Fellowship (2)</td>
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<tr>
<td>Teaching Assistantship (5)</td>
<td>2400–3000</td>
<td>Waived</td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (4)</td>
<td>2400–3000</td>
<td>Waived</td>
<td></td>
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<tr>
<td>Computation Center Assistant (10)</td>
<td>2400–3000</td>
<td>Waived</td>
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**State University of New York at Fredonia**

**FREDONIA, NEW YORK 14063**

Frank R. Olson, Chairman  
Department of Mathematics

Applications must be filed by February 15, 1968

<table>
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<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Stipend</th>
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<th>Service Required</th>
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</thead>
<tbody>
<tr>
<td>Teaching Assistantship (4)</td>
<td>Amount (dollars) 2000-2800</td>
<td>9 or 12 mo.</td>
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</tbody>
</table>

**NUMBER OF DEGREES AWARDED IN 1967**

- Baccalaureate Degrees by Institution: 361
- Baccalaureate Degrees by Department: 12
- Master's Degrees by Department: 1

---

**State University of New York at Stony Brook**

**STONY BROOK, NEW YORK 11790**

Irving Gerst, Chairman  
Department of Applied Analysis

Application must be filed by March 15, 1968

PH. D. Degrees awarded during last three years by field of specialization: Applied Mathematics, 3.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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</thead>
<tbody>
<tr>
<td>Fellowship (7)</td>
<td>Amount (dollars) 2400-3300</td>
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</tr>
<tr>
<td>Teaching Fellowship (2)</td>
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<td>Free</td>
</tr>
<tr>
<td>Teaching Assistantship (10)</td>
<td>2575-2700</td>
<td>9</td>
<td>Free</td>
</tr>
<tr>
<td>Research Assistantship (22)</td>
<td>2575-2700</td>
<td>9</td>
<td>Free</td>
</tr>
</tbody>
</table>

**NUMBER OF DEGREES AWARDED IN 1967**

- Baccalaureate Degrees by Institution: 336
- Baccalaureate Degrees by College: 20
- Master's Degrees by Department: 1

---

**Syracuse University**

**SYRACUSE, NEW YORK 13210**

Donald E. Kibbey, Chairman  
Department of Mathematics

Applications must be filed by February 15, 1968

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 9; Geometry and Topology, 4; Analysis and Functional Analysis, 6. TOTAL: 19

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tbody>
<tr>
<td>Fellowship (32)</td>
<td>Amount (dollars) 2200-2800</td>
<td>9 or 12 mo.</td>
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<tr>
<td>Teaching Assistantship (68)</td>
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<td>Free</td>
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<tr>
<td>Research Assistantship (22)</td>
<td>1000-3000</td>
<td>9 to 12</td>
<td>Free</td>
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</tbody>
</table>

**University of Rochester**

**ROCHESTER, NEW YORK 14627**

Leonard Gillman, Chairman  
Department of Mathematics

Applications must be filed by March 1, 1968

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 4; Geometry and Topology, 6; Analysis and Functional Analysis, 9. TOTAL: 19

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<td>2200-2800</td>
<td>9</td>
<td>Free</td>
</tr>
<tr>
<td>Scholarship (6)</td>
<td>2000-2800</td>
<td>9</td>
<td>Free</td>
</tr>
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</table>

*Dependency allowances in some cases.  
**Hours of classroom teaching.
Yeshiva University

NEW YORK, NEW YORK 10033
Martin Schechter, Chairman
Department of Mathematics
Applications must be filed by February 15, 1968

PH.D. Degrees awarded during last three years by field of specialization: Geometry and Topology, 1; Logic, 3; Analysis and Functional Analysis, 9; Applied Mathematics, 2. TOTAL: 15

Number of degrees awarded in 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs./Week</th>
<th>Type</th>
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<tbody>
<tr>
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<td>$1250</td>
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<tr>
<td>Research Assistantship (15)</td>
<td>3750-5350</td>
<td>12</td>
<td>$1250</td>
<td>4-10 Variable</td>
<td>Variable</td>
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<tr>
<td>Research Assistantship (10)</td>
<td>1250-3850</td>
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<td>$1250</td>
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</tr>
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</table>

*Up to $1000 extra for limited services.

NORTH CAROLINA

Appalachian State University

BOONE, NORTH CAROLINA 28607
Harvey R. Durham, Chairman
Department of Mathematics
Applications must be filed by March 1, 1968

Number of degrees awarded in 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs./Week</th>
<th>Type</th>
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<tbody>
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<td>$125.50</td>
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<tr>
<td>Teaching Assistantship (8)</td>
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<td>$125.50</td>
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</tr>
</tbody>
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Duke University

DURHAM, NORTH CAROLINA 27706
J. H. Roberts, Chairman
Department of Mathematics
Applications must be filed by February 15, 1968

Number of degrees awarded in 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs./Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (23)</td>
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<td>$1410</td>
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<td>Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (9)</td>
<td>3200</td>
<td>9</td>
<td>$1410</td>
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<td>Research</td>
</tr>
<tr>
<td>Research Assistantship (7)</td>
<td>3200-5300</td>
<td>9 to 11</td>
<td>$1410</td>
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</tr>
</tbody>
</table>

East Carolina University

GREENVILLE, NORTH CAROLINA 27834
Tullio J. Pignani, Chairman
Department of Mathematics
Applications must be filed by March 1, 1968

Number of degrees awarded in 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs./Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (9)</td>
<td>2000</td>
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<td>$93/qtr</td>
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<td>Teaching</td>
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<tr>
<td>Computer Assistantship (3)</td>
<td>2000</td>
<td>9</td>
<td>$93/qtr</td>
<td>10</td>
<td></td>
<td>Assistant in Computer Lab.</td>
</tr>
</tbody>
</table>
North Carolina State University

RALEIGH, NORTH CAROLINA 27607
H. V. Park, Acting Head
Department of Mathematics
Applications must be filed by February 1, 1968

PH. D. Degrees awarded during last three years by field of specialization: Applied Mathematics, 12.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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</thead>
<tbody>
<tr>
<td>Fellowship (14)</td>
<td>2000–2500</td>
<td>12</td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (20)</td>
<td>1800–2400***</td>
<td>9</td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (20)</td>
<td>2700–3600**</td>
<td>9</td>
<td>x</td>
<td>++</td>
</tr>
<tr>
<td>Research Assistantship (5)</td>
<td>2700–3600***</td>
<td>9</td>
<td>x</td>
<td>20</td>
</tr>
</tbody>
</table>

$9/credit hour per semester through 9 hours; $87.50 per semester for 10 or more.
**Additional income from summer school teaching.
***Additional income from summer work.
++1 4–credit course/semester or assist with lecture section.
+++2 4–credit courses/semester.

North Carolina State University

RALEIGH, NORTH CAROLINA 27607
Herbert E. Speece, Head
Department of Mathematics Education
Applications must be filed by March 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (2)</td>
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<td></td>
<td>15</td>
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</tbody>
</table>

North Carolina State University

RALEIGH, NORTH CAROLINA 27607
D. D. Mason, Chairman
Department of Experimental Statistics
Applications for fellowships must be filed by February 15, 1968, and assistantships by March 15, 1968

PH. D. Degrees awarded during last three years by field of specialization: Probability and Statistics, 21.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (30)</td>
<td>2400–3600</td>
<td>12</td>
<td></td>
<td>0–20</td>
</tr>
<tr>
<td>Teaching Assistantship (6)</td>
<td>2700–3600</td>
<td>9</td>
<td></td>
<td>0–20</td>
</tr>
<tr>
<td>Research Assistantship (10)</td>
<td>2700–3600</td>
<td>12</td>
<td></td>
<td>0–20</td>
</tr>
<tr>
<td>Scholarship (1)</td>
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<td></td>
<td>0–20</td>
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University of North Carolina

CHAPEL HILL, NORTH CAROLINA 27514
Frederick P. Brooks, Jr., Chairman
Department of Information Science
Applications must be filed by February 1, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tbody>
<tr>
<td>Teaching Assistantship (15)</td>
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<td>$87.50/sem.</td>
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<tr>
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<td>9</td>
<td>$87.50/sem.</td>
<td>20</td>
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<tr>
<td>Scholarship (Univ.) (2)</td>
<td>2100</td>
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<td>$87.50/sem.</td>
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<tr>
<td>Univ. Service Fellowship (1)</td>
<td>2100</td>
<td>9</td>
<td>$87.50/sem.</td>
<td></td>
</tr>
<tr>
<td>NSF Traineeship (3)</td>
<td>2400–2600*</td>
<td>12</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Plus $500 for each dependent.
University of North Carolina

CHAPEL HILL, NORTH CAROLINA 27514
W. E. Jenner, Chairman
Department of Mathematics

NUMBER OF DEGREES AWARDED IN 1967

Baccalaureate Degrees by Institution: 2007
Baccalaureate Degrees by Department: 88
Master's Degrees by Department: 26

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 5; Geometry and Topology, 3; Analysis and Functional Analysis, 10. TOTAL: 18

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (10)</td>
<td>2600</td>
<td>9</td>
<td></td>
<td></td>
<td>3</td>
<td>Teaching</td>
</tr>
<tr>
<td>Teaching Fellowship (25)</td>
<td>2600</td>
<td>9</td>
<td></td>
<td></td>
<td>6</td>
<td>Teaching</td>
</tr>
</tbody>
</table>

University of North Carolina

CHAPEL HILL, NORTH CAROLINA 27514
George E. Nicholson, Jr., Chairman
Department of Statistics

Applications must be filed by February 15, 1968

PH. D. Degrees awarded during last three years by field of specialization: Probability and Statistics, 11.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
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<tbody>
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<td>2400-2600</td>
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<td></td>
<td>10</td>
<td>Research</td>
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<td>Research Assistantship (26)</td>
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<td></td>
<td></td>
<td>10</td>
<td>Research</td>
</tr>
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<td>Scholarship (6)</td>
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</table>

University of North Carolina at Greensboro

GREENSBORO, NORTH CAROLINA 27408
E. E. Posey, Head
Department of Mathematics

Applications must be filed by March 15, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
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<td>Fellowship (1)</td>
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<td>Teaching Fellowship (4)</td>
<td>1800-2400</td>
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<td>$175</td>
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<td>Research Assistantship (1)</td>
<td></td>
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</table>

Wake Forest University

WINSTON-SALEM, NORTH CAROLINA 27109
Ivey C. Gentry, Chairman
Department of Mathematics

Applications must be filed by March 1, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
</tr>
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<td>$1000</td>
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<td>3250</td>
<td>9</td>
<td>$1000</td>
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<tr>
<td>Scholarship (4)</td>
<td>1000</td>
<td>9</td>
<td>$1000</td>
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</table>

1036
North Dakota State University
FARGO, NORTH DAKOTA 58102
Robert F. Tidd, Chairman
Department of Mathematics

NUMBER OF DEGREES AWARDED IN 1967
Baccalaureate Degrees by Institution: 748
Baccalaureate Degrees by Department: 48
Master's Degrees by Department: 9

Stipend
Type of financial assistance (with number anticipated in 1968-1969)
Teaching Assistantship (7)
Amount 9 or Tuition, if not Service Required
(dollars) 12 mo. included in stipend Hrs/Week Type
2000 9 $2 per credit 6 Teaching

University of North Dakota
GRAND FORKS, NORTH DAKOTA 58201
Ronald Bzoch, Chairman
Department of Mathematics
Applications must be filed by March 15, 1968

NUMBER OF DEGREES AWARDED IN 1967
Baccalaureate Degrees by Institution: 900
Baccalaureate Degrees by Department: 27
Master's Degrees by Department: 8

Stipend
Type of financial assistance (with number anticipated in 1968-1969)
Teaching Assistantship (7)
Amount 9 or Tuition, if not Service Required
(dollars) 12 mo. included in stipend Hrs/Week Type
2100 9 6 Teaching

Bowling Green State University
BOWLING GREEN, OHIO 43402
Louis C. Graue, Chairman
Department of Mathematics
Applications must be filed by March 1, 1968

NUMBER OF DEGREES AWARDED IN 1967
Baccalaureate Degrees by Institution: 1712
Baccalaureate Degrees by Department: 38
Master's Degrees by Department: 14

Stipend
Type of financial assistance (with number anticipated in 1968-1969)
Fellowship (3)
Teaching Assistantship (25)
Amount 9 or Tuition, if not Service Required
(dollars) 12 mo. included in stipend Hrs/Week Type
2400-2600 12 $200 3-6 Classroom Instruction
2100-2800 9

Case Western Reserve University
CLEVELAND, OHIO 44106
Melvin Henriksen, Chairman
Department of Mathematics
Applications must be filed by March 1, 1968

PH. D. Degrees awarded during last three years by field of specialization: Geometry and Topology, 2; Logic, 1; Analysis and Functional Analysis, 5; Probability and Statistics, 3; Computer Science and Numerical Analysis, 6; Applied Mathematics, 2. TOTAL: 19

Stipend
Type of financial assistance (with number anticipated in 1968-1969)
Fellowship (20)
Teaching Fellowship (20)
Teaching Assistantship (40)
Research Assistantship (5)
Amount 9 or Tuition, if not Service Required
(dollars) 12 mo. included in stipend Hrs/Week Type
2300-3600 9* 10** Teaching and/or Grading
2300-2695 9* 15** Teaching
2300-2900 9* 15** Research
2300

**Many also available for 12 months, at student's option.
***Total hours. Contact hours for teaching limited to 3-4.
Case Western Reserve University

CLEVELAND, OHIO 44106
Burton V. Dean, Chairman
Department of Operations Research
Applications must be filed by March 31, 1968

PH. D. Degrees awarded during last three years by field of specialization: Operations Research, 20.

John Carroll University

CLEVELAND, OHIO 44118
Raymond W. Allen, Chairman
Department of Mathematics
Applications must be filed by September 1, 1968

Kent State University

KENT, OHIO 44240
Richard K. Brown, Chairman
Department of Mathematics
Applications must be filed by April 1968

Miami University

OXFORD, OHIO 45056
S. E. Bohn, Chairman
Department of Mathematics
Applications must be filed by February 15, 1968

1038
Ohio State University

COLUMBUS, OHIO 43210
Arnold E. Ross, Chairman
Department of Mathematics
Applications must be filed by February 19, 1968

Number of degrees awarded in 1967:
Baccalaureate Degrees by Institution: 4420
Baccalaureate Degrees by Department: 99
Master's Degrees by Department: 40

Applications must be filed by February 19, 1968

Ohio State University

COLUMBUS, OHIO 43210
Marshall C. Yovits, Chairman
Division of Computer and Information Science
Applications must be filed by February 1, 1968

Number of degrees awarded in 1967:
Baccalaureate Degrees by Institution: 4544
Baccalaureate Degrees by Department: 20
Master's Degrees by Department: 8

University of Akron

AKRON, OHIO 44304
Samuel Selby, Chairman
Department of Mathematics
Applications must be filed by March 1, 1968

Number of degrees awarded in 1967:
Baccalaureate Degrees by Institution: 1673
Baccalaureate Degrees by Department: 18
Master's Degrees by Department: 8

Applications must be filed by February 15, 1968

University of Cincinnati

CINCINNATI, OHIO 45221
H. David Lipsich, Chairman
Department of Mathematics
Applications must be filed by February 15, 1968

Number of degrees awarded in 1967:
Baccalaureate Degrees by Institution: 1736
Baccalaureate Degrees by Department: 18
Master's Degrees by Department: 8

Applications must be filed by February 15, 1968

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 3; Geometry and Topology, 2; Logic, 1; Analysis and Functional Analysis, 1; Probability and Statistics, 2; Computer Science and Numerical Analysis, 2; Applied Mathematics, 1. TOTAL: 7

*Partly in competition with eight Humanities Departments.

**$400 to $1000 dependency allotment in the case of federal grants.

***The higher figure is for nonresidents.
### University of Dayton

**DAYTON, OHIO 45409**  
K. C. Schraut, Chairman  
Department of Mathematics  
Applications must be filed by March 1, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (10)</td>
<td>2500–2900</td>
<td>9</td>
<td></td>
<td>6 Teaching</td>
</tr>
</tbody>
</table>

### University of Toledo

**TOLEDO, OHIO 43606**  
Robert F. Jackson, Chairman  
Department of Mathematics  
Applications must be filed by March 15, 1968

<table>
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<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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</thead>
<tbody>
<tr>
<td>Fellowship (12)</td>
<td>2400–3400</td>
<td>12</td>
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<td>6 Teaching</td>
</tr>
<tr>
<td>Teaching Fellowship (6)</td>
<td>3000–4000</td>
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<td></td>
<td>6 Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (18)</td>
<td>2000–3000</td>
<td>9</td>
<td></td>
<td>6 Teaching</td>
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</table>

### Wright State University

**DAYTON, OHIO 45431**  
Robert M. Haber, Chairman  
Department of Mathematics  
Applications must be filed by April 16, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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</thead>
<tbody>
<tr>
<td>Teaching Assistantship (3)</td>
<td>2800</td>
<td>9</td>
<td></td>
<td>5 Teaching</td>
</tr>
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</table>

### Xavier University

**CINCINNATI, OHIO 45207**  
William J. Larkin, Chairman  
Department of Mathematics  
Applications must be filed by March 1, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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</thead>
<tbody>
<tr>
<td>Teaching Assistantship (5)</td>
<td>2000</td>
<td>9</td>
<td>Remitted</td>
<td>6 Teaching</td>
</tr>
<tr>
<td>Computer Assistantship (2)</td>
<td>2000</td>
<td>9</td>
<td>Remitted</td>
<td>20 Computer</td>
</tr>
<tr>
<td>Scholarship (3)</td>
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</table>

### Oklahoma State University

**STILLWATER, OKLAHOMA 74074**  
John W. Jewett, Head  
Department of Mathematics and Statistics  
Applications must be filed by March 1, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (10)</td>
<td>2400–3000</td>
<td>12</td>
<td>$12/sem. hr.</td>
<td>6-8 Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (60)</td>
<td>2250–2700</td>
<td>9</td>
<td>$12/sem. hr.</td>
<td>20 Research</td>
</tr>
<tr>
<td>Research Assistantship (5)</td>
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<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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**OKLAHOMA**

**NUMBER OF DEGREES AWARDED IN 1967**

- Baccalaureate Degrees by Institution: 1393
- Baccalaureate Degrees by Department: 23
- Master's Degrees by Department: 6

**NUMBER OF DEGREES AWARDED IN 1967**

- Baccalaureate Degrees by Institution: 800
- Baccalaureate Degrees by Department: 24
- Master's Degrees by Department: 7

**PH.D. Degrees awarded during last three years by field of specialization:**  
- Algebra and Number Theory, 2;  
- Geometry and Topology, 4;  
- Analysis and Functional Analysis, 1;  
- Probability and Statistics, 15. **TOTAL: 22**
University of Tulsa

TULSA, OKLAHOMA 74104

Thomas W. Cairns, Chairman
Department of Mathematics

Applications must be filed by April 1, 1968

Type of financial assistance (with number anticipated in 1968-1969)

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Fellowship (5)</td>
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<td>$440</td>
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<tr>
<td>Work Study Coop. (Open)</td>
<td>2700-3200</td>
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University of Oklahoma

NORMAN, OKLAHOMA 73069

Richard V. Andree, Chairman
Department of Mathematics and Astronomy

First preference will be given to applications received before January 30, 1968, but qualified applicants may be considered at any time.

