NOTICES
OF THE
AMERICAN MATHEMATICAL SOCIETY

Edited by John W. Green and Gordon L. Walker

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FOREWORD TO SPECIAL ISSUE

This is the eighth annual Special Issue of the *Notices*. This year the Special Issue contains listings of assistantships and fellowships available in mathematics, a quality evaluation of graduate mathematics departments, 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 1967-1968 includes 307 departments of mathematics, statistics, computer science, and related mathematical disciplines. Forty colleges and universities which did not appear in last year's list are included in this issue, and departments in several universities appear on this list which did not appear previously. In this issue, colleges and universities have been grouped alphabetically within states, with Canadian institutions listed at the end.

The section on evaluation of the quality of graduate mathematics departments in the United States is reprinted from "An Assessment of Quality in Graduate Education," published in 1966 by the American Council on Education. In this study, departments are rated according to the quality of graduate faculty and effectiveness of graduate programs. The ratings are based on responses from selected department chairmen, distinguished senior scholars, and knowledgeable junior scholars who completed their training not more than ten years ago. The sample was weighted by size of department as measured in doctorates awarded in the last decade. An explanation of the importance of quality rating of graduate departments is included with the study.

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. This is a reinterpretation and clarification of the section which appeared in previous issues. Sample applications for total and partial exclusion of stipend from Federal Income Tax are also included.

As in previous Special Issues, an Index of all abstracts which appeared in Volume 13, 1966, of the *Notices* appears listed alphabetically by author. A general Index to Volume 13 concludes the issue.

This issue is published as a service to the mathematical community. In the past the Special Issue has evoked enthusiastic response from both students and mathematics departments, and it is hoped that the additional section on quality of graduate departments will increase the usefulness of the issue. 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.
ASSISTANTSHIPS AND FELLOWSHIPS IN MATHEMATICS IN 1967-1968

ALABAMA

University of Alabama

UNIVERSITY, ALABAMA 35486
R. L. Plunkett, Head
Department of Mathematics

Applications must be filed by March 1, 1967

NUMBER OF DEGREES AWARDED IN 1966

Baccalaureate Degrees by Institution: 1645
Baccalaureate Degrees by Department: 73
Master's Degrees by Department: 44

PH, D. Degrees awarded during last three years by field of specialization: Geometry and Topology, 3; Analysis and Functional Analysis, 1; Applied Mathematics, 1. TOTAL: 5

Type of financial assistance (with number anticipated in 1967-1968)

<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>NDEA Fellowship</td>
<td>2000-2400</td>
<td>$175/sems.</td>
<td>3-6</td>
</tr>
<tr>
<td>Teaching Fellowship</td>
<td>1900-3600</td>
<td>$175/sems.</td>
<td>6</td>
</tr>
<tr>
<td>Teaching Assistantship (40)</td>
<td>2100-2800</td>
<td>$175/sems.</td>
<td>10-15</td>
</tr>
<tr>
<td>Research Assistantship (3)</td>
<td>3500-4000</td>
<td>$175/sems.</td>
<td></td>
</tr>
<tr>
<td>Scholarship (4)</td>
<td>1650-1650</td>
<td>$175/sems.</td>
<td></td>
</tr>
<tr>
<td>NASA Traineeship (15)</td>
<td>2400-2400</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NSF Traineeship (2)</td>
<td>2400-2800</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Auburn University

AUBURN, ALABAMA 36830
L. P. Burton, Head
Department of Mathematics

Applications must be filed by February 15, 1967

NUMBER OF DEGREES AWARDED IN 1966

Baccalaureate Degrees by Institution: 1863
Baccalaureate Degrees by Department: 30
Master's Degrees by Department: 16

PH, D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 7; Geometry and Topology, 3; Analysis and Functional Analysis, 1; Computer Science and Numerical Analysis, 2; Applied Mathematics, 1. TOTAL: 14

Type of financial assistance (with number anticipated in 1967-1968)

<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 (40)</td>
<td>2040-2400</td>
<td>$100/qtr.</td>
<td>5</td>
</tr>
<tr>
<td>NASA Trainee (10)</td>
<td>2400-3600**</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NSF Trainee (3)</td>
<td>2400-3600**</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Includes possible supplement for teaching service.