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 2; Geometry and Topology, 1; Analysis and Functional Analysis, 3; Applied Mathematics, 1; Mathematical Education, 3; Biostatistics, 4. TOTAL: 14

Type of financial assistance (with number anticipated in 1968-1969)

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<td>Fellowship (43)</td>
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<td>2400-2700</td>
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<td>$30/hr. for nonresident</td>
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<td>Tuition only (6)</td>
<td>72-600</td>
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</table>

Oregon State University

CORVALLIS, OREGON 97331

Arvid T. Lonseth, Chairman
Department of Mathematics

Applications must be filed by February 1, 1968

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 1; Logic, 1; Analysis and Functional Analysis, 5; Probability and Statistics, 1; Applied Mathematics, 5; Computer Science and Numerical Analysis, 6. TOTAL: 19

Type of financial assistance (with number anticipated in 1968-1969)

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (10)</td>
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<td>$105</td>
<td>15</td>
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<tr>
<td>Teaching Assistantship (35)</td>
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<td>$105</td>
<td>15</td>
</tr>
<tr>
<td>Research Assistantship (4)</td>
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<td>9</td>
<td>$105</td>
<td>15</td>
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</table>

Oregon State University

CORVALLIS, OREGON 97331

Lyle D. Calvin, Chairman
Department of Statistics

PH. D. program started during the academic year 1965-1966.

Type of financial assistance (with number anticipated in 1968-1969)

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tbody>
<tr>
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<td>9 to 12</td>
<td>$35/term</td>
<td>12-15</td>
</tr>
<tr>
<td>Teaching Assistantship (5)</td>
<td>2400-2900</td>
<td>9</td>
<td>$35/term</td>
<td>12-15</td>
</tr>
<tr>
<td>Research Assistantship (6)</td>
<td>2400-3600</td>
<td>9 to 12</td>
<td>$35/term</td>
<td>12-15</td>
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Portland State College

PORTLAND, OREGON 97207
J. Richard Byrne, Head
Department of Mathematics
Applications must be filed by April 1, 1968

<table>
<thead>
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<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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</thead>
<tbody>
<tr>
<td>Stipend</td>
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University of Oregon

EUGENE, OREGON 97403
A. F. Moursund, Head
Department of Mathematics
Applications must be filed by March 1, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stipend</td>
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</tr>
<tr>
<td>Fellowship (7*)</td>
<td>2400-2800</td>
<td>12</td>
<td>$105</td>
<td>4-5 Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (50)</td>
<td>2200-2600</td>
<td>9</td>
<td>$105</td>
<td>8-10 Research</td>
</tr>
<tr>
<td>Research Assistantship (5)</td>
<td>2200-2600</td>
<td>9</td>
<td>$105</td>
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</table>

*New, making total of 23.

PENNSYLVANIA

Bryn Mawr College

BRYN MAWR, PENNSYLVANIA 19010
John C. Oxtoby, Chairman
Department of Mathematics
Applications must be filed by February 15, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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</thead>
<tbody>
<tr>
<td>Stipend</td>
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<td></td>
</tr>
<tr>
<td>Fellowship (1)</td>
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<td>$1500</td>
<td>1/3 time</td>
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<td>Teaching Assistantship (2)</td>
<td>1400</td>
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<td>$1500</td>
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</tr>
<tr>
<td>Scholarship (1 or 2)</td>
<td>2300</td>
<td>9</td>
<td>$1500</td>
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<tr>
<td>Tuition Scholarship</td>
<td>1500</td>
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<td>$1500</td>
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</table>

Bucknell University

LEWISBURG, PENNSYLVANIA 17837
Emil J. Polak, Chairman
Department of Mathematics
Applications must be filed by March 1, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stipend</td>
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<td></td>
</tr>
<tr>
<td>Fellowship (2)</td>
<td>1800-2300</td>
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<td>$1800</td>
<td>1 course/sem.</td>
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<tr>
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<td>5-15</td>
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<tr>
<td>Graduate Assistantship (5)</td>
<td>2000</td>
<td>9</td>
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</table>

1042
### Carnegie-Mellon University

**PITTSBURGH, PENNSYLVANIA 15213**

I. I. Kolodner, Head  
Department of Mathematics  
Applications must be filed by March 1, 1968

**Applications must be filed by March 1, 1968**

<table>
<thead>
<tr>
<th>NUMBER OF DEGREES AWARDED IN 1967</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baccalaureate Degrees by Institution: 650</td>
</tr>
<tr>
<td>Baccalaureate Degrees by Department: 47</td>
</tr>
<tr>
<td>Master's Degrees by Department: 13</td>
</tr>
</tbody>
</table>

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 1; Analysis and Functional Analysis, 7; Probability and Statistics, 3; Computer Science and Numerical Analysis, 3; Applied Mathematics, 2. **TOTAL: 16**

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (17)</td>
<td>1800-2600</td>
<td>9 or 12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Teaching Fellowship* (10)</td>
<td>2200</td>
<td>9</td>
<td></td>
<td>2 Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (10)</td>
<td>2400-2600</td>
<td>9</td>
<td></td>
<td>3-4 Teaching</td>
</tr>
<tr>
<td>Research Assistantship (12)</td>
<td>4350-4550</td>
<td>9</td>
<td>$1950</td>
<td>12 Research</td>
</tr>
<tr>
<td>Supplemental Assistantship** (15)</td>
<td>400-1000</td>
<td>9 or 12</td>
<td></td>
<td>2-3 Teaching</td>
</tr>
</tbody>
</table>

*First-year students only.

**Offered to all Fellowship holders (except NDEA in their first year).**

---

### Carnegie-Mellon University

**PITTSBURGH, PENNSYLVANIA 15213**

Morris H. DeGroot, Head  
Department of Statistics  
Applications must be filed by March 1, 1968

**Applications must be filed by March 1, 1968**

<table>
<thead>
<tr>
<th>NUMBER OF DEGREES AWARDED IN 1967</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baccalaureate Degrees by Institution: 650</td>
</tr>
<tr>
<td>Master's Degrees by Department: 1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (6)</td>
<td>2000-2800</td>
<td>9 or 12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (4)</td>
<td>2000-2400</td>
<td>9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (10)</td>
<td>2000-2400</td>
<td>9</td>
<td></td>
<td>12 or less Teaching and Grading</td>
</tr>
</tbody>
</table>

---

### Carnegie-Mellon University

**PITTSBURGH, PENNSYLVANIA 15213**

Alan J. Perlis, Chairman  
Department of Computer Science  
Applications must be filed by March 15, 1968

**Applications must be filed by March 15, 1968**

<table>
<thead>
<tr>
<th>NUMBER OF DEGREES AWARDED IN 1967</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baccalaureate Degrees by Institution: 650</td>
</tr>
</tbody>
</table>

PH. D. Degrees awarded during last three years by field of specialization: Computer Science and Numerical Analysis, 2.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (6)</td>
<td>2000-5000</td>
<td>9</td>
<td></td>
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</tr>
<tr>
<td>Teaching Assistantship (6)</td>
<td>2250-2650</td>
<td>9</td>
<td>$1950</td>
<td>20 Teaching</td>
</tr>
<tr>
<td>Research Assistantship (48)</td>
<td>4900-5300</td>
<td>9</td>
<td></td>
<td>20 Research</td>
</tr>
</tbody>
</table>

---

### Clarion State College

**CLARION, PENNSYLVANIA 16214**

Michel G. Ossesia, Chairman  
Department of Mathematics  
Applications must be filed by May 15, 1968

**Applications must be filed by May 15, 1968**

<table>
<thead>
<tr>
<th>NUMBER OF DEGREES AWARDED IN 1967</th>
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<tbody>
<tr>
<td>Baccalaureate Degrees by Institution: 549</td>
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<tr>
<td>Baccalaureate Degrees by Department: 49</td>
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<table>
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<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (3)</td>
<td>2400</td>
<td>9</td>
<td></td>
<td>15 Teaching</td>
</tr>
</tbody>
</table>
Drexel Institute of Technology

PHILADELPHIA, PENNSYLVANIA 19104
Ralph B. Crouch, Chairman
Department of Mathematics

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo. Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other (20)</td>
<td>2250</td>
<td>9</td>
<td></td>
<td>6-8</td>
<td>Teaching</td>
</tr>
<tr>
<td></td>
<td>1750</td>
<td>3</td>
<td></td>
<td>40</td>
<td>June 30-Sept. 15</td>
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Duquesne University

PITTSBURGH, PENNSYLVANIA 15219
C. F. Sebesta, Chairman
Department of Mathematics

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo. Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (4)</td>
<td>2000</td>
<td>9</td>
<td></td>
<td>6</td>
<td>Teaching</td>
</tr>
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</table>

Indiana University

INDIANA, PENNSYLVANIA 15701
M. R. Woodard, Chairman
Department of Mathematics

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo. Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (4)</td>
<td>1200-2100</td>
<td>9</td>
<td>$14/hr.</td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

DREXEL INSTITUTE OF TECHNOLOGY

For well qualified students interested in applied mathematics, Drexel Institute of Technology offers a cooperative program, partially subsidized by industry. The program, leading to a Master of Science degree in eighteen months, begins in the summer of 1968. Students will work for cooperating industries during the summers of 1968 and 1969. During the regular 1968-1969 academic year and the fall quarter of 1969, they will be employed as graduate assistants.

The total compensation for the six quarters will be a minimum of $7000.00. Full tuition will be waived during tenure as a graduate assistant. A fee of $45 (per credit hour) will be paid by the student during each summer quarter.

Drexel also offers a regular master's program in mathematics. A limited number of assistantships are available, carrying stipends in the range from $2250 to $2700 for nine months.

Interested applicants should request further information from

Professor Ralph B. Crouch, Chairman
Drexel Institute of Technology

Department of Mathematics

Philadelphia, Pennsylvania 19104

1044
Lehigh University  
BETHLEHEM, PENNSYLVANIA 18015  
Everett Pitcher, Chairman  
Department of Mathematics  
Applications must be filed by February 15, 1968.  
Late applications are accepted.  

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 1;  
Geometry and Topology, 3; Analysis and Functional Analysis, 6; Probability and Statistics, 1; Computer  
Science and Numerical Analysis, 1; Applied Mathematics, 1; Differential Geometry, 4. TOTAL: 17  

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (15)</td>
<td>2000-3000</td>
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<td>Incl.**</td>
<td>*</td>
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<tr>
<td>Teaching Assistantship (32)</td>
<td>2300-2750</td>
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<td>Incl.</td>
<td>2-6</td>
<td>Teaching</td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (2)</td>
<td></td>
<td></td>
<td>Incl.</td>
<td>18</td>
<td>Research</td>
<td></td>
</tr>
<tr>
<td>Scholarship (2)</td>
<td></td>
<td></td>
<td>Incl.</td>
<td></td>
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<td></td>
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</tbody>
</table>

*Two hours teaching allowed, $833-1000 extra.  
**Also dependency allowances.

Millersville State College  
MILLERSVILLE, PENNSYLVANIA 17551  
Joseph A.-Meier, Chairman  
Department of Mathematics  
Applications must be filed by July 1, 1968  

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 1;  
Geometry and Topology, 3; Logic, 2; Analysis and Functional Analysis, 2; Probability and Statistics, 2;  
Computer Science and Numerical Analysis, 1. TOTAL: 18  

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduate Assistantship (15)</td>
<td>2 per hr. / 200 hrs ($600)</td>
<td>9</td>
<td>Incl.</td>
<td>No specific number</td>
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</table>

*Secondary math majors.

Pennsylvania State University  
UNIVERSITY PARK, PENNSYLVANIA 16802  
James B. Bartoo, Head  
Department of Mathematics  
Applications must be filed by March 1, 1968  

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 4;  
Geometry and Topology, 7; Logic, 2; Analysis and Functional Analysis, 2; Probability and Statistics, 2;  
Computer Science and Numerical Analysis, 1. TOTAL: 18  

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (18)</td>
<td>2000-2400</td>
<td>9</td>
<td>Incl.</td>
<td></td>
<td>10</td>
<td>Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (65)</td>
<td>2520-3060</td>
<td>9</td>
<td>Incl.</td>
<td></td>
<td>10</td>
<td>Research</td>
</tr>
</tbody>
</table>

THE PENNSYLVANIA STATE UNIVERSITY  
COMPUTER SCIENCE DEPARTMENT  
B.S., M.S. and Ph.D. degrees in Computer Science; specialization in automata theory,  
computer languages, extended topology, formal languages, information retrieval, logic, numerical  
analysis, systems programming, and applications.  
Assistantships, Fellowships and other support opportunities.  
Inquiries should be addressed to:  
Professor P. C. Hammer, Head  
Computer Science Department  
426 McAllister Building  
University Park, Pennsylvania 16802

1045
Pennsylvania State University

UNIVERSITY PARK, PENNSYLVANIA 16802
Preston C. Hammer, Chairman
Department of Computer Science
Applications must be filed by February 15, 1968

<table>
<thead>
<tr>
<th>Stipend Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (4)</td>
<td>2000–2400</td>
<td>9</td>
<td></td>
<td></td>
<td>15</td>
<td>Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (10)</td>
<td>2540–2880</td>
<td>9</td>
<td></td>
<td></td>
<td>20</td>
<td>Research</td>
</tr>
</tbody>
</table>

Shippensburg State College

SHIPPENSBURG, PENNSYLVANIA 17257
James L. Sieber, Chairman
Department of Mathematics

<table>
<thead>
<tr>
<th>Stipend Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (1)</td>
<td>1800</td>
<td>9</td>
<td>$288</td>
<td>20</td>
<td>Teaching</td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (1)</td>
<td>1800</td>
<td>9</td>
<td>$288</td>
<td>20</td>
<td>Computer</td>
<td></td>
</tr>
</tbody>
</table>

Temple University

PHILADELPHIA, PENNSYLVANIA 19122
Albert Schiid, Chairman
Department of Mathematics
Applications must be filed by April 15, 1968

<table>
<thead>
<tr>
<th>Stipend Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (6)</td>
<td>2000–2400</td>
<td>9</td>
<td></td>
<td></td>
<td>6</td>
<td>Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (15)</td>
<td>2400–2600</td>
<td>9</td>
<td></td>
<td></td>
<td>6</td>
<td>Research</td>
</tr>
<tr>
<td>Research Assistantship (3)</td>
<td>2400–2600</td>
<td>9</td>
<td></td>
<td></td>
<td>6</td>
<td>Research</td>
</tr>
</tbody>
</table>

TEMPLE UNIVERSITY • • • PHILADELPHIA
announces an M.A. and Ph.D. program in Mathematics with specialization in Probability and Mathematical Statistics, in addition to its existing programs in Pure Mathematics.
A limited number of assistantships and fellowships is available.
For further information write to:

Dr. Albert Schiid, Chairman
Department of Mathematics
Temple University
Philadelphia, Pa. 19122
University of Pennsylvania

PHILOADELPHIA, PENNSYLVANIA 19104

John W. Carr III, Chairman
Graduate Group Committee
Division of Computer and Information Sciences
Moore School of Electrical Engineering

Applications must be filed by February 1, 1968

PH. D. Degrees awarded during last three years by field of specialization: Probability and Statistics, 2; Computer Science and Numerical Analysis, 8. TOTAL: 10

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (48)</td>
<td>2000–2800</td>
<td>9</td>
<td>Plus tuition</td>
<td>20 Teaching (Assisting)</td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (30)</td>
<td>2200–2600</td>
<td>9</td>
<td>Plus tuition</td>
<td>20 Research</td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (80)</td>
<td>2200–2600</td>
<td>9</td>
<td>T &amp; F only</td>
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<tr>
<td>Scholarship (5)</td>
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</table>

University of Pittsburgh

PITTSBURGH, PENNSYLVANIA 15213

Mario Benedicty, Chairman
Department of Mathematics

Applications must be filed by March 15, 1968

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 2; Geometry and Topology, 2; Analysis and Functional Analysis, 7; Applied Mathematics, 3. TOTAL: 14

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (7)</td>
<td>2400–3600+</td>
<td>8 to 12</td>
<td></td>
<td>7 Teaching</td>
<td></td>
</tr>
<tr>
<td>Teaching Fellowship (5)</td>
<td>2300–3450</td>
<td>8 to 12</td>
<td></td>
<td>7 cr. Teaching</td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (35)</td>
<td>2100–3150</td>
<td>8 to 12</td>
<td></td>
<td>7 cr. Teaching</td>
<td></td>
</tr>
</tbody>
</table>

University of Pittsburgh

PITTSBURGH, PENNSYLVANIA 15213

Orrin E. Taulbee, Chairman
Department of Computer Science

Applications must be filed by March 1, 1968

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (1)</td>
<td>6000</td>
<td>12</td>
<td>$675 in-state</td>
<td>15–17 Teaching</td>
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</tr>
<tr>
<td>Teaching Assistantship (14)</td>
<td>2100–3150</td>
<td>8 or 12</td>
<td>$1950 out-of-state</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research Assistant* (4)</td>
<td>6000–12000</td>
<td>12</td>
<td>$5/credit</td>
<td>37.5 Research</td>
<td></td>
</tr>
</tbody>
</table>

*These are full time positions which permit the student to work toward the Master's degree on a part-time basis.

West Chester State College

WEST CHESTER, PENNSYLVANIA 19380

Albert E. Filano, Chairman
Department of Mathematics

Applications must be filed by April 1, 1968

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
</table>
| Departmental Aid (2) | 1200–1800 | 9 | $16/s.c. | 15 Tutoring, paper grading, etc.
University of Puerto Rico

MAYAGUEZ, PUERTO RICO 00708
Eugene A. Francis, Chairman
Department of Mathematics

Applications must be filed by April 30, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Stipend</th>
<th>Service Required</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Amount</td>
<td>Tuition, if not included in stipend</td>
</tr>
<tr>
<td>Teaching Assistantship (10)</td>
<td>150-200/mo.</td>
<td>$5</td>
</tr>
</tbody>
</table>

Brown University

PROVIDENCE, RHODE ISLAND 02912
Rohn Truell, Chairman
Department of Applied Mathematics

Applications must be filed by January 15, 1968

PH. D. Degrees awarded during last three years by field of specialization: Analysis and Functional Analysis, 7; Probability and Statistics, 1; Applied Mathematics, 2; Continuum Mechanics or Fluid Dynamics, 23.

TOTAL: 33

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Amount</td>
<td>Tuition, if not included in stipend</td>
</tr>
<tr>
<td>Fellowship (10*)</td>
<td>2300</td>
<td>9</td>
</tr>
<tr>
<td>Teaching Assistantship (12)</td>
<td>2800</td>
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</tr>
<tr>
<td>Research Assistantship (24)</td>
<td>3800</td>
<td>9</td>
</tr>
<tr>
<td>Scholarship (2)</td>
<td>2000</td>
<td>9</td>
</tr>
</tbody>
</table>

Brown University

PROVIDENCE, RHODE ISLAND 02912
Wendell H. Fleming, Chairman
Department of Mathematics

Applications must be filed by January 15, 1968

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 1; Geometry and Topology, 4; Analysis and Functional Analysis, 4; Probability and Statistics, 1; Mathematical Economics, 2. TOTAL: 12

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Amount</td>
<td>Tuition, if not included in stipend</td>
</tr>
<tr>
<td>Fellowship (12-16)</td>
<td>2000-2800</td>
<td>9</td>
</tr>
<tr>
<td>Teaching Assistantship (12-16)</td>
<td>2200-2500</td>
<td>9</td>
</tr>
<tr>
<td>Research Assistantship (6-12)</td>
<td>3700-4500 *</td>
<td>*</td>
</tr>
</tbody>
</table>

*Student pays 3/4 tuition out of stipend.

Rhode Island College

PROVIDENCE, RHODE ISLAND 02908
Robert F. Steward, Chairman
Department of Mathematics

Applications must be filed by March 1, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Amount</td>
<td>Tuition, if not included in stipend</td>
</tr>
<tr>
<td>Teaching Assistantship (3)</td>
<td>2100</td>
<td>9</td>
</tr>
</tbody>
</table>
University of Rhode Island

KINGSTON, RHODE ISLAND 02881
V. Lakshmikantham, Chairman
Department of Mathematics
Applications must be filed by March 15, 1968

NUMBER OF DEGREES AWARDED IN 1967
Baccalaureate Degrees by Institution: 1150
Baccalaureate Degrees by Department: 66
Master's Degrees by Department: 15

Type of financial assistance (with number anticipated in 1968–1969)

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (12)</td>
<td>2100</td>
<td>9</td>
<td></td>
<td>5</td>
</tr>
</tbody>
</table>

SOUTH CAROLINA

Clemson University

CLEMSON, SOUTH CAROLINA 29631
C. V. Aucoin, Head
Department of Mathematics
Applications must be filed by March 1, 1968

NUMBER OF DEGREES AWARDED IN 1967
Baccalaureate Degrees by Institution: 697
Baccalaureate Degrees by Department: 31
Master's Degrees by Department: 9

Type of financial assistance (with number anticipated in 1968–1969)

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (45)</td>
<td>2500–3000</td>
<td>9</td>
<td>$45/sem.</td>
<td>4-6</td>
</tr>
<tr>
<td>Research Assistantship (5)</td>
<td>3200–3600</td>
<td>12</td>
<td>$45/sem.</td>
<td></td>
</tr>
<tr>
<td>NASA*, NSF*, NDEA* (10)</td>
<td>2400</td>
<td>12</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*$2400 for first year graduate students, $2600 for second year graduate students, $2800 for third year graduate students, plus $500 per dependent.

University of South Carolina

COLUMBIA, SOUTH CAROLINA 29208
Sidney Birnbaum, Acting Head
Department of Mathematics
Applications must be filed by March 1, 1968

PH.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 6; Foundations, 1. TOTAL: 7

Type of financial assistance (with number anticipated in 1968–1969)

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (9)</td>
<td>2000–2800</td>
<td>9 to 12</td>
<td></td>
<td>12 hr.</td>
</tr>
<tr>
<td>Teaching Assistantship (10) (40)</td>
<td>7000–8000</td>
<td>9</td>
<td>$10/course</td>
<td>Teaching</td>
</tr>
<tr>
<td></td>
<td>2000–2500</td>
<td>9</td>
<td>$10/course</td>
<td></td>
</tr>
</tbody>
</table>

UNIVERSITY OF SOUTH CAROLINA

The Department of Mathematics of the University of South Carolina has available a limited number of assistantships, teaching and research, from $2,000 to $2,500, for qualified students who wish to work for the master's or doctor's degree. The teaching load is three hours per week. Tuition is $30 for each semester. Full-time teaching assistantships, from $7,000 to $8,000, are also available for those who need more aid and are willing to spend less time on their own programs.

Some fellowships, supported by NASA, HEW, and NSF will be awarded. These are normally for three-year terms and provide stipends from $2,000 to $2,800 with dependency allowances. Applications should be submitted by March 1 to:

Dean of the Graduate School · · · University of South Carolina
Columbia, South Carolina 29208

1049
Winthrop College
ROCK HILL, SOUTH CAROLINA 29730
Charles W. Huff, Chairman
Department of Mathematics
Applications must be filed by April 1, 1968

Applications must be filed by April 1, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (6)</td>
<td>1200-2400</td>
<td>9</td>
<td>$150</td>
<td>3-6</td>
<td>Teaching</td>
</tr>
<tr>
<td>Scholarship (3)</td>
<td>200-1000</td>
<td>9</td>
<td>$150</td>
<td>9</td>
<td>Graduate Study</td>
</tr>
</tbody>
</table>

SOUTH DAKOTA

South Dakota School of Mines & Technology
RAPID CITY, SOUTH DAKOTA 57701
Dean C. Benson, Head
Department of Mathematics
Applications must be filed by March 15, 1968

Applications must be filed by March 15, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (6)</td>
<td>2500</td>
<td>9</td>
<td>$3.17/sem. hr.</td>
<td>4-5</td>
<td>Teaching</td>
</tr>
<tr>
<td>Research Assistantship (2)</td>
<td>2500</td>
<td>9</td>
<td>$3.17/sem. hr.</td>
<td>9</td>
<td>Research</td>
</tr>
</tbody>
</table>

University of South Dakota
VERMILLION, SOUTH DAKOTA 57069
William E. Ekman, Chairman
Department of Mathematics
Applications must be filed by April 1, 1968

Applications must be filed by April 1, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (8)</td>
<td>1800-2200</td>
<td>9</td>
<td>1/3 in-state tuition</td>
<td>4-5</td>
<td>Teaching</td>
</tr>
</tbody>
</table>

TENNESSEE

Austin Peay State University
CLARKSVILLE, TENNESSEE 37040
William G. Stokes, Chairman
Department of Mathematics

Applications must be filed by August 15, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (4)</td>
<td>1500</td>
<td>9</td>
<td>$200</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

East Tennessee State University
JOHNSON CITY, TENNESSEE 37601
Lester C. Hartsell, Chairman
Department of Mathematics
Applications must be filed by August 15, 1968

Applications must be filed by August 15, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (7)</td>
<td>1400-2000</td>
<td>9</td>
<td>$8/qr. hr.</td>
<td>6-9</td>
<td></td>
</tr>
</tbody>
</table>
Memphis State University

MEMPHIS, TENNESSEE 38111
H. S. Kaltenborn, Chairman
Department of Mathematics
Applications must be filed by March 1, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (20)</td>
<td>2400</td>
<td>9</td>
<td>$225</td>
<td>6</td>
</tr>
</tbody>
</table>

Middle Tennessee State University

MURFREESBORO, TENNESSEE 37130
Harold S. Spraker, Chairman
Department of Mathematics

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (8)</td>
<td>2000</td>
<td>9</td>
<td>$12 per. hr.</td>
<td>7</td>
</tr>
</tbody>
</table>

Tennessee Technological University

COOKEVILLE, TENNESSEE 38501
Ralph C. Boles, Chairman
Department of Mathematics
Applications must be filed by March 1, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (12)</td>
<td>1800–2400</td>
<td>9</td>
<td>University pays tuition</td>
<td>6</td>
</tr>
</tbody>
</table>

University of Tennessee

KNOXVILLE, TENNESSEE 37916
John H. Barrett, Chairman
Department of Mathematics
Applications must be filed by March 1, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (35)</td>
<td>1000–3400</td>
<td>9</td>
<td>$15/qtr.</td>
<td>Teaching</td>
</tr>
<tr>
<td>Teaching Fellowship (1)</td>
<td>2400–3600</td>
<td>9</td>
<td>$15/qtr.</td>
<td>Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (60)</td>
<td>2500–2700</td>
<td>9</td>
<td>$15/qtr.</td>
<td>Teaching</td>
</tr>
<tr>
<td>Research Assistantship (2)</td>
<td>2500</td>
<td>9</td>
<td>$15/qtr.</td>
<td>Teaching</td>
</tr>
</tbody>
</table>

PH. D. Degrees awarded during last three years by field of specialization: Geometry and Topology, 2; Analysis and Functional Analysis, 1; Probability and Statistics, 2; Computer Science and Numerical Analysis, 2; Applied Mathematics, 1. TOTAL: 8
### Vanderbilt University

Nashville, Tennessee 37203

E. Baylis Shanks, Chairman
Department of Mathematics

Applications must be filed by February 15, 1968

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 2; Geometry and Topology, 2. TOTAL: 4

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (14)</td>
<td>2400-2800</td>
<td>12</td>
<td>+ tuition</td>
<td>6-10</td>
<td>Teaching</td>
</tr>
<tr>
<td>Teaching Fellowship (4)</td>
<td>5000</td>
<td>9</td>
<td>+ tuition</td>
<td>6-10</td>
<td>Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (8)</td>
<td>2000</td>
<td>9</td>
<td>+ tuition</td>
<td>6-10</td>
<td>Teaching</td>
</tr>
<tr>
<td>Research Assistantship (5)</td>
<td>1160-3460</td>
<td>9</td>
<td>+ tuition</td>
<td>6-10</td>
<td>Teaching</td>
</tr>
<tr>
<td>Scholarship (5)</td>
<td>2000</td>
<td>9</td>
<td>+ tuition</td>
<td>6-10</td>
<td>Teaching</td>
</tr>
<tr>
<td>M. A. T. (5)</td>
<td>2400</td>
<td>9</td>
<td>+ tuition</td>
<td>6-10</td>
<td>Teaching</td>
</tr>
</tbody>
</table>

### TEXAS

#### East Texas State University

Commerce, Texas 75428

Dale R. Bedgood, Head
Department of Mathematics

Applications must be filed by April 1, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Fellowship (2)</td>
<td>3200</td>
<td>9</td>
<td>Yes</td>
<td>12</td>
</tr>
<tr>
<td>Teaching Assistantship (15)</td>
<td>2250</td>
<td>9</td>
<td>Yes</td>
<td>12</td>
</tr>
</tbody>
</table>

### Midwestern University

Wichita Falls, Texas 76308

John W. Meux, Chairman
Department of Mathematics

Applications must be filed by March 15, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (5)</td>
<td>2700</td>
<td>9</td>
<td><strong>$5</strong></td>
<td>6 sem. hrs.</td>
</tr>
</tbody>
</table>

### North Texas State University

Denton, Texas 76203

John T. Mohat, Chairman
Department of Mathematics

Applications must be filed by March 15, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (26)</td>
<td>2400</td>
<td>9</td>
<td>*</td>
<td>8</td>
</tr>
<tr>
<td>Traineeship (NSF)**</td>
<td>2400</td>
<td>12</td>
<td>Waived</td>
<td>8</td>
</tr>
</tbody>
</table>

*$150/9 months; $450/9 months if out of state student.

**Application deadline.
Rice University

HOUSTON, TEXAS 77001
Morton L. Curtis, Chairman
Department of Mathematics
Applications must be filed by April 1, 1968

NUMBER OF DEGREES AWARDED IN 1967
Baccalaureate Degrees by Institution: 384
Baccalaureate Degrees by Department: 34

PH. D. Degrees awarded during last three years by field of specialization: Analysis and Functional Analysis, 9; Computer Science and Numerical Analysis, 1; Topology, 2. TOTAL: 12

<table>
<thead>
<tr>
<th>Type of financial assistance</th>
<th>Number of Degrees Awarded</th>
<th>1967</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baccalaureate Degrees by Institution</td>
<td>384</td>
<td></td>
</tr>
<tr>
<td>Baccalaureate Degrees by Department</td>
<td>34</td>
<td></td>
</tr>
</tbody>
</table>

Stipend

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (35)</td>
<td>3500–4100</td>
<td>9*</td>
<td>6–8 Assisting</td>
</tr>
<tr>
<td>Teaching Fellowship (10)</td>
<td>3725–4100</td>
<td>9</td>
<td>6–8 Teaching</td>
</tr>
<tr>
<td>Scholarship (3)</td>
<td>Tuition $1700</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*12 mo. at comparable increase.

Sam Houston State College

HUNTSVILLE, TEXAS 77340
Glen E. Mattingly, Director
Department of Mathematics
Applications must be filed by March 1, 1968

NUMBER OF DEGREES AWARDED IN 1967
Baccalaureate Degrees by Institution: 1001
Baccalaureate Degrees by Department: 37
Master's Degrees by Department: 3

Stipend

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Fellowship (6)</td>
<td>2700–3150</td>
<td>9</td>
<td>6 Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (6)</td>
<td>2700–2925</td>
<td>9</td>
<td>Varies</td>
</tr>
<tr>
<td>NSF Summer Institute (20)</td>
<td>450–890</td>
<td>6 wks.</td>
<td></td>
</tr>
<tr>
<td>DHEW, Office of Education (30)</td>
<td>4800 + 720 per dependent</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

Southern Methodist University

DALLAS, TEXAS 75222
David W. Starr, Chairman
Department of Mathematics
Applications must be filed by March 15, 1968

NUMBER OF DEGREES AWARDED IN 1967
Baccalaureate Degrees by Institution: 809
Baccalaureate Degrees by Department: 25
Master's Degrees by Department: 3

Stipend

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (7)</td>
<td>2000–3000</td>
<td>9</td>
<td>3–6 Teaching</td>
</tr>
</tbody>
</table>

Southern Methodist University

DALLAS, TEXAS 75222
Paul D. Minton, Chairman
Department of Statistics

PH. D. program instituted Fall, 1966.

NUMBER OF DEGREES AWARDED IN 1967
Baccalaureate Degrees by Institution: 869
Master's Degrees by Department: 10

Stipend

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>9 or Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (12)</td>
<td>2400–2800</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>+ dependents allow.</td>
<td>Yes</td>
</tr>
<tr>
<td>Research Assistantship (4)</td>
<td>1800</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Scholarship (2)</td>
<td></td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>
### Southwest Texas State College

SAN MARCOS, TEXAS 78666  
Don Cude, Chairman  
Department of Mathematics  
Applications must be filed by March 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (12 to 15)</td>
<td>1350-4050 9 mo.</td>
<td></td>
<td>5 1/2-15</td>
</tr>
</tbody>
</table>

### Stephen F. Austin State College

NACOGDOCHES, TEXAS 75961  
W. I. Layton, Head  
Department of Mathematics  
Applications must be filed by March 1, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (12*)</td>
<td>1300-2600 9 mo.</td>
<td>Yes**</td>
<td>3-6 Teaching</td>
</tr>
</tbody>
</table>

*$1500-2800 for out-of-state graduate assistants.  
**$88 per semester in-state.

### Texas A & M University

COLLEGE STATION, TEXAS 77843  
H. A. Luther, Acting Head  
Department of Mathematics

PH. D. Degrees awarded during last three years by field of specialization: Computer Science and Numerical Analysis, 1.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (5)</td>
<td>2700** 9 mo.</td>
<td>Yes*</td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (65)</td>
<td>2250-2700 9 mo.</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (5)</td>
<td>2250-2700 9 mo.</td>
<td>Yes</td>
<td></td>
</tr>
</tbody>
</table>

*Non-resident tuition fees waived.  
**Amount varies with number of dependents.