Samford University

BIRMINGHAM, ALABAMA 35209
R. E. Wheeler, Head
Department of Mathematics

Applications must be filed by March 1, 1967

NUMBER OF DEGREES AWARDED IN 1966

Baccalaureate Degrees by Institution: 504
Baccalaureate Degrees by Department: 15

Type of financial assistance (with number anticipated in 1967-1968)

<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 (8)</td>
<td>1800</td>
<td>$30 per sem. hr.</td>
<td>10</td>
</tr>
<tr>
<td>Scholarship (2)</td>
<td>900-1800</td>
<td>$30 per sem. hr.</td>
<td></td>
</tr>
</tbody>
</table>
**ARIZONA**

**Arizona State University**

TEMPE, ARIZONA 85281

Evar D. Nering, Chairman
Department of Mathematics

Applications must be filed by March 15, 1967

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

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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>2000-3000</td>
<td>12</td>
<td>$145/sem.**</td>
<td>6</td>
<td>Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (40)</td>
<td>2250-3000</td>
<td>9</td>
<td>$145/sem.**</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (6)</td>
<td>2400-3300</td>
<td>12</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Out-of-State tuition is waived. Student is required to pay general university, registration, and other special fees approximating indicated amount.

**Northern Arizona University**

FLAGSTAFF, ARIZONA 86003

J. H. Butchart, Chairman
Department of Mathematics

Applications must be filed by February 15, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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 (8)</td>
<td>2000</td>
<td>9</td>
<td>$207 + $380 for non-residents</td>
<td>6</td>
<td>Tutoring</td>
</tr>
</tbody>
</table>

**University of Arizona**

TUCSON, ARIZONA 85721

Harvey Cohn, Chairman
Department of Mathematics

Applications must be filed by March 15, 1967

PH.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 4; Geometry and Topology, 2; Logic, 1; Analysis and Functional Analysis, 3; Probability and Statistics, 2; Applied Mathematics, 3. TOTAL: 15.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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 (6)</td>
<td>2400</td>
<td>9</td>
<td></td>
<td>6</td>
<td>Teaching**</td>
</tr>
<tr>
<td>Teaching Assistantship (60)</td>
<td>2200-2700</td>
<td>9</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (4)</td>
<td>2400-3000</td>
<td>9</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scholarship - Tuition (6)</td>
<td>2500-3200</td>
<td>9</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graduate Associate (15)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Several reductions to 3 hrs. available under NSF Science Development Program.

**ARKANSAS**

**University of Arkansas**

FAYETTEVILLE, ARKANSAS 72701

James E. Scroggs, Chairman
Department of Mathematics

Applications must be filed by February 15, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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 (27)</td>
<td>2700-3000</td>
<td>9</td>
<td>$125/sem.</td>
<td>6</td>
<td>Teaching</td>
</tr>
<tr>
<td>NSF Traineeships (2)</td>
<td>2400-3400</td>
<td>12</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NASA Traineeships (3)</td>
<td>2400-3400</td>
<td>12</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NUMBER OF DEGREESAWARDED IN 1966

Baccalaureate Degrees by Institution: 1172
Baccalaureate Degrees by Department: 28
Master's Degrees by Department: 33

NUMBER OF DEGREES AWARDED IN 1966

Baccalaureate Degrees by Institution: 1838*
Baccalaureate Degrees by Department: 30
Master's Degrees by Department: 13
California Institute of Technology

NUMBER OF DEGREES AWARDED IN 1966

Baccalaureate Degrees by Institution: 135
Baccalaureate Degrees by Department: 16
Master's Degrees by Department: 1

Applications must be filed by February 15, 1967

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 12; Geometry and Topology, 1; Analysis and Functional Analysis, 10; Computer Science and Numerical Analysis, 3. TOTAL: 26

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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 (14)</td>
<td>2400-2800</td>
<td>12</td>
<td>1825**</td>
<td>4 contact hours***</td>
</tr>
<tr>
<td>Teaching Assistantship (16)</td>
<td>2200-2600</td>
<td>9</td>
<td>1825**</td>
<td>15 term, 30 summer</td>
</tr>
<tr>
<td>Research Assistantship (9)</td>
<td>1800-2840</td>
<td>9-12</td>
<td>1825**</td>
<td>15 term, 30 summer</td>
</tr>
</tbody>
</table>

**Tuition scholarships normally accompany awards of teaching or research assistantships.
***Duties include preparation, grading, etc., which will require at most an additional 11 hours per week.

California Institute of Technology

NUMBER OF DEGREES AWARDED IN 1966

Baccalaureate Degrees by Institution: 135*
Baccalaureate Degrees by Department: 0*
Master's Degrees by Department: 0*

Applications must be filed by February 15, 1967

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 1967-1968)</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>2400-2800</td>
<td>12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (6)</td>
<td>2200-2600</td>
<td>9</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Fresno State College

NUMBER OF DEGREES AWARDED IN 1966

Baccalaureate Degrees by Institution: 60
Baccalaureate Degrees by Department: 2
Master's Degrees by Department: 2

Applications must be filed by March 25, 1967

Type of financial assistance (with number anticipated in 1967-1968) | Amount (dollars) | 9 or 12 mo. | Tuition, if not included in stipend | Service Required |
|---|---|---|---|---|
| Teaching Assistantship (6) | 1150 | 9 | | 3 Teaching
Humboldt State College
ARCATA, CALIFORNIA 95521
Orval M. Klose, Chairman
Department of Mathematics

Type of financial assistance (with number anticipated in 1967-1968)

<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>Scholarship (1)</td>
<td>300 9</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Undergraduate Assistant (12)</td>
<td>300 9</td>
<td>None for residents of California</td>
<td></td>
</tr>
</tbody>
</table>

Pepperdine College
LOS ANGELES, CALIFORNIA 90044
Ladis D. Kovach, Head
Department of Mathematics and Physics
Applications must be filed by June 1, 1967

Type of financial assistance (with number anticipated in 1967-1968)

<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 (2)</td>
<td>900-1800 12</td>
<td>$30 per unit</td>
<td></td>
</tr>
<tr>
<td>Scholarship (3)</td>
<td>600-1000 12</td>
<td>$40 per unit</td>
<td></td>
</tr>
</tbody>
</table>

Sacramento State College
SACRAMENTO, CALIFORNIA 95819
Stanley P. Hughart, Head
Department of Mathematics and Statistics
Applications must be filed by April 15, 1967

Type of financial assistance (with number anticipated in 1967-1968)

<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>1230 9</td>
<td>$116</td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (2)</td>
<td>2460 9</td>
<td>&quot;</td>
<td></td>
</tr>
<tr>
<td>Grad. Assistant (1)</td>
<td>2000 9</td>
<td>&quot;</td>
<td></td>
</tr>
</tbody>
</table>

San Diego State College
SAN DIEGO, CALIFORNIA 92115
R. Deane Branstetter, Chairman
Department of Mathematics
Applications must be filed by February 15, 1967

Type of financial assistance (with number anticipated in 1967-1968)

<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 (16)</td>
<td>3084 9</td>
<td>$51/sem.</td>
<td></td>
</tr>
</tbody>
</table>

San Fernando Valley State College
NORTHRIDGE, CALIFORNIA 91326
James C. Smith, Chairman
Department of Mathematics
Applications must be filed by April 15, 1967

Type of financial assistance (with number anticipated in 1967-1968)

<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 (6)</td>
<td>2000 9</td>
<td>$100</td>
<td></td>
</tr>
</tbody>
</table>

NUMBER OF DEGREES AWARDED IN 1966
Baccalaureate Degrees by Institution: 500
Baccalaureate Degrees by Department: 6

NUMBER OF DEGREES AWARDED IN 1966
Baccalaureate Degrees by Institution: 210
Baccalaureate Degrees by Department: 4
Master's Degrees by Department: 4

NUMBER OF DEGREES AWARDED IN 1966
Baccalaureate Degrees by Institution: 1524
Baccalaureate Degrees by Department: 21
Master's Degrees by Department: 5

NUMBER OF DEGREES AWARDED IN 1966
Baccalaureate Degrees by Institution: 2200
Baccalaureate Degrees by Department: 129
Master's Degrees by Department: 21

NUMBER OF DEGREES AWARDED IN 1966
Baccalaureate Degrees by Institution: 1295
Baccalaureate Degrees by Department: 22
Master's Degrees by Department: 3

NUMBER OF DEGREES AWARDED IN 1966
Baccalaureate Degrees by Institution: 888
Baccalaureate Degrees by Department: 888
Master's Degrees by Department: 888
Stanford University

STANFORD, CALIFORNIA 94305
Donald C. Spencer, Acting Head
Department of Mathematics

Applications must be filed by January 15, 1967

Ph.D. Degrees awarded during last three years by field of specialization:
Algebra and Number Theory, 2;
Geometry and Topology, 7; Logic, 2; Analysis and Functional Analysis, 23; Probability and Statistics, 1;
Computer Science and Numerical Analysis, 2; Applied Mathematics, 11. TOTAL: 48

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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 (2)</td>
<td>3800</td>
<td>9</td>
<td>$1770</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Graduate Assistantship (30)</td>
<td>2100-2500**</td>
<td>9</td>
<td>None</td>
<td>3 for 2 qtrs.</td>
<td></td>
</tr>
<tr>
<td>Fellowships and Traineeships NSF, NDEA, etc. (37)</td>
<td>2400-2800***</td>
<td>12</td>
<td>None</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