### Texas Christian University

FORT WORTH, TEXAS 76129  
L. A. Colquitt, Chairman  
Department of Mathematics  
Applications must be filed by February 15, 1968

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 2; Geometry and Topology, 3; Logic, 1; Analysis and Functional Analysis, 2. TOTAL: 8

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (9)</td>
<td>2400-4000 12 mo.</td>
<td></td>
<td>8 Research</td>
</tr>
<tr>
<td>Teaching Fellowship (7)</td>
<td>2400-4000 12 mo.</td>
<td></td>
<td>3 Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (4)</td>
<td>1750 12 mo.</td>
<td></td>
<td>6 Teaching</td>
</tr>
<tr>
<td>Research Assistantship (2)</td>
<td>2150 12 mo.</td>
<td></td>
<td>6 Teaching</td>
</tr>
<tr>
<td>Scholarship (2)</td>
<td>3200-3400 12 mo.</td>
<td></td>
<td>20 Research</td>
</tr>
<tr>
<td>NDEA (2)</td>
<td>2400-3400 12 mo.</td>
<td></td>
<td>8 Research</td>
</tr>
</tbody>
</table>

1054
### Texas Southern University

**HOUSTON, TEXAS 77026**  
Llayron L. Clarkson, Head  
Department of Mathematics

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Amount (dollars)</td>
<td>9 or 12 mo.</td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (3)</td>
<td>900-2700</td>
<td>9</td>
<td>$50</td>
</tr>
</tbody>
</table>

### Texas Technological College

**LUBBOCK, TEXAS 79409**  
Patrick L. Odell, Chairman  
Department of Mathematics

Applications must be filed by March 15, 1968

**NUMBER OF DEGREES AWARDED IN 1967**  
Baccalaureate Degrees by Institution: 2077  
Baccalaureate Degrees by Department: 76  
Master's Degrees by Department: 19

**PH. D. Degrees awarded during last three years by field of specialization:** Applied Mathematics, 1.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Amount (dollars)</td>
<td>9 or 12 mo.</td>
<td></td>
</tr>
<tr>
<td>Fellowship (7)</td>
<td>2600-2800</td>
<td>9</td>
<td>Not included</td>
</tr>
<tr>
<td>Teaching Assistantship (70)</td>
<td>2400-2800</td>
<td>9</td>
<td>out-of-state tuition waived</td>
</tr>
<tr>
<td>Scholarship (11)</td>
<td>600</td>
<td>9</td>
<td>Not included</td>
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</table>

### Texas Woman’s University

**DENTON, TEXAS 76204**  
John Christy, Chairman  
Department of Mathematics

Applications must be filed by April 1, 1968

**NUMBER OF DEGREES AWARDED IN 1967**  
Baccalaureate Degrees by Institution: 503  
Baccalaureate Degrees by Department: 6  
Master's Degrees by Department: 6

<table>
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<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tr>
<td></td>
<td>Amount (dollars)</td>
<td>9 or 12 mo.</td>
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</tr>
<tr>
<td>Teaching Assistantship (2-3)</td>
<td>1800-2400</td>
<td>9</td>
<td>$50/sem. ($200/sem. if not resident)</td>
</tr>
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</table>

### University of Houston

**HOUSTON, TEXAS 77004**  
D. Reginald Traylor, Chairman  
Department of Mathematics

Applications must be filed by March 1, 1968

**NUMBER OF DEGREES AWARDED IN 1967**  
Baccalaureate Degrees by Department: 114  
Master's Degrees by Department: 5

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Amount (dollars)</td>
<td>9 or 12 mo.</td>
<td></td>
</tr>
<tr>
<td>Fellowship (15)</td>
<td>1800-3400</td>
<td>9</td>
<td>$50</td>
</tr>
<tr>
<td>Teaching Fellowship (35)</td>
<td>1800-3600</td>
<td>9</td>
<td>$50</td>
</tr>
<tr>
<td>Research Assistantship (2)</td>
<td>2025</td>
<td>9</td>
<td>$50</td>
</tr>
<tr>
<td>University of Texas</td>
<td>NUMBER OF DEGREES AWARDED IN 1967</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------------------------------</td>
<td>-------------------------------------------------------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>W. W. Bledsoe, Acting Chairman</td>
<td>Baccalaureate Degrees by Institution: 5534</td>
<td></td>
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<tr>
<td>Department of Mathematics</td>
<td>Baccalaureate Degrees by Department: 213</td>
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<td></td>
<td>Master's Degrees by Department: 40</td>
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PH. D. Degrees awarded during last three years by field of specialization: TOTAL: 67

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (15)</td>
<td>2000–3000 both</td>
<td>Yes</td>
<td>9 or 12 mo.</td>
</tr>
<tr>
<td>Teaching Assistantship (140)</td>
<td>2400–4000 9</td>
<td>Yes</td>
<td>20</td>
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</tbody>
</table>

University of Texas

AUSTIN, TEXAS 78712

Robert Todd Gregory, Chairman
Department of Computer Sciences

Applications must be filed by January 31, 1968

PH. D. Degrees awarded during last three years by field of specialization: Computer Science and Numerical Analysis, 12.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (6)</td>
<td>2400–2700 9</td>
<td>$50</td>
<td>20</td>
</tr>
<tr>
<td>Teaching Assistantship (6)</td>
<td>2400–2700 9</td>
<td>$50</td>
<td>2 courses</td>
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</table>

University of Texas

EL PASO, TEXAS 79902

Charles H. Gladman, Chairman
Department of Mathematics

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (6)</td>
<td>2250–2500 9</td>
<td>$50</td>
<td>6</td>
</tr>
</tbody>
</table>

UNIVERSITY OF HOUSTON

The Department of Mathematics invites qualified students to apply to its graduate program in mathematics. M.S. and Ph.D. degrees are granted in the areas of Analysis, Algebra, Topology, Applied Mathematics, Differential Equations, Probability, and Differential Geometry.

A limited number of Fellowships, NDEA Fellowships, NSF Fellowships, and NASA Traineeships are available. In addition, there are available a number of Teaching Fellowships from $1800 to $3600.

Application blanks for admission and fellowships may be obtained from the Dean of the Graduate School, University of Houston, Houston, Texas 77004. Applications must be made by December 15 for the Spring semester and by July 25 for the Fall semester.
West Texas State University

CANYON, TEXAS 79015

Hollis L. Cook, Head
Department of Mathematics
Applications must be filed by March 15, 1968

Type of financial assistance (with number anticipated in 1968–1969) | Stipend | Tuition, if not included in stipend | Service Required |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Amount (dollars)</td>
<td>9 or 12 mo.</td>
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<td>Hrs/Week</td>
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<tr>
<td>Teaching Assistantship (10)</td>
<td>2700</td>
<td>9</td>
<td>*</td>
</tr>
<tr>
<td>Research Assistantship (2)</td>
<td>2000</td>
<td>9</td>
<td>*</td>
</tr>
</tbody>
</table>

*Tuition must be paid by student.

UTAH

Brigham Young University

PROVO, UTAH 84601

Kenneth L. Hillam, Chairman
Department of Mathematics
Applications must be filed by March 31, 1968

Type of financial assistance (with number anticipated in 1968–1969) | Stipend | Tuition, if not included in stipend | Service Required |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Amount (dollars)</td>
<td>9 or 12 mo.</td>
<td></td>
<td>Hrs/Week</td>
</tr>
<tr>
<td>Fellowship (4)</td>
<td>2500-3000</td>
<td>2500-3000*</td>
<td>7</td>
</tr>
<tr>
<td>Teaching Assistantship (26)</td>
<td>3000-3200</td>
<td>3000-3200*</td>
<td>7</td>
</tr>
<tr>
<td>NSF (1)</td>
<td>2400</td>
<td>2400</td>
<td>7</td>
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University of Utah

SALT LAKE CITY, UTAH 84112

C. Edmund Burgess, Chairman
Department of Mathematics
Applications for fellowships must be filed by February 1, 1968 and assistantships by March 15, 1968.

Type of financial assistance (with number anticipated in 1968–1969) | Stipend | Tuition, if not included in stipend | Service Required |
<table>
<thead>
<tr>
<th></th>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Amount (dollars)</td>
<td>9 or 12 mo.</td>
<td></td>
<td>Hrs/Week</td>
</tr>
<tr>
<td>Fellowship (10)</td>
<td>2400-2800*</td>
<td>2400-2800*</td>
<td>3-6</td>
</tr>
<tr>
<td>Teaching Fellowship (10)</td>
<td>3000-3800*</td>
<td>3000-3800*</td>
<td>3-6</td>
</tr>
<tr>
<td>Teaching Assistantship (35)</td>
<td>3000-3900</td>
<td>$115/qtr**</td>
<td>5-6</td>
</tr>
<tr>
<td>Research Assistantship (5)</td>
<td>3000</td>
<td>$115/qtr**</td>
<td>5-6</td>
</tr>
</tbody>
</table>

*Plus dependents' allowance.
**Out-of-state tuition waived.

Utah State University

LOGAN, UTAH 84321

Neville C. Hunsaker, Head
Department of Mathematics
Applications must be filed by March 15, 1968

Type of financial assistance (with number anticipated in 1968–1969) | Stipend | Tuition, if not included in stipend | Service Required |
<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Amount (dollars)</td>
<td>9 or 12 mo.</td>
<td></td>
<td>Hrs/Week</td>
</tr>
<tr>
<td>Teaching Assistantship (20)</td>
<td>2400-3600</td>
<td>$300</td>
<td>5-10</td>
</tr>
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</table>

1057
### University of Vermont

**BURLINGTON, VERMONT 05401**  
Donald E. Moser, Chairman  
Department of Mathematics  
Applications must be filed by March 1, 1968

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required Hrs/Week</th>
<th>Type</th>
</tr>
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<tbody>
<tr>
<td>Teaching Assistantship (9)</td>
<td>2200–2400</td>
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### Madison College

**HARRISONBURG, VIRGINIA 22801**  
J. Emmert Ikenberry, Head  
Department of Mathematics  
Applications must be filed by April 30, 1968

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required Hrs/Week</th>
<th>Type</th>
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</thead>
<tbody>
<tr>
<td>Teaching Assistantship (4)</td>
<td>1800</td>
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</tbody>
</table>

### University of Virginia

**CHARLOTTESVILLE, VIRGINIA 22901**  
E. E. Floyd, Chairman  
Department of Mathematics  
Applications must be filed by February 15, 1968

- Baccalaureate Degrees by Institution: 752
- Baccalaureate Degrees by Department: 60
- Master's Degrees by Department: 3

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required Hrs/Week</th>
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<tbody>
<tr>
<td>Fellowship (32)</td>
<td>1500–2500</td>
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<tr>
<td>Teaching Assistantship (18)</td>
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<td>$372</td>
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<tr>
<td>Research Assistantship (12)</td>
<td>2550–3000</td>
<td>9</td>
<td>$372–$872</td>
<td></td>
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</tr>
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</table>

- Baccalaureate Degrees by Institution: 306
- Baccalaureate Degrees by Department: 20
- Master's Degrees by Department: 2

**PH. D. Degrees awarded during last three years by field of specialization:**  
- Algebra and Number Theory, 5; Geometry and Topology, 5; Analysis and Functional Analysis, 5. TOTAL: 15

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (4)</td>
<td>2400–3400</td>
<td>9 or 12</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Teaching Fellowship (6)</td>
<td>2700–3000</td>
<td>9</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (8)</td>
<td>2700–3000</td>
<td>9</td>
<td>$300–$800</td>
<td></td>
<td></td>
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<tr>
<td>Research Assistantship (9)</td>
<td>2500–2900</td>
<td>9</td>
<td>$300–$800</td>
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</tbody>
</table>

**New PH. D. program in 1965.**
Virginia Polytechnic Institute

BLACKSBURG, VIRGINIA 24061

Leon W. Rutland, Chairman
Department of Mathematics
Applications must be filed by March 1, 1968

Applications must be filed by March 1, 1968

PH.D.Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 2; Geometry and Topology, 4; Analysis and Functional Analysis, 1. TOTAL: 7

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tbody>
<tr>
<td>Fellowship (6)</td>
<td>2400-3300</td>
<td>12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (22)</td>
<td>2745-3150</td>
<td>9</td>
<td>$140/qtr.</td>
<td>6</td>
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Virginia Polytechnic Institute

BLACKSBURG, VIRGINIA 24061

Boyd Harshbarger, Head
Department of Statistics
Applications must be filed by February 1, 1968

NUMBER OF DEGREES AWARDED IN 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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</thead>
<tbody>
<tr>
<td>Fellowship (20)</td>
<td>2400-3600</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (5)</td>
<td>2610-3100</td>
<td>9</td>
<td>$420</td>
<td>6</td>
</tr>
<tr>
<td>Research Assistantship (2)</td>
<td>3480-4200</td>
<td>12</td>
<td></td>
<td>20</td>
</tr>
<tr>
<td>Direct Federal Grants (6)</td>
<td>2400-3600</td>
<td>12</td>
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</table>

Virginia State College

PETERSBURG, VIRGINIA 23803

Reuben R. McDaniel, Chairman
Department of Mathematics
Applications must be filed by June 15, 1968

NUMBER OF DEGREES AWARDED IN 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tbody>
<tr>
<td>Teaching Fellowship (3)</td>
<td>1500-1500</td>
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<td>Yes</td>
<td>8-12</td>
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<tr>
<td>Teaching Assistantship (2)</td>
<td>2000</td>
<td>9</td>
<td>Yes</td>
<td>3-6</td>
</tr>
</tbody>
</table>

College of William and Mary

WILLIAMSBURG, VIRGINIA 23185

Thomas L. Reynolds, Head
Department of Mathematics
Applications must be filed by March 15, 1968

NUMBER OF DEGREES AWARDED IN 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tbody>
<tr>
<td>Fellowship (2)</td>
<td>1500</td>
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<td>Not incl.</td>
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<tr>
<td>Teaching Assistantship (8)</td>
<td>2400</td>
<td>9</td>
<td>Free</td>
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</tr>
<tr>
<td>NSF Traineeship (2)</td>
<td>2400</td>
<td>9</td>
<td>Free</td>
<td></td>
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Central Washington State College

ELLENSBURG, WASHINGTON 98926

Dale R. Comstock, Chairman
Department of Mathematics
Applications must be filed by March 15, 1968

NUMBER OF DEGREES AWARDED IN 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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</thead>
<tbody>
<tr>
<td>Teaching Assistantship (5)</td>
<td>1750-2750</td>
<td>9</td>
<td>$90/qtr.</td>
<td>10</td>
</tr>
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</table>
Eastern Washington State College

SPOKANE, WASHINGTON 99004
R. G. Thompson, Chairman
Department of Mathematics
Applications must be filed by February 1, 1968

Type of financial assistance (with number anticipated in 1968-1969)

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in Stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Fellowship (6)</td>
<td>2250</td>
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<td>Yes</td>
</tr>
<tr>
<td>Teaching Assistantship (2)</td>
<td>2250</td>
<td>9</td>
<td>Yes</td>
</tr>
<tr>
<td>Research Assistantship (1)</td>
<td>1600-1800</td>
<td>9</td>
<td>$1100</td>
</tr>
</tbody>
</table>

Gonzaga University

SPOKANE, WASHINGTON 99202
Zane C. Motteler, Chairman
Department of Mathematics
Applications must be filed by March 15, 1968

Type of financial assistance (with number anticipated in 1968-1969)

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (1)</td>
<td>1600-1800</td>
<td>9</td>
<td>$1100</td>
</tr>
</tbody>
</table>

University of Washington

SEATTLE, WASHINGTON 98105
Ross A. Beaumont, Chairman
Department of Mathematics

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 12; Geometry and Topology, 4; Logic, 1; Analysis and Functional Analysis, 17; Probability and Statistics, 4. TOTAL: 38

Type of financial assistance (with number anticipated in 1968-1969)

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (49)</td>
<td>2400-3500</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (74)</td>
<td>2925-3375</td>
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<td>$345</td>
</tr>
<tr>
<td>Research Assistantship (33)</td>
<td>2700</td>
<td>9</td>
<td>$345</td>
</tr>
</tbody>
</table>

Washington State University

PULLMAN, WASHINGTON 99163
D. Bushaw, Chairman
Department of Mathematics
Applications must be filed by March 15, 1968

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 3; Geometry and Topology, 7; Combinatorial Analysis, 1; Applied Mathematics, 1. TOTAL: 12

Type of financial assistance (with number anticipated in 1968-1969)

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (12)</td>
<td>2400-3000</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (28)</td>
<td>2500-3150</td>
<td>9</td>
<td>$345</td>
</tr>
<tr>
<td>Research Assistantship (5)</td>
<td>1060</td>
<td>9</td>
<td>$345</td>
</tr>
</tbody>
</table>

1060
Washington State University

Pullman, Washington 99163
Otis Rechard, Chairman
Department of Information Science
Applications must be filed by March 1, 1968

Approval for Ph.D. program was granted in January, 1967.

Number of Degrees Awarded in 1967

Master's Degrees by Department: 5

<table>
<thead>
<tr>
<th>Stipend Type</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship</td>
<td>Varies</td>
<td>9 or 12 mo.</td>
<td>$172.50/sem.</td>
<td>20 Hrs/Week</td>
</tr>
<tr>
<td>Teaching Assistantship</td>
<td>$2950.20</td>
<td>9</td>
<td>$172.50/sem.</td>
<td>4 hrs. recitation</td>
</tr>
<tr>
<td>Research Assistantship</td>
<td>3426</td>
<td>12</td>
<td>$172.50/sem.</td>
<td>20 Assisting in research projects</td>
</tr>
<tr>
<td>Computer Center Assistantship</td>
<td>3426</td>
<td>12</td>
<td>$172.50/sem.</td>
<td>20 User consultation, system or application programming</td>
</tr>
</tbody>
</table>

Western Washington State College

Bellingham, Washington 98225
Joseph Hashisaki, Chairman
Department of Mathematics
Applications must be filed by April 30, 1968

Number of Degrees Awarded in 1967

Baccalaureate Degrees by Institution: 989
Baccalaureate Degrees by Department: 33
Master's Degrees by Department: 9

<table>
<thead>
<tr>
<th>Stipend Type</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship</td>
<td>2000–3200</td>
<td>9</td>
<td></td>
<td>9 or 12 mo.</td>
</tr>
<tr>
<td>Teaching Assistantship</td>
<td>2700</td>
<td>9</td>
<td></td>
<td>9 Hrs/Week 5 Teaching</td>
</tr>
</tbody>
</table>

West Virginia University

Morgantown, West Virginia 26506
J. C. Eaves, Chairman
Department of Mathematics and Statistics
Applications must be filed by February 1, 1968

Number of Degrees Awarded in 1967

Baccalaureate Degrees by Institution: 400
Baccalaureate Degrees by Department: 20
Master's Degrees by Department: 15

<table>
<thead>
<tr>
<th>Stipend Type</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship</td>
<td>2100–2400</td>
<td>9</td>
<td></td>
<td>6 Hrs/Week 6 Teaching</td>
</tr>
</tbody>
</table>

Marquette University

Milwaukee, Wisconsin 53233
C. B. Hanneken, Chairman
Department of Mathematics
Applications must be filed by March 1, 1968

Number of Degrees Awarded in 1967

Baccalaureate Degrees by Institution: 1910
Baccalaureate Degrees by Department: 65
Master's Degrees by Department: 19

<table>
<thead>
<tr>
<th>Stipend Type</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship</td>
<td>1350–2350</td>
<td>9</td>
<td></td>
<td>6 Hrs/Week 6 Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship</td>
<td>2200–2600</td>
<td>9</td>
<td></td>
<td>6 Teaching and Research</td>
</tr>
<tr>
<td>Research Assistantship</td>
<td>1900–2300</td>
<td>9</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Scholarship</td>
<td>960</td>
<td>9</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>NSF-Traineeship</td>
<td>2400–2800</td>
<td>12</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1061
University of Wisconsin

MADISON, WISCONSIN 53706

Hans Schneider, Chairman
Department of Mathematics

Applications must be filed by January 15, 1968

NUMBER OF DEGREES AWARDED IN ACADEMIC YEAR 1966–1967

Baccalaureate Degrees by Institution: 3760
Baccalaureate Degrees by Department: 80
Master's Degrees by Department: 45

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 13; Geometry and Topology, 19; Logic, 4; Analysis and Functional Analysis, 21; Probability and Statistics, 3; Computer Science and Numerical Analysis, 3. TOTAL: 63

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (50)</td>
<td>2000–3400</td>
<td>12</td>
<td>about $450</td>
<td>5–8</td>
</tr>
<tr>
<td>Teaching Assistantship (165)</td>
<td>2700–3500</td>
<td>9</td>
<td>1/4–1/2 time</td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (35)</td>
<td>1300–2800</td>
<td>9</td>
<td>1/4–1/2 time</td>
<td></td>
</tr>
<tr>
<td>MRC Fellowship (4–6)</td>
<td>2400–2800*</td>
<td>12</td>
<td>1/4–1/2 time</td>
<td></td>
</tr>
<tr>
<td>(1–2)</td>
<td>2800–3300*</td>
<td>12</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Plus $500 allowance for each dependent.