** Additional stipends for summer quarter are available to students qualified for independent study.

*** Additional stipends of $700 are often available for 3 hrs. of teaching service for one quarter.

Stanford University

STANFORD, CALIFORNIA 94305
Lincoln E. Moses, Head
Department of Statistics

Applications must be filed by January 15, 1967

Ph.D. Degrees awarded during last three years by field of specialization: Probability and Statistics, 38.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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 (12)</td>
<td>2400-2800</td>
<td>12</td>
<td>None</td>
<td>** Teaching**</td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (6)</td>
<td>2025-2250**</td>
<td>9</td>
<td>&quot;&quot;</td>
<td>Research **</td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (8)</td>
<td>2025-2250**</td>
<td>9</td>
<td>&quot;&quot;</td>
<td>Research **</td>
<td></td>
</tr>
<tr>
<td>Traineeship (13)</td>
<td>2400-2800</td>
<td>12</td>
<td>&quot;&quot;</td>
<td>**</td>
<td></td>
</tr>
</tbody>
</table>

** All Ph.D. candidates during their training must acquire some teaching and some research experience.

*** May be extended for 12 months.

Stanford University

STANFORD, CALIFORNIA 94305
John G. Herriot, Acting Head
Department of Computer Science

Applications must be filed by January 15, 1967

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 1967-1988)</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 (5)</td>
<td>2000</td>
<td>9</td>
<td>Less than 20 working hrs/wk.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (6)</td>
<td>2300-2600</td>
<td>9**</td>
<td>Less than 20 working hrs/wk.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (38)</td>
<td>2300-2600</td>
<td>9**</td>
<td>Less than 20 working hrs/wk.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Additional stipends of about $1,500 often available for full time work in Summer.
University of California at Berkeley

BERKELEY, CALIFORNIA 94720

Leon Henkin, Acting Chairman
Department of Mathematics

Number of Degrees Awarded in 1966

Baccalaureate Degrees by Institution: 3633
Baccalaureate Degrees by Department: 121
Master's Degrees by Department: 64

Applications for University Fellowships must be filed by December 15, 1966 and for departmental assistantships by February 1, 1967.

Ph.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 13; Geometry and Topology, 20; Logic, 6; Analysis and Functional Analysis, 19; Probability and Statistics, 3; Computer Science and Numerical Analysis, 5; Applied Mathematics, 12. TOTAL: 78

Type of financial assistance (with number anticipated in 1967-1968) | Stipend | Tuition, if not included in stipend | Service Required | Hrs/Week | Type
--- | --- | --- | --- | --- | ---
Fellowship (86) | 2000-3000 9**** | *** | 14 | Teaching
Teaching Assistantship (48) | 2860-3162 9 | ** | 14 | Teaching
Research Assistantship (90) | 2539-2785 10 | ** | 14 | Teaching
Half-time Associate and Half-time Acting Instructor (16) | 3114-3792 9 | ** | 14 | Teaching

** Tuition ($327/qtr.) is waived for a limited number of graduate students, but every student must pay incidental fees of $73/qtr.
*** Some fellowships are for 12 months, in which case the actual stipend would be increased proportionately.
**** This figure includes fellowships and traineeships from NSF, NDEA, NIH, NASA, University of California, Woodrow Wilson, Danforth Foundations, and industry. Most but not all of these agencies pay tuition and incidental fees in addition to the stipend.

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University of California at Berkeley

BERKELEY, CALIFORNIA 94720

Henry Scheffé, Chairman
Department of Statistics

Number of Degrees Awarded in 1966

Baccalaureate Degrees by Institution: 3097
Baccalaureate Degrees by Department: 8
Master’s Degrees by Department: 19

Applications for fellowships must be filed by December 15, 1966 and for assistantships by February 1, 1967.

Ph.D. Degrees awarded during last three years by field of specialization: Probability and Statistics, 25

Type of financial assistance (with number anticipated in 1967-1968) | Amount (dollars) | Tuition, if not included in stipend | Service Required | Hrs/Week | Type
--- | --- | --- | --- | --- | ---
Fellowship (10) | 2400 | 9 | ** | 10-16
Teaching Assistantship (25) | 2300-2700 9 | 10-16
Research Assistantship | | |

University of California at Berkeley

BERKELEY, CALIFORNIA 94720

Ernest W. Adams
The Group in Logic and the Methodology of Science

Number of Degrees Awarded in 1966

(See Department of Mathematics. This group gives only a Ph.D. Degree.)

Applications for fellowships must be filed by December 15, 1966 and for assistantships by February 1, 1967.

Ph.D. Degrees awarded during last three years by field of specialization: Logic and the Methodology of Science, 4.

Type of financial assistance (with number anticipated in 1967-1968) | Amount (dollars) | Tuition, if not included in stipend | Service Required | Hrs/Week | Type
--- | --- | --- | --- | --- | ---
Fellowship (10) | 2000-3000 9 or 12 | $1020 | 14-16 | Teaching
Teaching Assistantship (6)** | 2750-3040 9 or 12 | ** | ** |
Research Assistantship (4) | 2435-2690 10 | ** | ** |
Foreign Fellowship (2) Not Known (Must be applied for directly to student’s own country) | |

** Given by the Departments of Mathematics and Philosophy. Apply directly to these departments but specify the Group in Logic and the Methodology of Science.
*** Apply directly to Graduate Division. Specify Group in Logic and Methodology of Science.
University of California at Davis

DAVIS, CALIFORNIA 95616
E. B. Roessler, Chairman
Department of Mathematics

Applications must be filed by February 15, 1967

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 2; Analysis and Functional Analysis, 2. TOTAL: 4

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</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>2000–2400**</td>
<td>$244.50, $1,045***</td>
<td>16 Assisting with teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (19)</td>
<td>2860–3162</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Plus $400 per dependent. ***Non-residents (annually) unless waived.

University of California at Irvine

IRVINE, CALIFORNIA 92664
Bernard R. Gelbaum, Chairman
Department of Mathematics

Applications must be filed by February 15, 1967

PH. D. offered, but none awarded yet. Last year was the first year for U.C.I.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</th>
<th>Amount (dollars)</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></td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (12)</td>
<td>2860–3162</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (10)</td>
<td>3036–3354</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NSF Trainees (4)</td>
<td>2400–2800**</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NDEA Fellowship (4)</td>
<td>2000–2400**</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

University of California at San Diego

LA JOLLA, CALIFORNIA 92038
S. E. Warschawski, Chairman
Department of Mathematics

Applications must be filed by March 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</th>
<th>Amount (dollars)</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></td>
<td></td>
</tr>
<tr>
<td>Teaching Fellowship (2)</td>
<td>3744</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (20)</td>
<td>2860–3162</td>
<td>Fee: $75/qtr.</td>
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<tr>
<td>Research Assistantship (10)</td>
<td>3052–4035</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

University of California at Los Angeles

LOS ANGELES, CALIFORNIA 90024
Lowell J. Paige, Chairman
Department of Mathematics

Applications must be filed by January 10, 1967

Ph. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 14; Geometry and Topology, 6; Logic, 7; Analysis and Functional Analysis, 25; Probability and Statistics, 1; Computer Science and Numerical Analysis, 7; Applied Mathematics, 1; Combinatorial Analysis, 1; TOTAL: 62

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (10)</td>
<td>2000–2800</td>
<td>Waived</td>
<td></td>
</tr>
<tr>
<td>Teaching Fellowship (4)</td>
<td>2400–2900</td>
<td>$73.50/qtr. **</td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (46)</td>
<td>2860–3162</td>
<td>$73.50**</td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (20)</td>
<td>3036–3354</td>
<td>$73.50</td>
<td></td>
</tr>
</tbody>
</table>

** Incidental fee ($73.50/qtr.) must be paid by student. Nonresident tuition fee ($327/qtr.) may be waived for assistants with distinguished records.
### University of California at Riverside

**Applications must be filed by February 1, 1967**

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</th>
<th>Amount (dollars) 9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (NDEA)** (5)</td>
<td>2000–2400 12</td>
<td>None</td>
<td>20 Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (10)</td>
<td>2860–3162 9</td>
<td>$80/yr.***</td>
<td>20 (Academic year)</td>
</tr>
<tr>
<td>Research Assistantship (12)</td>
<td>3409–3766 12</td>
<td></td>
<td>40 (Summer)</td>
</tr>
<tr>
<td>University Fellowship (2)</td>
<td>2400 9</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>NSF Trainees ** (9)</td>
<td>2400 12</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

** Dependency Allowance  
*** Out-of-state tuition $267/qtr.

### University of California at Santa Barbara

**Applications must be filed by March 1, 1967**

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</th>
<th>Amount (dollars) 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>$267/qtr.***</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Teaching Fellowship (28)</td>
<td>416.00–416.00** 9</td>
<td>&quot;</td>
<td>6 Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (8)</td>
<td>317.77–351.33 9</td>
<td>&quot;</td>
<td>6 Teaching</td>
</tr>
<tr>
<td>Research Assistantship (9)</td>
<td>253.00–279.50 9</td>
<td>&quot;</td>
<td></td>
</tr>
<tr>
<td>Scholarship (2)</td>
<td>1000 for year</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Associates (6)</td>
<td>259.50–324.00 12</td>
<td>&quot;</td>
<td>6 Teaching</td>
</tr>
</tbody>
</table>

**Stipend is shown in monthly salary  
*****A variety of fellowships, some 9 months, some 12 months, at monthly salaries ranging from $83 to $340 are expected to be available.