University of Wisconsin

MADISON, WISCONSIN 53715

George E. P. Box, Chairman
Department of Statistics

Applications must be filed by January 15, 1968

PH. D. Degrees awarded during last three years by field of specialization: Probability and Statistics, 6.

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (10)</td>
<td>3000–3300</td>
<td>9</td>
<td>$320–$1100</td>
<td>10</td>
</tr>
<tr>
<td>Teaching Assistantship (10)</td>
<td>3000–3300</td>
<td>9</td>
<td>$320–$1100</td>
<td>20</td>
</tr>
<tr>
<td>Research Assistantship (34)</td>
<td>3000–3300</td>
<td>9</td>
<td>$320–$1100</td>
<td>20</td>
</tr>
</tbody>
</table>

*Plus $500 Allowance for each dependent.

University of Wisconsin

MADISON, WISCONSIN 53706

J. Barkley Rosser, Director
Mathematics Research Center, U. S. Army

Applications must be filed by February 1, 1968

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>MRC Fellowship (12)</td>
<td>2400–2800*</td>
<td>12</td>
<td>1/4–1/2 time</td>
<td></td>
</tr>
<tr>
<td>Director's Fellowship (3)</td>
<td>2800–3300*</td>
<td>12</td>
<td>1/4–1/2 time</td>
<td></td>
</tr>
</tbody>
</table>
University of Wisconsin

MADISON, WISCONSIN 53706
J. B. Rosen, Chairman
Department of Computer Science
Applications must be filed by January 15, 1968

PH.D. Degrees awarded during last three years by field of specialization: Computer Science and Numerical Analysis, 3.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (10)</td>
<td>2250-3000</td>
<td>12</td>
<td>$410</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MRC Fellowship (6)</td>
<td>2400-3300</td>
<td>12</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (35)</td>
<td>2457-3375</td>
<td>9</td>
<td>$410</td>
<td>15-20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (25)</td>
<td>2565</td>
<td>9</td>
<td>$410</td>
<td>20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Computing Assistantship (15)</td>
<td>310-320/mo.</td>
<td></td>
<td>$410</td>
<td>20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Project Assistantship (40)</td>
<td>To be arranged individually</td>
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<td></td>
</tr>
</tbody>
</table>

University of Wisconsin-Milwaukee

MILWAUKEE, WISCONSIN 53201
Frederick Bagemihl, Chairman
Department of Mathematics
Applications must be filed by February 15, 1968

PH.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 1; Analysis and Functional Analysis, 1. TOTAL: 2

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (16)</td>
<td>1800-2400</td>
<td>9</td>
<td>$205</td>
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<tr>
<td>Teaching Fellowship (6)</td>
<td>750-1634</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (50)</td>
<td>3267-3375</td>
<td>9</td>
<td>$205</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>University Graduate Fellows (8)</td>
<td>2760-3500</td>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Wisconsin State University

EAU CLAIRE, WISCONSIN 54701
Lawrence F. Wahlstrom, Chairman
Department of Mathematics
Applications must be filed by February 1, 1968, but applications are accepted after that date.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (1)</td>
<td>2400</td>
<td>9</td>
<td>$172</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scholarship (1)</td>
<td>300</td>
<td></td>
<td>$172</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Wisconsin State University

RIVER FALLS, WISCONSIN 54022
Lillian Gough, Chairman
Department of Mathematics

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968-1969)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (10)</td>
<td>2000-2500</td>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1063
FELLOWSHIPS IN APPLIED MATHEMATICS

To afford opportunity for predoctoral graduate study directed mainly toward applied mathematics and related fields, the Mathematics Research Center, U.S. Army, at the University of Wisconsin offers a number of fellowships to applicants with distinguished academic records. An applicant must be a United States citizen and have a bachelor's degree, preferably in mathematics, physics or engineering, and he must obtain admission to the Graduate School of the University of Wisconsin. Information about the Graduate School and applications for admission should be requested directly from the Office of the Dean of the Graduate School, University of Wisconsin, Madison, Wisconsin 53706.

MRC Fellowships pay the Fellow's tuition and University fees in addition to stipends. They are awarded for a full calendar year with one month's vacation, and carry the basic tax-exempt stipends of $2400 for First Year, $2600 for Intermediate, and $2800 for Terminal Fellows. Special "Director's Fellowships" with basic stipends of $500 more may be awarded to particularly outstanding applicants. All stipends are increased by $500 for each dependent.

An MRC Fellow may not receive concurrent fellowship aid from another source. He will ordinarily not engage in remunerative employment, but may with the permission of the Director do paid research for the Mathematics Research Center up to $1,000 in a year or do teaching for the University of Wisconsin up to one course per semester. If additional information is desired prior to application, a prospective applicant may write to Professor J. Barkley Rosser, Director, Mathematics Research Center, U.S. Army, University of Wisconsin, Madison, Wisconsin 53706.

Requests for fellowship applications and information about study programs should be made to the specific department of interest to the applicant, and not to the Mathematics Research Center. The application should be sent directly to the chairman of the instructional department in which the applicant hopes to receive his degree, with a copy directly to Professor Rosser. The application itself should be accompanied by: (1) a transcript of completed work and latest grades; (2) three references; and (3) a specific request to be considered for an MRC Fellowship. Anyone applying for a renewal should also ask the professor in charge of his graduate studies to write directly to Professor Rosser about his progress.

The Departments of Mathematics, Statistics, and Computer Sciences and the School of Business & College of Engineering at the University of Wisconsin offer opportunities for graduate study and research in a wide variety of areas in, or related to, applied mathematics. A partial listing of the University of Wisconsin faculty members with whom an MRC Fellow might wish to work appears on the adjoining page, along with their departmental affiliations (many hold joint appointments in two departments) and certain of their respective fields of interest.
School of Business

Erwin A. Gaumnitz, Dean

Faculty includes: T.N.E. Greville (MRC), H.F. Karreman (MRC)

Areas of study: Approximation theory, actuarial mathematics, operations research, probability theory.

Computer Sciences Department

J. Ben Rosen (MRC), Chairman


Areas of study: Mathematical programming, optimization, computer design and programming, numerical solution of differential equations, automata theory, sequential machines, switching theory, self-reproducing machines, statistical data processing, logic, numerical analysis, models of cognitive processes, pattern recognition, machine learning, language manipulation, Monte Carlo methods, network theory, integer programming, combinatorial problems, computational linguistics, systems programming, theorem proving, non-numerical computing, artificial intelligence, medical computing, information storage and retrieval.

College of Engineering

Kurt Wendt, Dean

Faculty includes: B. Bird, S.S. Cheng, R. Gaggioli, M.W. Johnson (Math), A.S. Lodge, V.C. Rideout

Areas of study: Rheology, plastic flow, stress analysis, thermodynamics, elasticity, continuum mechanics, hybrid and analog computation.

Department of Mathematics

Hans Schneider, Chairman


Department of Statistics

George E.P. Box, Chairman


Areas of study: Inference, experimental design, estimation theory, decision theory, nonlinear statistical estimation, engineering statistics, non-parametric statistics, combinatorial analysis, Bayesian inference, time series analysis, life testing, reliability, Markov processes, sequential procedures.
wyoming

university of wyoming
laramee, wyoming 82070
w. norman smith, chairman
department of mathematics
applications must be filed by march 1, 1968


number of degrees awarded in 1967

<table>
<thead>
<tr>
<th>type of financial assistance</th>
<th>amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>tuition, if not included in stipend</th>
<th>service required</th>
</tr>
</thead>
<tbody>
<tr>
<td>teaching fellowship (3)</td>
<td>1600-2500</td>
<td>9</td>
<td>$426</td>
<td>3 teaching</td>
</tr>
<tr>
<td>teaching assistantship (35)</td>
<td>500-1000</td>
<td>9</td>
<td>$426</td>
<td>3 proctor</td>
</tr>
</tbody>
</table>

canada

carleton university

ottawa, ontario, canada
r. l. rosenberg, chairman
department of mathematics
applications must be filed by march 1, 1968

number of degrees awarded in 1967

<table>
<thead>
<tr>
<th>type of financial assistance</th>
<th>amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>tuition, if not included in stipend</th>
<th>service required</th>
</tr>
</thead>
<tbody>
<tr>
<td>fellowship (3)</td>
<td>3500-4500</td>
<td>12</td>
<td>$548</td>
<td>6 paper grading</td>
</tr>
<tr>
<td>teaching assistantship (25)</td>
<td>2000-4000</td>
<td>12</td>
<td>$548</td>
<td>3 teaching</td>
</tr>
</tbody>
</table>

dalhousie university

halifax, novia scotia, canada
arnold j. tingley, chairman
department of mathematics


number of degrees awarded in 1967

<table>
<thead>
<tr>
<th>type of financial assistance</th>
<th>amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>tuition, if not included in stipend</th>
<th>service required</th>
</tr>
</thead>
<tbody>
<tr>
<td>fellowship (3)</td>
<td>4000</td>
<td>12</td>
<td>$426</td>
<td>3 teaching</td>
</tr>
</tbody>
</table>

lakehead university

port arthur, ontario, canada
c. k. meadley, chairman
department of mathematics
applications must be filed by march 31, 1968

number of degrees awarded in 1967

<table>
<thead>
<tr>
<th>type of financial assistance</th>
<th>amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>tuition, if not included in stipend</th>
<th>service required</th>
</tr>
</thead>
<tbody>
<tr>
<td>research assistantship (2)</td>
<td>4000</td>
<td>12</td>
<td>$426</td>
<td>3 teaching</td>
</tr>
</tbody>
</table>
McGill University

MONTREAL, QUEBEC, CANADA
Edward Rosenthal, Chairman
Department of Mathematics
Applications must be filed by March 1, 1968

PH.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 7; Geometry and Topology, 4; Analysis and Functional Analysis, 3; Probability and Statistics, 2; Computer Science and Numerical Analysis, 1. TOTAL: 17

NUMBER OF DEGREES AWARDED IN 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (5)</td>
<td>2000–3500</td>
<td>9 mo.</td>
<td>$640</td>
</tr>
<tr>
<td>Teaching Assistantship (25)</td>
<td>2250–4500</td>
<td>7 mo.</td>
<td>$640</td>
</tr>
<tr>
<td>Research Assistantship (25)</td>
<td>3000</td>
<td>12 mo.</td>
<td>$640</td>
</tr>
<tr>
<td>Demonstrators (60)</td>
<td>400–800</td>
<td>7 mo.</td>
<td>$640</td>
</tr>
<tr>
<td>Post Doctoral Fellowships and Post Doctoral Teaching</td>
<td>6000 tax free</td>
<td>12 mo.</td>
<td></td>
</tr>
<tr>
<td>Fellowship (5)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

McMaster University

HAMILTON, ONTARIO, CANADA
T. Husain, Chairman
Applications must be filed by September 1968

PH.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 2; Analysis and Functional Analysis, 2; Category Theory, 1. TOTAL: 5

NUMBER OF DEGREES AWARDED IN 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scholarship &amp; Assistantship (10–15)</td>
<td>2800–3500</td>
<td>12 mo.</td>
<td>$398</td>
</tr>
</tbody>
</table>

Memorial University

ST. JOHN’S, NEWFOUNDLAND, CANADA
W. J. Blundon, Head
Department of Mathematics
Applications must be filed by July 1968

NUMBER OF DEGREES AWARDED IN 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (5)</td>
<td>2500–3100</td>
<td>12 mo.</td>
<td>$405</td>
</tr>
</tbody>
</table>

Queen’s University

KINGSTON, ONTARIO, CANADA
A. J. Coleman, Head
Department of Mathematics and Statistics
Applications must be filed by February 15, 1968

PH.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 2; Analysis and Functional Analysis, 4. TOTAL: 6

NUMBER OF DEGREES AWARDED IN 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Fellowship (8)</td>
<td>1000–3000</td>
<td>9 mo.</td>
<td>$450</td>
</tr>
<tr>
<td>Teaching Assistantship (20)</td>
<td>600–1500</td>
<td>8 mo.</td>
<td>$450</td>
</tr>
<tr>
<td>Research Assistantship (5)</td>
<td>1000–3000</td>
<td>9 mo.</td>
<td>$450</td>
</tr>
<tr>
<td>Scholarship (10)</td>
<td>2000–3000</td>
<td>12 mo.</td>
<td>$450</td>
</tr>
</tbody>
</table>

1067
Simon Fraser University
BURNABY 2, B.C., CANADA
Ronald Harrop, Head
Department of Mathematics
Applications must be filed by March 1, 1968

PH.D. Degrees awarded during last three years by field of specialization: Logic, 1.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1966–1969)</th>
<th>Stipend</th>
<th>9 or 12 mo. Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (20)</td>
<td>2100–2520*</td>
<td>8* $150/sem.**</td>
<td>12 Tutorials and Grading</td>
</tr>
</tbody>
</table>

*Many extendable up to 12 months appointment by research assistantship ($1000).
**Fees reduce to $20 per semester during the second year of studies.
***University opened in 1965.

University of Alberta
EDMONTON, ALBERTA, CANADA
J. R. McGregor, Chairman
Department of Mathematics

PH.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 6; Geometry and Topology, 1; Analysis and Functional Analysis, 3; Probability and Statistics, 2; Computer Science and Numerical Analysis, 1. TOTAL: 13

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1966–1969)</th>
<th>Stipend</th>
<th>9 or 12 mo. Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Post-Doctoral Fellow (10)</td>
<td>U. of A. 6000 (tax free)</td>
<td>12</td>
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<tr>
<td>Other 6000–7200 (tax free)</td>
<td>12</td>
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<td></td>
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<tr>
<td>Teaching Supplement</td>
<td>2000 (taxable)</td>
<td>3–4</td>
<td>Teaching</td>
</tr>
<tr>
<td>Graduate Teaching Assistantship * (30)</td>
<td>2400–3600**</td>
<td>8</td>
<td>Nil</td>
</tr>
<tr>
<td>Graduate Research Assistantship (10)</td>
<td>2400–3000</td>
<td>12</td>
<td>$400</td>
</tr>
</tbody>
</table>

*For students in a qualifying year the maximum is $1800.
**Students are usually eligible for summer assistantships of $1000.

THE UNIVERSITY OF ALBERTA
Graduate Study in Mathematics to the M.Sc. or Ph.D. degree


TEACHING ASSISTANTSHIPS: $1800 to $3600 for 8 months. Fees are waived. In addition students may receive an additional $1000 while continuing their work on campus during the summer months.

RESEARCH ASSISTANTSHIPS: Support of $3000 for 12 months. In addition students may receive $800 to $1000 as part time teaching assistants.

APPLY: Prof. J. R. McGregor, Head
Department of Mathematics
The University of Alberta
Edmonton, Alberta, Canada

1068
University of British Columbia

VANCOUVER 8, B. C., CANADA

R. D. James, Head
Department of Mathematics
Applications must be filed by March 1, 1968

Diversity of British Columbia

VANCOUVER 8, B. C., CANADA

R. D. James, Head
Department of Mathematics
Applications must be filed by March 1, 1968

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 3; Geometry and Topology, 2; Analysis and Functional Analysis, 7; Computer Science and Numerical Analysis, 1; Applied Mathematics, 2. TOTAL: 15

<table>
<thead>
<tr>
<th>Type of financial assistance</th>
<th>Number of Degrees Awarded</th>
<th>Tuition, if not included in stipend</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baccalaureate Degrees by Institution</td>
<td>est. 2850</td>
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</tr>
<tr>
<td>Baccalaureate Degrees by Department</td>
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<tr>
<td>Master's Degrees by Department</td>
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</tr>
</tbody>
</table>

Stipend

Type of financial assistance (with number anticipated in 1968-1969) | Amount (dollars) | Tuition, if not included in stipend | Service Required |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (50)</td>
<td>2400-3000 8**</td>
<td>$341</td>
<td>12</td>
</tr>
<tr>
<td>Scholarship (30)</td>
<td>2000-3200 12</td>
<td>$341</td>
<td>6</td>
</tr>
<tr>
<td>Other* (30)</td>
<td>1500 8</td>
<td>$341</td>
<td>6</td>
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</tbody>
</table>

*Teaching Assistantship (May be held concurrently with some scholarships).

**During the 4 summer months, additional grants of $1000 are available as research assistantships.

University of Calgary

CALGARY, ALBERTA, CANADA

Richard K. Guy, Chairman
Department of Mathematics
Applications must be filed by January 1968

Stipend

Type of financial assistance (with number anticipated in 1968-1969) | Amount (dollars) | Tuition, if not included in stipend | Service Required |
<table>
<thead>
<tr>
<th></th>
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<tr>
<td>Teaching Assistantship (36)</td>
<td>1500-3000 8</td>
<td>Incl.</td>
<td>12</td>
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University of Manitoba

WINNIPEG 19, MANITOBA, CANADA

N. S. Mendelsohn, Chairman
Department of Mathematics
Applications must be filed by April 1, 1968

Stipend

Type of financial assistance (with number anticipated in 1968-1969) | Amount (dollars) | Tuition, if not included in stipend | Service Required |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (3)</td>
<td>3000-4000 12</td>
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<td>0-6</td>
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<tr>
<td>Teaching Assistantship (15)</td>
<td>2300-3600 12</td>
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<td></td>
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</table>

Université de Montréal

MONTRÉAL, QUEBEC, CANADA

Maurice L'Abbé, Chairman
Department of Mathematics
Applications must be filed by March 1, 1968

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 5; Logic, 2; Analysis and Functional Analysis, 1; Probability and Statistics, 1. TOTAL: 9

Stipend

Type of financial assistance (with number anticipated in 1968-1969) | Amount (dollars) | Tuition, if not included in stipend | Service Required |
<table>
<thead>
<tr>
<th></th>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (12)</td>
<td>2000-3500 12</td>
<td>$500</td>
<td>4</td>
</tr>
<tr>
<td>Teaching Fellowship (10)</td>
<td>3000-4000 12</td>
<td>$500</td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (25)</td>
<td>1000-3000 8</td>
<td>$500</td>
<td>6</td>
</tr>
</tbody>
</table>
**University of New Brunswick**

FREDERICTON, NEW BRUNSWICK, CANADA  
L. P. Edwards, Head  
Department of Mathematics  

**NUMBER OF DEGREES AWARDED IN 1967**

Baccalaureate Degrees by Institution: 652  
Baccalaureate Degrees by Department: 14

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 1.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount 9 or</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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</thead>
<tbody>
<tr>
<td>Fellowship (4)</td>
<td>2000–2500</td>
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<tr>
<td>Teaching Assistantship (4)</td>
<td>2500</td>
<td>8</td>
<td>5</td>
</tr>
<tr>
<td>Research Assistantship (1)</td>
<td>3000–5000</td>
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</tr>
<tr>
<td>Scholarship (2)</td>
<td>2500–3000</td>
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<td></td>
</tr>
<tr>
<td>Tutorial Assistants (20)</td>
<td>1000</td>
<td>8</td>
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<tr>
<td>Student Markers (25)</td>
<td>200–250</td>
<td>8</td>
<td>3</td>
</tr>
</tbody>
</table>

**University of Ottawa**

OTTAWA 2, ONTARIO, CANADA  
V. Linis, Chairman  
Department of Mathematics  

Applications must be filed by April 1, 1968

PH. D. Degrees awarded during last three years by field of specialization: Applied Mathematics, 1.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount 9 or</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tbody>
<tr>
<td>Fellowship (6)</td>
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<td>Teaching Fellowship (6)</td>
<td>2100–2900</td>
<td>8</td>
<td>4–6</td>
</tr>
<tr>
<td>Research Assistantship (3)</td>
<td>3600</td>
<td>12</td>
<td>4–6</td>
</tr>
<tr>
<td>Scholarship (2)</td>
<td>3600</td>
<td>12</td>
<td>2–4</td>
</tr>
<tr>
<td>Demonstrators (10)</td>
<td>800–1800</td>
<td>8</td>
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</table>

**University of Saskatchewan**

SASKATOON, SASKATCHEWAN, CANADA  
Carman E. Miller, Head  
Department of Mathematics  

Applications must be filed by April 1, 1968

PH. D. Degrees awarded during last three years by field of specialization: Geometry and Topology, 1; Analysis and Functional Analysis, 3; Probability and Statistics, 1. TOTAL: 5

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount 9 or</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (9)</td>
<td>2200–3200</td>
<td>12</td>
<td>3</td>
</tr>
</tbody>
</table>

**University of Saskatchewan**

REGINA, SASKATCHEWAN, CANADA  
C. L. Kaller, Chairman  
Department of Mathematics  

Applications must be filed by March 15, 1968

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1968–1969)</th>
<th>Amount 9 or</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (6)</td>
<td>2950–3600</td>
<td>12</td>
<td>10</td>
</tr>
<tr>
<td>NRC* (8)</td>
<td>3600</td>
<td>12</td>
<td></td>
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</tbody>
</table>

*NRC support in Canada here means student supported via grants to research professors in mathematics.
### University of Toronto

**TORONTO 5, ONTARIO, CANADA**

D. B. DeLury, Chairman  
Department of Mathematics

#### NUMBER OF DEGREES AWARDED IN 1967

<table>
<thead>
<tr>
<th>Type of Degree</th>
<th>Institution</th>
<th>Number of Degrees</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baccalaureate</td>
<td>by Institution:</td>
<td>1950</td>
</tr>
<tr>
<td>Baccalaureate</td>
<td>by Department:</td>
<td>57</td>
</tr>
<tr>
<td>Master's Degrees</td>
<td>by Department:</td>
<td>28</td>
</tr>
</tbody>
</table>

**PH. D. Degrees awarded during last three years by field of specialization:**
- Algebra and Number Theory, 3
- Geometry and Topology, 3
- Logic, 1
- Analysis and Functional Analysis, 6
- Probability and Statistics, 8
- Computer Science and Numerical Analysis, 1
- Applied Mathematics, 5. TOTAL: 27

<table>
<thead>
<tr>
<th>Type of financial assistance</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (45)</td>
<td>3000–5000</td>
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<td>$478</td>
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<tr>
<td>Teaching Fellowship (25)</td>
<td>1400–3000</td>
<td>9</td>
<td></td>
<td>3 Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (15)</td>
<td>1000–2500</td>
<td>9</td>
<td></td>
<td>3 Teaching</td>
</tr>
<tr>
<td>Research Assistantship (15)</td>
<td>2000</td>
<td>9</td>
<td></td>
<td>Research</td>
</tr>
<tr>
<td>Scholarship (5)</td>
<td>1000–4000</td>
<td>9</td>
<td></td>
<td></td>
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</tbody>
</table>

### University of Toronto

**TORONTO, ONTARIO, CANADA**

T. E. Hull, Head  
Department of Computer Science

First PH. D. degrees expected to be given in 1967–1968.

<table>
<thead>
<tr>
<th>Type of financial assistance</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Stipend</th>
<th>Service Required</th>
</tr>
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<tbody>
<tr>
<td>Fellowship (10)</td>
<td>3600–4000</td>
<td>12</td>
<td>$400</td>
<td>4 Teaching</td>
</tr>
<tr>
<td>Scholarship (20)</td>
<td>3400–3800</td>
<td>12</td>
<td>$400</td>
<td>4 Teaching</td>
</tr>
</tbody>
</table>

### University of Waterloo

**WATERLOO, ONTARIO, CANADA**

C. F. A. Beaumont, Associate Dean  
Faculty of Mathematics  
Applications must be filed by March 1, 1968

**NUMBER OF DEGREES AWARDED IN 1967**

<table>
<thead>
<tr>
<th>Type of Degree</th>
<th>Institution</th>
<th>Number of Degrees</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baccalaureate</td>
<td>by Institution:</td>
<td>561</td>
</tr>
<tr>
<td>Baccalaureate</td>
<td>by Department:</td>
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<tr>
<td>Master's Degrees</td>
<td>by Department:</td>
<td>33</td>
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</tbody>
</table>

**PH. D. Degrees awarded during last three years by field of specialization:**
- Analysis and Functional Analysis, 1
- Probability and Statistics, 1
- Computer Science and Numerical Analysis, 1
- Combinatorics, 3. TOTAL: 6

<table>
<thead>
<tr>
<th>Type of financial assistance</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (40)</td>
<td>1500*</td>
<td>8</td>
<td>$395</td>
<td>6–8</td>
</tr>
<tr>
<td>Teaching Fellowship (60)</td>
<td>2600**</td>
<td>9</td>
<td>$395</td>
<td></td>
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<tr>
<td>Research Assistantship (15)</td>
<td>Variable</td>
<td></td>
<td>$395</td>
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</tbody>
</table>

*Partial fellowships available.  
**May be held with a partial teaching fellowship.

### University of Western Ontario

**LONDON, ONTARIO, CANADA**

D. Borwein, Chairman  
Department of Mathematics

**NUMBER OF DEGREES AWARDED IN 1967**

<table>
<thead>
<tr>
<th>Type of Degree</th>
<th>Institution</th>
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<tbody>
<tr>
<td>Baccalaureate</td>
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</tr>
<tr>
<td>Baccalaureate</td>
<td>by Department:</td>
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<tr>
<td>Master's Degrees</td>
<td>by Department:</td>
<td>14</td>
</tr>
</tbody>
</table>

**PH. D. Degrees awarded during last three years by field of specialization:**
- Probability and Statistics, 2
- Computer Science and Numerical Analysis, 1
- Applied Mathematics, 1. TOTAL: 4

<table>
<thead>
<tr>
<th>Type of financial assistance</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Stipend</th>
<th>Service Required</th>
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</thead>
<tbody>
<tr>
<td>Fellowship (6)</td>
<td>1600–2000</td>
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<td>$395</td>
<td>1–6 Research</td>
</tr>
<tr>
<td>Research Assistantship (6)</td>
<td>3000</td>
<td>12</td>
<td>$395</td>
<td></td>
</tr>
<tr>
<td>Scholarship (12)</td>
<td>1500–3600</td>
<td>8 to 12</td>
<td>$395</td>
<td></td>
</tr>
</tbody>
</table>
University of Western Ontario

LONDON, ONTARIO, CANADA
J. H. Blackwell, Head
Department of Applied Mathematics
Applications must be filed by March 1, 1968

PH.D. Degrees awarded during last three years by field of specialization: Applied Mathematics, 2.

NUMBER OF DEGREES AWARDED IN 1967
Baccalaureate Degrees by Institution: approx. 1200
Baccalaureate Degrees by Department: 1
Master's Degrees by Department: 7

University of Windsor

WINDSOR, ONTARIO, CANADA
D. T. Faught, Head
Department of Mathematics
Applications must be filed by April 1, 1968

NUMBER OF DEGREES AWARDED IN 1967
Baccalaureate Degrees by Institution: 850
Baccalaureate Degrees by Department: 40
Master's Degrees by Department: 3
TAX STATUS OF GRANTS

Under Section 117 of the Internal Revenue Service Code, assistantships, fellowships and grants meeting certain conditions are excludable from gross income and therefore not subject to the Federal Income Tax. The Internal Revenue Service has given the following interpretation of Section 117.

"Section 117(a) of the Internal Revenue Code of 1954 permits an individual to exclude from his gross income amounts received as a scholarship or fellowship grant. Whether the amounts received are in fact a scholarship or fellowship grant, i.e., are paid for the primary purpose of furthering the recipient's education and training, is a conclusion reached by the Internal Revenue Service on the basis of the facts in a particular case.

"Section 117(b) (1) of the Code provides that in the case of individuals who are candidates for a degree the exclusion from gross income shall not apply to that portion of any amount received as payment for teaching, research, or other services in the nature of part-time employment required as a condition to receiving the scholarship or fellowship grant. However, if teaching, research, or other equivalent services are required of all candidates for a particular degree as a condition to receiving the degree, such teaching, research or other services shall not be regarded as part-time employment.

"In situations where research is required of all degree candidates, but only those students who engage in teaching receive stipends, the Service would conclude that the stipend was not excludable under Section 117(a) of the Code, but was paid for services rendered in the nature of part-time employment.

"If research and teaching services are required of all degree candidates and such research and services are performed for the primary purpose of furthering the students' education and training, the Service would conclude that stipends paid for the research and teaching services, required of all degree candidates, are excludable from the recipients' gross income under Section 117(a) of the Code. However, amounts paid to a degree candidate for teaching services not strictly required as a condition to receiving the degree for which the recipient is a candidate, at the time he performs the service, represents compensation for services rendered which is includable in the recipient's gross income."

To help expedite the processing of returns, two forms are given below showing the types of information which should be provided by the graduate school for the Internal Revenue Service to help determine the validity of the claimed tax exclusion.

Application for total exclusion of stipend from gross income:

TO WHOM IT MAY CONCERN:

During the calendar year 19_____, _______ (Name of Student) served as a Research Assistant in the Department of ____________________________ at the ____________________________ University from _________ to ____________________________. He was paid a stipend of $_______ for his services. The funds were derived from ____________________________. The research which he performed under this arrangement met, in part, the requirements for this degree.

At the same time, he was a candidate for the degree of ____________________________. Equivalent research is required of all students working for this same degree at the ____________________________ University, regardless of whether or not they are compensated for their services.

TO WHOM IT MAY CONCERN:

During the calendar year 19_____, _______ (Name of Student) served as a Research Assistant in the Department of ____________________________ at the ____________________________ University from _________ to ____________________________. He was paid a stipend of $_______ for his services. The funds were derived from ____________________________. The research which he performed under this arrangement met, in part, the requirements for this degree.

At the same time, he was a candidate for the degree of ____________________________. Equivalent research is required of all students working for this same degree at the ____________________________ University, regardless of whether or not they are compensated for their services.
TO WHOM IT MAY CONCERN:

During the calendar year 19____ (Name of Student) served as a ________ in the Department of _____________ at the ________________ University from ___________ to _______________. He was paid a stipend of $____. The funds were derived from _________________. At the same time, he was a candidate for the degree of _______________. During this period the candidate spent approximately (a) _____ per cent of his working time ______ (assigned duties), which is not required for the degree, and (b) __________ per cent of his time on degree requirements. The research or study which he performed under (b) met in part the requirements for his degree. Equivalent research is required of all students working for this same degree at the _______________ University, regardless of whether or not they are compensated for their services.
SELECTED LIST OF STIPENDS

I. Graduate Fellowships and Loan Sources

American-Scandinavian Foundation. Graduate fellowships to be used in Scandinavia. Applicants must be U. S. citizens who have completed their college education and should be under 40 years old. Application deadline is January 1, 1968. Write to The American-Scandinavian Foundation, 127 East 73 Street, New York, New York 10021.

Ames Laboratory. Graduate assistantships in applied mathematics and computational science. Direct inquiries to Dr. F. H. Spedding, Director, Ames Laboratory of the U. S. Atomic Energy Commission, Iowa State University, Ames, Iowa 50010.


Boris A. Bakhmeteff Research Fellowship in Mechanics of Fluids. A Boris A. Bakhmeteff Research Fellowship will be available for the 1968-69 academic year in an amount up to $3600. It is intended to be a specific contribution for a definite research project of an original and creative nature in the general field of mechanics of fluids. The recipient shall be a graduate student who is a candidate for the master's or doctor's degree. He shall have no commitment that will interfere with his research work and study on a full-time basis. It is expected that the stipend will be applied principally toward fees, tuition and subsistence. The study and research may be undertaken at an institution of the Fellow's choice. In the judgment of the Committee, the adequacy of the facilities of the institution will have substantial weight in the selection of the Fellow. Application forms should be filed by February 15, 1968 with Dean William Allan, School of Engineering and Architecture, The City College of The City University of New York, New York 10031.

Center for Naval Analyses. Summer internships for graduate students in physical sciences, mathematics and economics for the summer of 1968. Candidates must have a bachelor's degree; a few exceptional candidates who are completing their senior year will be considered. Work will be in operations research and systems analysis in problems of naval warfare, manpower, and logistics. U. S. citizenship is required. Write to Mr. James Hibarger, Center for Naval Analyses, 1401 Wilson Boulevard, Arlington, Virginia 22209.

Danforth Graduate Fellowships. Citizenship unrestricted. Open to men and women under 30 years of age with no previous graduate study who intend to teach at the college level. Tenable at any accredited U. S. university. Must be nominated by liaison officer of college or university. Contact the liaison officer on campus or, for general information, write to Dr. John H. Chandler, Director, Graduate Fellowship Program, The Danforth Foundation, 607 North Grand Boulevard, St. Louis, Missouri 63103.

Daniel and Florence Guggenheim Fellowships. For U. S. or Canadian residents interested in jet propulsion, space flight and flight structures. Graduate fellowships at specified institutions. Write to Daniel and Florence Guggenheim Foundation, 120 Broadway, New York, New York 10005.

General Electric Foundation. Provides programmed research and study grants to selected departments of selected graduate institutions on a rotational basis, to be used in a number of ways, including fellowships and teaching assistantships. Write to J. Moreau Brown, Crotonville, P. O. Box 791, Ossining, New York.

Hughes Aircraft Company Doctoral, Engineer and Masters Fellowship Programs. Academic training leading to these degrees and correlated experience developed through professional work assignments. Over one hundred new awards each year in various fields of engineering, mathematics and physics. Value of awards, including salary associated with work assignments, ranges from approximately $7,500 to $12,000 annually. Write to Dr. Arnold M. Small, Director, Scientific Education, Hughes Aircraft Company, P. O. Box 90426, Los Angeles, California 90009.
Inter-University Committee on Travel Grants. For long-term study and research in Bulgaria, Czechoslovakia, Hungary and the Soviet Union. See Section III.

Kappa Kappa Gamma Fraternity Fellowships. $500.00 each. Approximately 14 awards are available to women under 30 years of age who may or may not be fraternity members. A bachelor's degree is necessary from an institution where a chapter of Kappa Kappa Gamma is located, or graduate work must be taken on a campus where a chapter is located. U. S. or Canadian citizenship required. First year graduate students receive preference. Candidate must receive no more than $1,000 of additional financial aid. Not renewable. Application forms are available from Dr. Miriam Locke, Chairman of Fellowships, Kappa Kappa Gamma Fraternity, Box 1484, University, Alabama 35486. Applications must be completed by March 1.

Kent Fellowships. Purpose is to encourage and support persons who are preparing for teaching or administration in colleges and universities in the United States and Canada. Open to men and women to age 40; preference is given to persons under 30. A minimum of one year of previous graduate study is required at the time of application. Fields unrestricted. Approximately 50 awards are made. Information is available by writing to Director, Kent Program, The Danforth Foundation, 607 North Grand Boulevard, St. Louis, Missouri 63103. (Address after April 1: 222 South Central Avenue, St. Louis, Missouri 63105).

Mathematics Research Center. For support of mathematical research of interest to the U. S. Army. Predoctoral fellowships for U. S. citizens for graduate study in any of the Departments of Mathematics, Computer Science or Statistics, or School of Business or College of Engineering, at the University of Wisconsin. For information write to J. Barkley Rosser, Director, Mathematics Research Center, United States Army, University of Wisconsin, Madison, Wisconsin 53706.