### University of Southern California

**Applications must be filed by February 1, 1967**

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</th>
<th>Amount (dollars) 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>2400–2800 12</td>
<td>$400</td>
<td>6 Teaching &amp; Research</td>
</tr>
<tr>
<td>Teaching Fellowship (14)</td>
<td>3100–4000 9–12</td>
<td>&quot;</td>
<td>8 Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (8)</td>
<td>2000 9</td>
<td>&quot;</td>
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</tr>
<tr>
<td>Traineeships (15)</td>
<td>2400–2800 12</td>
<td></td>
<td></td>
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</table>
### Colorado School of Mines

GOLDEN, COLORADO 80401  
Joseph R. Lee, Head  
Department of Mathematics  
Applications must be filed by January 15, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance with number anticipated in 1967-1968</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (4)</td>
<td>2000</td>
<td>9</td>
<td>Waived</td>
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<td></td>
<td></td>
<td></td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Teaching</td>
</tr>
</tbody>
</table>

### Colorado State College

GREELEY, COLORADO 80631  
Forest N. Fisch, Chairman  
Department of Mathematics  
Applications must be filed by February 15, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance with number anticipated in 1967-1968</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (4)</td>
<td>2250-3000</td>
<td>Both</td>
<td>6</td>
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<td></td>
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### Colorado State University

FT. COLLINS, COLORADO 80521  
M. L. Madison, Head  
Department of Mathematics and Statistics  
Applications must be filed by March 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance with number anticipated in 1967-1968</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship in Statistics (12)</td>
<td>2400-2800 + 500/dependent</td>
<td></td>
<td>12 Consulting/teaching</td>
</tr>
<tr>
<td>Research Assistantship in Statistics (3)</td>
<td>200/mo. - 350/mo.</td>
<td></td>
<td>12</td>
</tr>
<tr>
<td>Scholarship (3)</td>
<td>2000-3400</td>
<td>Tuition waiver</td>
<td>No Duties</td>
</tr>
<tr>
<td>NASA (7)</td>
<td>2000-3400</td>
<td>No Duties</td>
<td>No Duties</td>
</tr>
<tr>
<td>NSF (2)</td>
<td>2400-3300</td>
<td>No Duties</td>
<td>No Duties</td>
</tr>
<tr>
<td>Teaching Assistantship in Statistics (11)</td>
<td>2100-2700</td>
<td>$40/qtr. fees</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Teaching</td>
</tr>
</tbody>
</table>

### University of Colorado

BOULDER, COLORADO  
Watson Fulks, Chairman  
Department of Mathematics  
Applications must be filed by January 15, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance with number anticipated in 1967-1968</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>Fellowship (20-25)</td>
<td>2000-3600</td>
<td>in-state</td>
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<tr>
<td>Teaching Assistantship (75-80)</td>
<td>2500</td>
<td>regular</td>
<td>20</td>
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<tr>
<td>Research Assistantship (4-5)</td>
<td>2600</td>
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<tr>
<td>Scholarship (55-50)</td>
<td>Tuition only</td>
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</table>
# University of Denver

DENVER, COLORADO 80210

Herbert J. Greenberg, Chairman
Department of Mathematics

Applications must be filed by April 1, 1967

PH.D. program will be in effect 1967-1968.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (9)</td>
<td>2200-2600</td>
<td>1200</td>
<td>5</td>
</tr>
<tr>
<td>Research Assistantship (4)</td>
<td>2200-2600</td>
<td>1200</td>
<td>10</td>
</tr>
<tr>
<td>Scholarship (2)</td>
<td>2400</td>
<td>1200</td>
<td></td>
</tr>
<tr>
<td>NSF (3)</td>
<td></td>
<td></td>
<td></td>
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</table>

Type of financial assistance (with number anticipated in 1967-1968)

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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 (0 or 1)</td>
<td>1800</td>
<td>$356**</td>
<td>3</td>
</tr>
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</table>

** For Colorado residents; out-of-state add $249.

# Western State College of Colorado

GUNNISON, COLORADO 81230

William E. Dorgan, Chairman
Department of Mathematics

Applications must be filed by March 15, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (0 or 1)</td>
<td>1800</td>
<td>$356**</td>
<td>3</td>
</tr>
</tbody>
</table>

# Connecticut College

NEW LONDON, CONNECTICUT 06320

Julia Wells Bower, Chairman
Department of Mathematics

Applications must be filed by March 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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>2000</td>
<td></td>
<td>6</td>
</tr>
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</table>

# University of Bridgeport

BRIDGEPORT, CONNECTICUT 06602

Wray G. Brady, Chairman
Department of Mathematics

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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>1800</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Research Assistantship (1)</td>
<td>1800</td>
<td></td>
<td>20</td>
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</table>