National Defense Student Loan Program. Fields unrestricted. Student must be carrying at least one half the normal full time academic workload as determined by the institution where he is or will be enrolled. Funds are administered by participating institutions and applications should be made through the Director of Admissions or officer in charge of student financial aid. Other inquiries may be addressed to Division of Student Financial Aid, Office of Education, Department of Health, Education and Welfare, Washington, D. C. 20202.

National Science Foundation Graduate Fellowships. For study in a program leading to master's or doctoral degree. Awards limited to U. S. citizens or nationals. Tenable in U. S. or abroad. Application materials may be obtained by writing to the Fellowship Office, National Research Council, 2101 Constitution Avenue, N. W., Washington, D. C. 20418. Applications due early in December.

North Atlantic Treaty Organization Fellowships. The Science Committee awards each year a number of Graduate Apprenticeships in Operational Research. The purpose of this scheme is to enable young scientists to receive practical training in operational research at one of a number of NATO or national centres. The normal assignment is for two years, subject to satisfactory completion of the first year. Applicants need not have previous experience in operational research, but they should have a scientific background with a sound basic training in mathematics. Each apprentice receives from NATO an allotment of $4,000 per year plus travel expenses, together with the removal expenses for his personal belongings. An allowance of $200 is also paid for each dependent accompanying the apprentice. Application forms can be obtained from the Assistant Secretary General for Scientific Affairs, NATO, Brussels 39, Belgium.

Oak Ridge Graduate Fellowship Program. Opportunity for graduate students working toward doctoral degrees in scientific fields, including mathematics to use AEC installations at Oak Ridge, Savannah River Laboratory, and Puerto Rico Nuclear Center for thesis research. U. S. citizenship is required. About 25 fellowships are awarded annually. Inquiries may be addressed to University Participation Office, Oak Ridge Associated Universities, Post Office Box 117, Oak Ridge, Tennessee 37831.
Organization of American States Fellowships. Applicants must be citizens or permanent residents of member states of the OAS. Graduate study must be done in member state other than the country of the applicant. Fields are individually limited by member countries. Forms are available from the Technical Secretariat of the OAS Fellowship Program, Division of Fellowships, Department of Technical Cooperation, Pan American Union, Washington, D. C. 20006.


RCA Fellowships. Grants are for graduate study in electrical engineering, physics, electronics, dramatic arts and journalism. Candidates are selected by appropriate officials in designated universities. Although appointments are for one year, RCA Fellows are eligible for reappointment. For further information write the RCA Education Committee, Radio Corporation of America, Camden, New Jersey 08101.

Shell Merit Fellowships of Shell Companies Foundation, Inc. and Shell Canada, Ltd. For U. S. or Canadian citizens who are high school teachers of science and mathematics. Tenable at Cornell University during a 6-week summer period. Write to Dr. Philip G. Johnson, Coordinator, Shell Merit Programs, 320 Wait Avenue, Cornell University, Ithaca, New York 14840.

Shell Merit Fifth Year Scholarships at Cornell University. For graduates of a college or university as National Merit or National Achievement Scholars or finalists who wish to enter or advance their preparation for pre-college science or mathematics teaching. For information write to Dr. Philip G. Johnson, Coordinator, Shell Merit Programs, 320 Wait Avenue, Cornell University, Ithaca, New York 14850.

Sigma Delta Epsilon Grant-in-Aid. This award, to be given annually by Sigma Delta Epsilon, Graduate Women's Scientific Fraternity, is available to any woman who holds a degree from a recognized institution of higher learning and has demonstrated outstanding ability and promise in research in one of the mathematical, physical, or biological sciences. The period of the grant shall not exceed one calendar year. The stipend may be applied either directly to the research project or to course work, provided the latter is relevant to the research program. Appointments will be made irrespective of race, nationality, creed, or marital status. Preference will be shown to applicants 35 years of age or older but this limitation is not absolute. New application forms may be obtained from Dr. Helen P. Hall, 1600 Northwestern Avenue, West Lafayette, Indiana 47906. Applications should be submitted before February 1, 1968.

Smithsonian Institution Internships. For candidates of Ph.D. or equivalent degree whose departments or universities approve their working at the Smithsonian. Projects are arranged by the student and the supervising Smithsonian staff member. Deadline for applications is January 10, 1968. Further information and application forms may be obtained from the Office of Education and Training, Smithsonian Institution, Washington, D. C. 20560.

Smithsonian Institution Research Assistantships. A research program for graduate students and junior and senior undergraduates who will work under the guidance of a Smithsonian staff member. Grants are made for a 10-week period, during the summer. Deadline for receipt of applications is February 1, 1968. Further information and application forms may be obtained from the Office of Education and Training, Smithsonian Institution, Washington, D. C. 20560.

Statistics at the Johns Hopkins University. (1) Financial support for students taking the Ph.D. in mathematical statistics is available in the form of NSF and USPHS traineeships, NDEA fellowships, and research assistantships. Inquiries should be addressed to Chairman, Department of Statistics, The Johns Hopkins University, Baltimore, Maryland 21218. (2) USPHS traineeships are available to students seeking the Sc.M., Sc.D., or Ph.D. in biostatistics. Applicants for the biostatistics programs should have one year of biological or social science in addition to preparation in mathematics. Address inquiries to Chairman, Department of Biostatistics, School of Hygiene and Public Health, 615 North Wolfe Street, Baltimore, Maryland 21205.

United States Department of Health, Education and Welfare, National Defense Graduate Fellowship Program. Limited to specified universities. Applicant must have completed a bachelor's degree, intend to enroll in a full-time doctorate program, and signify an interest in a college teaching career. Fellowships are usually 3-year awards. Application is made directly to the university at which the

United States Department of Health, Education and Welfare; Public Health Service. Supports predoctoral, postdoctoral and special fellows. Interest in biostatistics, especially as related to health and disease. Applicant must have earned an appropriate degree and show that his goal is a research career in the health related sciences. U.S. citizenship or lawful admittance to the U. S. for permanent residence is required. Approximately 4500 awards are made in health related disciplines. Forms are available from: Fellowships Section, Career Development Review Branch, Division of Research Grants, National Institutes of Health, Bethesda, Maryland 20014.

United States Steel Foundation Fellowships. A bachelor's degree and U. S. citizenship are required. Applicant must usually be a candidate for a doctor's degree, but master's degree candidates may also be eligible. Approximately 78 awards are made, 44% of which are in the physical and natural sciences and engineering. Applications are available from participating institutions. General information may be obtained from Dr. W. Homer Turner, Vice President and Executive Director, United States Steel Foundation, Inc., 71 Broadway, New York, New York 10006.

Václav Hlavatý Research Assistant Professorships in Mathematics. Offered by the Department of Mathematics at Indiana University to young mathematicians with doctorates who show definite promise in research. The appointment is for three years with an academic year salary of at least $10,500. The teaching duties during the first academic year will involve three hours per week and during the next two academic years will involve six hours per week. Salaries often can be supplemented by either research contracts or teaching during the summer months. There will also be an annual amount of $400 available for professional expenses, such as travel to meetings, supplies, publication costs, etc. Inquiries or request for application forms should be addressed to Professor George Springer, Chairman, Department of Mathematics, Swain Hall East, Indiana University, Bloomington, Indiana 47401. Preference will be given to applications received before February 15, 1968.

Woodrow Wilson National Fellowship Foundation. For U. S. and Canadian first year graduate students interested in college teaching careers. Nominations from faculty members are due by October 31; no application will be accepted directly from students. For information write to Dr. Hans Rosenhaupt, National Director, Woodrow Wilson National Fellowship Foundation, Box 642, Princeton, New Jersey.


II. Postdoctoral Awards

AFOSR Postdoctoral Research Program. Supported by the Air Force Office of Scientific Research and administered by the National Research Council. These fellowships open only to citizens of the United States, are tenable at appropriate educational institutions and research laboratories in the United States and abroad, and provide to young investigators of superior ability, who are recent recipients of the doctoral degree, special opportunities for advanced study and fundamental research in various branches of the natural and applied sciences of particular importance to the Air Force. Application materials for the 1968-1969 program are available from the Fellowship Office, National Research Council, 2101 Constitution Avenue, N. W., Washington, D. C. 20418.

Agency for International Development. Research grants for research projects and analytical studies in systems and operations analysis dealing with socio-economic development problems. Research groups are encouraged to investigate problems of their own devising within the above areas. For further information, write to Dr. Karl Bode, Planning Assistance and Research Division, Office of Program and Policy Coordination, Agency for International Development, Department of State, Washington, D. C.

Air Force Office of Scientific Research. Research Contracts and Grants. Research mathematicians are encouraged to submit proposals through their college, university, or industrial laboratory for research in mathematical fields in which they specialize. Proposals should be mailed to the Director of Mathematical Sciences, Air Force Office of Scientific Research, 1400 Wilson Boulevard, Arlington, Virginia 22209.
Alexander von Humboldt-Fellowships. These fellowships of 6 to 12 months are offered in order to pursue advanced academic research projects at a German university or research institute. Fields of research and citizenship are unrestricted. Amount of stipend: 'Forschungstipendium' DM 1,000. -- monthly, 'Dozentenstipendium' DM 1,400. -- monthly; supplementary family allowances, travel expenses. An extension of the original award period is possible. Applicants should furnish proof of independent teaching experience at university level or research work (of at least two years if interested in a 'Forschungstipendium' and at least five years if interested in a 'Dozentenstipendium'). They should hold a doctorate, have sufficient knowledge of German and, as a rule, not be older than 38. Applicants for a 'Dozentenstipendium' should have outstanding academic publications to their credit. For further information write to Alexander von Humboldt-Stiftung, 532 Bad Godesberg, Schillerstrasse 12, Germany.

Alfred P. Sloan Foundation. Unrestricted grants made to selected young university scientists who are regular faculty members for support of basic research in the physical sciences, including mathematics. Candidates do not apply but are nominated by their department chairmen or other scientists. For information write to the Alfred P. Sloan Foundation, 630 Fifth Avenue, New York, New York 10020.

American Association of University Women Educational Foundation. Fifty research fellowships for American women, unrestricted as to age or field, except that awards are not made in the creative or performing arts, to be used abroad or in the United States. Applicants must hold a doctorate or its equivalent in scholarly achievement or have fulfilled all requirements for the doctorate except the dissertation by July 1 preceding the fellowship year. Deadline for application is December 1. Write to Fellowships Office, AAUW Educational Foundation, 2401 Virginia Avenue, N. W., Washington, D. C., 20037.

American Philosophical Society. Postdoctoral research grants of small amounts according to need for candidates with Ph.D. or equivalent to aid specific research projects. Tenable abroad and in U. S. Awards made in October, December, February, April and June. Inquire at the American Philosophical Society, 104 South Fifth Street, Philadelphia, Pennsylvania 19106.

Argonne National Laboratory. Postdoctoral research appointments in many fields of applied mathematics and the computer sciences; also appointments for visiting faculty members. Write to Mr. William J. Butler, Professional Placement, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, Illinois 60439.


Benjamin Peirce Instructorship. The teaching commitment is six hours a week including one three-hour graduate level course. The salary is $7800 for the academic year with $400 annual increments. It is possible to earn summer income through teaching or research contracts. Appointments are annual but carry the presumption of two renewals. Additional information and application forms can be obtained by writing the Department of Mathematics, Harvard University, 2 Divinity Avenue, Cambridge, Massachusetts 02138.

Brookhaven National Laboratory Research Associate Appointments. Offered by the Applied Mathematics Department of Brookhaven National Laboratory under contract with the U. S. Atomic Energy Commission. For young Ph.D.'s. Address inquiries Dr. Y. Shimamoto, Applied Mathematics Department, Brookhaven National Laboratory, Upton, Long Island, New York 11793.

C. L. E. Moore Instructorships in Mathematics. Offered by the Department of Mathematics at the Massachusetts Institute of Technology, open to young mathematicians with doctorates who show definite promise in research. The base salary will be at least $9300 and the teaching load is six hours per week in one semester and three hours per week in the other. The salary can be supplemented by summer work on a research grant, sponsored by the Air Force Office of Scientific Research, or by teaching in the summer session. The appointments are annual but renewable for one
Courant Institute Instructorships in Mathematics are open to young mathematicians with doctor's degrees who show strong promise in research. The teaching duty will consist of one graduate course related to the field of interest of the instructor. Appointments are for two years. The annual salary including a stipend for research in residence, during two summer months will be $11,000. Inquiries or requests for application forms should be addressed to the Committee on Instructorships, Courant Institute of Mathematical Sciences, 251 Mercer Street, New York, New York 10012. Applications should be filed no later than February 1, 1968.

Courant Institute Postdoctoral Visiting Memberships. The Courant Institute of Mathematical Sciences of New York University offers postdoctoral Visiting Memberships to mathematicians, scientists and engineers who are interested in its program of training and research in a broad range of pure and applied mathematics. Applications for the academic year 1968-1969 must be submitted before February 1, 1968. Inquiries should be addressed to the Visiting Membership Committee of the Courant Institute, 251 Mercer Street, New York, New York 10012.


J. Willard Gibbs Instructorships in Mathematics. Offered by Yale University to promising young mathematicians with the doctorate, primarily new Ph.D.'s. Appointments are for two years at a salary of at least $9,000 for the regular academic year. Summer support for two summer months can also be provided through a grant from the Air Force Office of Scientific Research. Teaching duties will involve six hours per week in one semester and three hours per week in the other, or the equivalent. These will include one semester course at the graduate level in the general area of the instructor's research. Inquiries and applications should be addressed to Professor Nathan Jacobson, Chairman, Department of Mathematics, Yale University, Box 2155, Yale Station, New Haven, Connecticut 06520. Preference will be given to applications received before January 15, 1968.

Institute for Advanced Study Memberships. The School of Mathematics will grant a limited number of memberships, some with financial support, for research in mathematics at the Institute during the academic year 1968-1969. Candidates must have given evidence of ability in research comparable at least with that expected for the Ph.D. degree. Applications, which should be returned by January 15, 1968, are available from the Secretary, School of Mathematics, Institute for Advanced Study, Princeton, New Jersey 08540.

Inter-University Committee on Travel Grants. For study and research in Bulgaria, Czechoslovakia, Hungary, and the Soviet Union. See Section III.

John Simon Guggenheim Memorial Foundation Fellowships. Applicants should be between 30 and 45 years of age (exceptions are made) and engaged in scientific research. No academic degree is required, but the fellowships are on the postdoctoral level. U.S. citizenship or permanent residence is required. Fellowships are also offered to citizens or permanent residents of all countries and territories of the Western Hemisphere and of the Philippines, to assist studies to be carried on in the United States. Nominations are made by the Committee of Selection. Approximately 350 awards are made. For more information write to President, John Simon Guggenheim Memorial Foundation, 90 Park Avenue, New York, New York 10016.

John Wesley Young Research Instructorships. Two instructorships are awarded by Dartmouth College each year. Teaching duties average six hours per week and are of a varied and non-routine nature. The academic year stipend may be supplemented by a summer research fellowship. The appointments are for two years and are not renewable. Applicants should write to Donald L. Kreider, Chairman, Mathematical Department, Dartmouth College, Hanover, New Hampshire 03755.

Lawrence Radiation Laboratory, Livermore. Postdoctoral research appointments in mathematics, computer systems development, numerical analysis, hydrodynamics and the geo-sciences. Write to Dr. S. Fernbach, Computation and Theoretical Physics Divisions, Lawrence Radiation Laboratory, University of California, Livermore, California.

Los Alamos Scientific Laboratory. Postdoctoral research appointments in applied mathematics, computational methods and processes. Write to the Personnel Department, Los Alamos Scientific Laboratory, University of California, Los Alamos, New Mexico 87544.
Mathematics Research Center. For support of mathematical research of interest to the U. S. Army. Visiting research member appointments at all levels from postdoctoral up. For information write to J. Barkley Rosser, Director, Mathematics Research Center, United States Army, University of Wisconsin, Madison, Wisconsin 53706.

National Aeronautics and Space Administration. Postdoctoral and Senior Postdoctoral Resident Research Associateships. Open to individuals at the postdoctoral level who have the Ph.D., M.D., or Sc. D. degree or its training equivalent, or who have completed the requirements for one of these degrees. Citizenship is unrestricted, but a foreign national must have full command of the English language. Approximately 125 awards are made in numerous fields, including mathematics. Tenable at Ames Research Center, Moffett Field, California; Electronics Research Center, Cambridge, Massachusetts; Goddard Space Flight Center, Greenbelt, Maryland; Institute for Space Studies, New York City; Jet Propulsion Laboratory, Pasadena, California; Langley Research Center, Hampton, Virginia; Manned Spacecraft Center, Houston, Texas; and Marshall Space Flight Center, Huntsville, Alabama. Forms are available from the Office of Scientific Personnel, JH 606, National Research Council, 2101 Constitution Avenue, N. W., Washington, D. C. 20418.

National Aeronautics and Space Administration, Research Grants. Through grants and contracts to educational and non-profit institutions and industries, NASA sponsors research in fundamental and applied mathematics related to space science and engineering problems. Unsolicited proposals should be submitted to the Office of University Affairs, National Aeronautics and Space Administration, Washington, D. C. 20546.

National Research Council of Canada Postdoctoral Fellowships. The National Research Council has decided to discontinue the program of postdoctorate fellowships tenable in Canadian universities which has been in operation for a number of years; however, Canadian university scientists may include provision for support of postdoctorate fellows when submitting applications for National Research Council Operating Grants. Negotiations are between the University and the applicant. For further information write to Awards Office, National Research Council, Montreal Road, Ottawa 7, Canada.

National Research Council Postdoctoral Research Associateships. Offered to U. S. citizens holding Ph. D. in basic and applied physical and biological sciences. Tenable at the following laboratories: Naval Ship Research and Development Center (Washington, D. C.); Food and Drug Administration (Washington, D. C.); Fort Detrick (Frederick, Maryland); National Bureau of Standards (Gaithersburg, Maryland, Washington, D. C., and Boulder, Colorado); Naval Medical Research Institute* (Bethesda, Maryland); Naval Ordnance Laboratory (White Oak, Silver Spring, Maryland); Naval Weapons Center (China Lake, California); Naval Research Laboratory (Washington, D. C.); Naval Electronics Laboratory Center (San Diego, California); Naval Postgraduate School (Monterey, California); U. S. Geological Survey (Washington, D. C. and vicinity; Denver, Colorado; Menlo Park, California; Flagstaff, Arizona); sixteen pioneering laboratories of the Agricultural Research Service*. Ten research centers of the Air Force Systems Command; and thirteen laboratories in the U. S. and one in Peru of the Environmental Science Services Administration (ESSA). Write to the Office of Scientific Personnel, Room 603, National Research Council, 2101 Constitution Avenue, N. W., Washington, D. C. 20418 (*Also open to non-U. S. citizens.)