# University of Connecticut

STORRS, CONNECTICUT 06268

G. N. Raney, Acting Head
Department of Mathematics

Applications must be filed by March 30, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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>$150</td>
<td>3</td>
</tr>
<tr>
<td>Teaching Assistantship (10)</td>
<td>2400-3000</td>
<td>$150</td>
<td>6</td>
</tr>
<tr>
<td>NSF Traineeship (3)</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>
University of Connecticut

STORRS, CONNECTICUT 06268
Robert H. Riffenburgh, Head
Department of Statistics

Applications must be filed by March 1, 1967

PH.D. Degrees awarded during last three years by field of specialization: Probability and Statistics, 2.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</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>2000–4000</td>
<td>9</td>
<td>$95/sem.</td>
<td>15–20 Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (3)</td>
<td>2400–3000</td>
<td>9</td>
<td>&quot;</td>
<td>15–20 Assisting**</td>
</tr>
<tr>
<td>Research Assistantship (4)</td>
<td>2400–3000</td>
<td>9</td>
<td>&quot;</td>
<td>15–20 Programming</td>
</tr>
<tr>
<td>Computer Assistantship (2)</td>
<td>2400–3000</td>
<td>9</td>
<td>&quot;</td>
<td></td>
</tr>
</tbody>
</table>

Wesleyan University

MIDDLETOWN, CONNECTICUT 06457
Walter H. Gottschalk, Chairman
Department of Mathematics

Applications must be filed by April 1, 1967

PH.D. Degrees awarded during last three years by field of specialization: Geometry and Topology, 2.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</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>2400–2800</td>
<td>9</td>
<td>5 Routine</td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (4)</td>
<td>2400–2800</td>
<td>9</td>
<td>5 Routine</td>
<td></td>
</tr>
<tr>
<td>Traineeship (5)</td>
<td>2400–2800</td>
<td>9</td>
<td>5 Routine</td>
<td></td>
</tr>
</tbody>
</table>

Yale University

NEW HAVEN, CONNECTICUT 06520
Nathan Jacobson, Chairman
Department of Mathematics

Applications must be filed by January 18, 1967

PH.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 12; Geometry and Topology, 3; Analysis and Functional Analysis, 13; Probability and Statistics, 3. TOTAL: 31

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</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>1800</td>
<td>9</td>
<td>$1800 full tuition or $400 dissertation fee</td>
<td></td>
</tr>
<tr>
<td>Research Assistantship ** (15)</td>
<td>1800</td>
<td>9</td>
<td>&quot;</td>
<td></td>
</tr>
<tr>
<td>NSF Trainees** (29)</td>
<td>1800–2100</td>
<td>9</td>
<td>&quot;</td>
<td></td>
</tr>
<tr>
<td>NSF Trainees** (6)</td>
<td>1800–2100</td>
<td>9</td>
<td>&quot;</td>
<td></td>
</tr>
<tr>
<td>NASA Trainees** (4)</td>
<td>2400–2800</td>
<td>12</td>
<td>&quot;</td>
<td></td>
</tr>
</tbody>
</table>

**These awards are subject to upward revision. Summer support and dependency allowances can be arranged for all students.

*** This is a 10-month award.
### Catholic University of America

**WASHINGTON, D.C. 20017**  
Raymond W. Moller, Head  
Department of Mathematics  
Applications must be filed by March 1, 1967

PH.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 2; Analysis and Functional Analysis, 3; Probability and Statistics, 7. TOTAL: 12

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>NDEA Fellowship (4)</td>
<td>2000-2400**</td>
<td>9</td>
<td>$1400</td>
<td>7 Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (12)</td>
<td>2000</td>
<td>9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (2)</td>
<td>3600</td>
<td>12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scholarship (5)</td>
<td>Tuition only</td>
<td>9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Traineeships (NIH Biometry) (12)</td>
<td>2400-2800**</td>
<td>12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NSF &amp; NASA Traineeships (8-10)</td>
<td>2400-2800**</td>
<td>12</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

** Plus dependency allowance.

### George Washington University

**WASHINGTON, D.C. 20006**  
David Nelson, Chairman  
Department of Mathematics  
Applications must be filed by March 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>NDEA Fellowship (2)</td>
<td>2000-2400</td>
<td>9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (7)</td>
<td>2300-2500</td>
<td>9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NASA Traineeship</td>
<td>2400-2800</td>
<td>12</td>
<td></td>
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</tr>
<tr>
<td>NSF Traineeship (2)</td>
<td>2400-2800</td>
<td>12</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### George Washington University

**WASHINGTON, D.C. 20006**  
S. Kullback, Chairman  
Department of Statistics  
Applications must be filed by March 15, 1967