National Science Foundation Postdoctoral Fellowships. For U. S. citizens or nationals, recent recipients of the doctoral degree or who will have earned a doctoral degree as of the beginning of their fellowship, who wish to enter upon or continue postdoctoral study. Application materials may be obtained from the Fellowship Office, National Research Council, 2101 Constitution Avenue, N. W., Washington, D. C. 20418. Applications due in early December.

National Science Foundation, Research Grants. Proposals accepted at any time. Instructions for the preparation of proposals, contained in a booklet entitled "Grants for Scientific Research," may be obtained upon request from the Mathematical Sciences Section, National Science Foundation, Washington, D. C. 20550.

National Science Foundation Science Faculty Fellowships. Requirements are a bachelor's degree or its equivalent, three or more academic years' teaching experience at the collegiate level with the rank of instructor or higher and the intention to continue teaching. Applicants must also be U. S. citizens or nationals. Approximately 275 awards are available. Forms may be obtained by writing to the Division of Graduate Education in Science, National Science Foundation, Washington, D. C. 20550.

National Science Foundation Senior Foreign Scientist Fellowships. A doctoral degree or its
equivalent experience in research or teaching is required. Applicants must be recommended by a U. S.
educational institution participating in the program. They must be citizens of any nation which main-
tains diplomatic relations with the U. S. Approximately 50 awards are made. A list of participating
institutions may be obtained from Division of Graduate Education in Science, National Science Founda-
tion, Washington, D. C. 20550. Application should be made directly to the institution.

National Science Foundation Senior Postdoctoral Fellowships. Candidate must have held a doc-
toral degree in one of the basic fields of science, mathematics, or engineering for at least five years
and have achieved recognized stature as a scientist. Applicants must be U. S. citizens or nationals.
Approximately 65 awards are made. Application is made on a form which may be obtained from the
Division of Graduate Education in Science, National Science Foundation, Washington, D. C. 20550,
Applications due early in October.

Shell Foundation, Incorporated, Shell Merit Residencies, 12 month residencies at Cornell and
Stanford Universities; primarily for high school teachers of science and mathematics who have been
Shell Merit Fellows. For information write to Dr. Philip G. Johnson, Coordinator, Shell Merit Pro-
grams, 320 Wait Avenue, Cornell University, Ithaca, New York 14850, or to Dr. Paul DeHart Hurd,
Coordinator, Shell Merit Programs, School of Education, Stanford University, Stanford, California.

Smithsonian Institution Internships. For candidates of Ph.D. See Section I.

Smithsonian Institution Research Assistantships. For ten weeks during summer or academic
year. See Section I.

Smithsonian Institution Visiting Research Associatehips. Single year appointments in fields
of mathematical study related to activities of the Smithsonian Institution for holders of the doctorate
or an equivalent degree. Selections will be made by the National Research Council, but Smithsonian
approval of all research projects is required. The Smithsonian Astrophysical Observatory accepts
applications at any time, Deadline for all other applications is January 2, 1968. Further information
and application forms may be obtained from the Office of Scientific Personnel, National Research
Council, Room 321, 2101 Constitution Avenue, N. W., Washington, D. C. 20418.

Statistics at the Johns Hopkins University. See Section I.

United States Army Natick Laboratories, Natick, Massachusetts. Postdoctoral and Senior
Postdoctoral Visiting Scientist Research Associatehips are available in several fields, including
mathematics. Open to U. S. citizens and foreign nationals. Write to the Office of Scientific Person-

United States Army Research Office--Durham. Research grants and contracts for basic re-
search in mathematics, engineering and physical and environmental sciences. Write to Commanding
Officer, U. S. Army Research Office--Durham, Box CM, Duke Station, Durham, North Carolina 27706.

and special fellowships for those interested in biostatistics. See Section I.

III. Study Abroad

Air Force Office of Scientific Research, NAS-NRC Postdoctoral Research Fellowships. See
Section II.

Alexander von Humboldt Foundation Fellowships. Postdoctoral. See Section II.

Alliance Francaise Scholarships. For Americans between 20 and 30 years old with a working
knowledge of French to study in France at the graduate level. Fields unrestricted. Write to Chairman
of Scholarship Committee, Alliance Francaise de New York, Inc., 527 Madison Avenue, New York,
New York 10022 or Alliance Francaise, 101 Boulevard Raspail, Paris 6, France.

American Association of University Women Educational Foundation. Postdoctoral research
fellowships. See Section II.

American Philosophical Society Postdoctoral Research Grants. See Section II.

American-Scandinavian Foundation. Graduate fellowships to be used in Scandinavia. See
Section I.
Churchill Scholarships. Open to candidates from 19 to 25 who hold a bachelor's degree from selected universities. To be used for one year of study in science or engineering at Churchill College, Cambridge University. Apply to The Representative of the United States Churchill Foundation at candidate's university, or write to the United States Churchill Foundation, Prudential Tower Building, Boston, Massachusetts 02199.

Fulbright-Hays Grants. For graduate study or research in any field in which the project can be profitably undertaken abroad. Applicant must be U. S. citizen and have language proficiency sufficient to carry out the proposed study and to communicate with the people of the host country. Students already enrolled in a U. S. university must apply directly to the Fulbright Program Advisor on his campus. Unenrolled students may apply to the Institute of International Education. Further details may be obtained from the Counseling Division, Institute of International Education, 809 United Nations Plaza, New York, New York 10017.

Fulbright-Hays Postdoctoral Awards. United States Government grants available annually in all fields for university lecturing and postdoctoral research abroad. Eligibility requirements include U. S. citizenship; for lecturing, college teaching experience; for research, a doctoral degree or recognized professional standing at the time of application. In certain cases a knowledge of the language of the host country is required. Grants are generally tenable for one academic year in one designated country and include roundtrip transportation for the grantee, maintenance allowance to cover living expenses of grantee and family and a small incidental allowance to cover supplies and services essential to the project; subject to the availability of funds a supplemental dollar grant for lecturers in most non-European countries may be given. Write to Committee on International Exchange of Persons, Conference Board of Associated Research Councils, 2101 Constitution Avenue, N. W., Washington, D. C. 20418.

Institute of International Education. Grants for graduate study abroad; includes U. S. Government grants and fellowships offered by other governments, foundations, universities, organizations, and private donors. Applicant must be U. S. citizen, have a Bachelor's degree or its equivalent before the beginning date of the grant, generally under 35 years of age, and be able to read, write and speak the language of the host country by time of application. Students already enrolled at a U. S. university must apply through the Fulbright Program Advisor at his university. Unenrolled students may apply through the Institute of International Education. IIE regional offices are: 1600 Sherman Street, Denver, Colorado 80203; Suite 1A World Trade Center, 1520 Texas Avenue, Houston, Texas 77002; 291 Geary Street, San Francisco, California 94102; 1530 P Street, N. W., Washington, D. C. 20005; 809 United Nations Plaza, New York, New York 10017.

Inter-University Committee on Travel Grants for Research in Bulgaria, Czechoslovakia and Hungary. For advanced graduate students and senior scholars, no age limit. Periods of stay range from three to twelve months, including summer. Qualifications include U. S. citizenship and sufficient language proficiency to carry out the program of study and research. Deadlines are: fall semester or academic year, previous November 1; spring semester or summer, previous June 1. For further information contact E. Willis Brooks, Deputy Chairman, Inter-University Committee on Travel Grants, 021 Lindley Hall, Indiana University, Bloomington, Indiana 47401.

Inter-University Committee on Travel Grants for Research in Soviet Union. The Inter-University Committee on Travel Grants offers two exchange programs for research in the Soviet Union: (1) exchange of advanced graduate students and faculty members under 40 years of age for stay of one semester or an academic year. Deadline for applications: fall semester, previous November 1; spring semester, previous to August 1. (2) exchange of senior research scholars for 3-7 months, postdoctoral level only. Deadline for applications is November 1 of year prior to year of exchange. Qualifications include U. S. citizenship and sufficient language proficiency to carry out the proposed program of study and research. For information write to E. Willis Brooks, Deputy Chairman, Inter-University Committee on Travel Grants, 021 Lindley Hall, Indiana University, Bloomington, Indiana 47401.

Kosciuszko Foundation. Grants for graduate studies in Poland. For information write the Kosciuszko Foundation, 15 East 65th Street, New York, New York 10021.

Marshall Scholarships. Offered by the British Government to U. S. graduates; tenable at any university in the United Kingdom. Recipients of awards are required to take a degree at their British university. Fields unrestricted. Apply through British Consulates-General in the following regions: (1) North East: Room 2303, John Hancock Building, Boston, Massachusetts 02116; (2) Mid-East:
National Science Foundation Graduate Fellowships. For U.S. citizens in program leading to master's or doctoral degree. See Section I.


North Atlantic Treaty Organization Postdoctoral Fellowships. For study abroad in countries in the NATO Alliance. Open to U.S. citizens who have earned a doctoral degree or who have had research training and experience equivalent to that represented by the doctoral degree in one of numerous scientific fields, including mathematics. Tenure is normally either 9 or 12 months. U.S. citizens write to the Fellowship Office, National Research Council, 2101 Constitution Avenue, N.W., Washington, D.C. 20418.

Organization of American States Fellowships. See Section I.

Peace Corps Teaching Assignments. Approximately 400 secondary and 75 college teachers of mathematics have been requested for various Latin American, Asian and African countries. Teachers who can qualify and desire to secure one of these overseas posts at the end of the current school year should file an application at an early date. Write to the Math/Science and Engineering Desk, Office of Public Affairs, Peace Corps, Washington, D.C. 20525.

Rotary Foundation Graduate Fellowships and Undergraduate Scholarships. One academic year of study abroad is available to outstanding young men and women who are interested in world affairs and who can fulfill a dual role of scholar and "ambassador of good will". Graduate Fellowships and Undergraduate Scholarships cover full transportation, educational, living and miscellaneous related expenses for one academic year, plus, in certain cases, a period of intensive language training in the study country prior to the commencement of the regular academic year. Awards are made for study in any field and are tenable in more than 130 countries in which there are Rotary Clubs. An applicant for both types of awards must be unmarried. An applicant for a Graduate Fellowship must be between the ages of 20 and 28 inclusive as of July, 1969, and have obtained a bachelor's degree or equivalent prior to the beginning of his Fellowship year. An applicant for an Undergraduate Scholarship must be between the ages of 18 and 24 inclusive as of July, 1969, and have completed two years of university level work but not have obtained a bachelor's degree prior to the beginning of his Scholarship year. Application must be made through the Rotary club nearest to the applicant's permanent residence not later than March 15, 1968.

Royal Norwegian Council for Scientific and Industrial Research Postdoctorate Fellowships. Fields: engineering and applied sciences. Candidates should not be more than 35 years of age. Studies can be carried out at the Universities of Oslo and Bergen, the Technical University of Norway and at different institutes for applied research in Oslo, Bergen, and Trondheim. English may be used at all institutes. German and French at some institutes. Deadline each year is February 1. Write to Royal Norwegian Council for Scientific and Industrial Research, Gaustadelen 30, Oslo, Norway.

Shell International Studies Research Fellowships in Foreign Areas. Fellowships are intended to help strengthen the preparation of students for careers in the State Department of diplomatic service, the United Nations, or other international agencies, or for careers in teaching or research in international affairs at institutions within the United States. Six leading American universities participate in the program. Applicants must be graduate students within the participating universities who are working on doctoral papers dealing with some aspect of the social sciences in foreign countries. All fellows must be United States citizens or must reside permanently in the United States and intend to become citizens. For further information write Senior Vice President and Secretary, Shell Companies Foundation, Inc., 50 West 50th Street, New York, New York 10020.

William and Mildred Zelosky Scholarships. Open to American and Polish men at least 21 years of age. American candidates must have at least a master's degree and a knowledge of the Polish language. Polish candidates must have at least their master's degree and preferably their doctorate, plus sufficient knowledge of the English language. Polish citizenship is required for study in the United States; U.S. citizenship is required for study in Poland. Write to Kosciuszko Foundation, 15 East 65th Street, New York, New York 10021.
IV. Fellowships for Citizens of other Countries

Alexander von Humboldt Foundation Fellowships. Citizenship unrestricted. See Section II.

Alliance Française Scholarships. Available to French citizens between 20 and 30 years old and who have a working knowledge of English, for study in the U. S. A. at the graduate level. Fields unrestricted. Write to Chairman of Scholarship Committee, Alliance Française de New York, 527 Madison Avenue, New York, New York 10022 or Alliance Française, 101 Boulevard Raspail, Paris 6e, France.

American Association of University Women International Fellowships. Approximately 50 awards made to women of other countries for advanced study or research in the United States. No restriction as to age or field of study, except that awards are not made in the creative or performing arts. Applicants must hold a bachelor's degree, be proficient in English, and intend to return to her own country. Forms are to be obtained in the applicant's country from the Association of University Women or the Cultural Affairs Officer of the U. S. Embassy.

Danforth Graduate Fellowships. Citizenship unrestricted. See Section I.

Daniel and Florence Guggenheim Fellowships. Study in jet propulsion, space flight and flight structures. For Canadian citizens for graduate study at specified institutions. See Section I.

Fulbright-Hays Program. Grants under the Fulbright-Hays Act for study, research, teaching and lecturing in the United States are available to nationals of many countries. Information regarding these opportunities may be secured from the Cultural Affairs Officer of the United States Embassy or from the binational Educational Commission or Foundation attached to the Embassy in the inquirer's own country.

Institute of International Education. Open to nationals of most countries. Levels: undergraduate and graduate. Fields unrestricted. Develops and administers exchange programs for a number of organizations and corporations and administers U. S. Government grants under the Fulbright-Hays Act for students under the educational exchange program of the Department of State. Write to the Selection Committee in the candidate's own country; address may be obtained from the United States Embassy or Consulate, IIE overseas regional offices: Post Office Box 5869, Nairobi, Kenya; Apartado 300, Lima, Peru; Reid Hall, 4 Rue de Chevreuse, Paris 6, France; 129 Lee Gardens, Hysan Avenue, Causeway Bay, Hong Kong.

John Simon Guggenheim Memorial Foundation Fellowships. For citizens of American republics, the Philippines, Canada, and the British Caribbean for study in the U. S. See Section II.

Kappa Kappa Gamma Fraternity Fellowships. For Canadian citizens with a bachelor's degree from or graduate work at an institution where a chapter of Kappa Kappa Gamma is located, See Section I.

National Aeronautics and Space Administration. International University Fellowships in Space Sciences. Foreign Nationals only. Level: graduate and postdoctoral. Candidates must be sponsored by their national or regional space research organizations or national research councils; must have equivalent of an earned Master of Science or Master of Engineering degree and must intend to return to their own country, Fields: all space sciences. Fellowships tenable at 31 U. S. universities. Applications should be made to the National Space Research Organization, National Research Council or appropriate organization of the applicant's own country. Further information may be obtained from the Office of Scientific Personnel, National Research Council, 2101 Constitution Avenue, N. W., Washington, D. C. 20418.

National Aeronautics and Space Administration, Postdoctoral and Senior Postdoctoral Resident Research Associateships. Citizenship unrestricted. See Section II.

National Science Foundation Senior Foreign Scientist Fellowships. Postdoctoral fellowships for citizens of nations maintaining diplomatic relations with the U. S. See Section II.

North Atlantic Treaty Organization Fellowships. Open to nationals of all NATO member countries. See Section I.
Organization of American States Fellowships. Citizenship in member country of OAS is required. See Section I.

Population Council Fellowships in Demography. Fields associated with public health, demography, statistics. See Section I.

Rotary Foundation Fellowships for International Understanding. Citizenship restricted to countries in which there are Rotary Clubs. For graduate student sponsored by the Rotary Club. See Section III.

Shell Merit Fellowships of Shell Companies Foundation, Inc., and Shell Canada, Ltd. For Canadian citizens who are high school science and mathematics teachers. See Section I.

U. S. Army Natick Laboratories Postdoctoral and Senior Postdoctoral Visiting Scientist Research Associateships. See Section II.

William and Mildred Zelosky Scholarships. Open to Polish men. See Section III.

Woodrow Wilson National Fellowship Foundation. For Canadian first year graduate students. See Section I.

V. Other Sources of Fellowship Information


A Selected List of Major Fellowship Opportunities and Aids to Advanced Education for United States Citizens. Fellowship Office, National Research Council, 2101 Constitution Avenue, N. W., Washington, D. C., 20418, 1967. Contains a list of fellowships available on the undergraduate, graduate, and postdoctoral levels plus a bibliography giving other sources of information on fellowships, scholarships, and loans.

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Participants expected during the year include:

S. Agmon (Hebrew University)  
D. Benney (MIT)  
J. Cea (University of Rennes)  
L. Cesari (Michigan)  
E. Coddington (UCLA)  
J. Hale (Brown)  
W. Harris (Minnesota)  
P. Henrici (Zurich)  
M. Hestenes (UCLA)  
A. Hurd (UCLA)  
J. Lions (University of Paris)  
L. Markus (Minnesota)  
B. Meister (IBM, Zurich)  
A. Newell (UCLA)  
R. Redheffer (UCLA)  
D. Sánchez (UCLA)  
D. Sattinger (UCLA)  
C. Schubert (UCLA)  
J. Serrin (Minnesota)  
Y. Sibuya (Minnesota)

GRADUATE STUDENTS INTERESTED IN APPLIED MATHEMATICS ARE ENCOURAGED TO APPLY TO UCLA FOR THE YEAR 1968-1969

This academic year will afford an unusually favorable environment in which to continue graduate studies, or for newly graduated Ph.D.'s to continue research. The Mathematics Department will consider qualified applicants for teaching assistantships, research assistantships, fellowships, and visiting appointments for those unable to obtain independent support for the year 1968-69.

Address inquiries to:
Professor C. Schubert  
Department of Mathematics  
University of California  
Los Angeles, California 90024
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