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 1967-1968)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (5)</td>
<td>2200-2800</td>
<td>9</td>
<td>$775</td>
<td>7 Lab. Assistant</td>
</tr>
<tr>
<td>Teaching Fellowship (4)</td>
<td>2000-2200</td>
<td>9</td>
<td>$1080</td>
<td>7 Lab. Assistant</td>
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<tr>
<td>Teaching Assistantship (3)</td>
<td>2000-2200</td>
<td>9</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Georgetown University

**WASHINGTON, D.C. 20006**  
John E. Lagnese, Chairman  
Department of Mathematics  
Applications must be filed by February 15, 1967

Ph.D. Degrees awarded during last three years by field of specialization: Analysis and Functional Analysis, 2.
Howard University
WASHINGTON, D.C. 20001
George H. Butcher, Acting Head
Department of Mathematics and Astronomy
Applications for fellowships must be filed by June 15, 1967 and for assistantships by August 31, 1967

University of Delaware
NEWARK, DELAWARE 19711
Russell Remage, Chairman
Department of Mathematics
Applications must be filed by March 1, 1967

Florida State University
TALLAHASSEE, FLORIDA 32306
Orville G. Harrold, Chairman
Department of Mathematics
Applications for assistantships must be filed by January 1, 1967 and for fellowships by March 15, 1967

University of Delaware
NUMBER OF DEGREES AWARDED IN 1966
Baccalaureate Degrees by Institution: 741
Baccalaureate Degrees by Department: 16
Master's Degrees by Department: 12

Florida State University
NUMBER OF DEGREES AWARDED IN 1966
Baccalaureate Degrees by Institution: 2489
Baccalaureate Degrees by Department: 55
Master's Degrees by Department: 17

Florida State University
NUMBER OF DEGREES AWARDED IN 1966
(See Department of Mathematics)
Ph.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 3; Geometry and Topology, 7; Analysis and Functional Analysis, 6. TOTAL: 16

Florida State University
NUMBER OF DEGREES AWARDED IN 1966
No Ph.D. Degrees in Computer Science. Our graduate assistants may work for degrees in mathematics, statistics, mathematics education, etc.

** Applications should be filed by February 15, 1967.

Florida State University
NUMBER OF DEGREES AWARDED IN 1966
** Current Estimate
Ph.D. Degrees awarded during last three years by field of specialization: Probability and Statistics, 1.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</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>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (16)</td>
<td>200–350/mo.</td>
<td>12</td>
<td></td>
<td>**</td>
</tr>
<tr>
<td>Teaching Assistantship (7)</td>
<td>225–300/mo.</td>
<td>9 or 12</td>
<td></td>
<td>**</td>
</tr>
<tr>
<td>Research Assistantship (8)</td>
<td>250–300/mo.</td>
<td>12</td>
<td></td>
<td>**</td>
</tr>
<tr>
<td>Tuition Scholarship (2)</td>
<td>Payment of fees</td>
<td>12</td>
<td></td>
<td>**</td>
</tr>
<tr>
<td>NIH Biometry Traineeship (15)</td>
<td>200–233/mo.***</td>
<td>**</td>
<td>1 Bio. Seminar</td>
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</tr>
<tr>
<td>Computing Center Assistantship (4)</td>
<td>250–350/mo.</td>
<td>9 or 12</td>
<td></td>
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</tr>
<tr>
<td>NSF Traineeship (4)</td>
<td>200–250/mo.</td>
<td>9 or 12</td>
<td></td>
<td>**</td>
</tr>
</tbody>
</table>

** Tuition is waived for all Fellowships and Assistantships in state; fees of $150/session paid by student, with the exception of Biometry Trainees.  *** Plus dependency allowance.

University of Florida

GAINESVILLE, FLORIDA 32603
John E. Maxfield, Chairman
Department of Mathematics

Applications must be filed by February 15, 1967

PH.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 8; Geometry and Topology, 6; Computer Science and Numerical Analysis, 1; Applied Mathematics, 1.

TOTAL: 16

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</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>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (12)</td>
<td>2200–3100</td>
<td>9</td>
<td>Waived</td>
<td>6 Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (25)</td>
<td>2000–2500</td>
<td>9</td>
<td>Waived</td>
<td>15 Research</td>
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<tr>
<td>Research Assistantship (5)</td>
<td>3100</td>
<td>9</td>
<td>Waived</td>
<td>**</td>
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</table>

University of Miami

CORAL GABLES, FLORIDA 33124
Herman Meyer, Acting Chairman
Department of Mathematics

Applications must be filed by February 15, 1967

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

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</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>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (12)</td>
<td>2200–3100</td>
<td>9</td>
<td>Waived</td>
<td>6 Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (25)</td>
<td>2000–2500</td>
<td>9</td>
<td>Waived</td>
<td>15 Research</td>
</tr>
<tr>
<td>Research Assistantship (5)</td>
<td>3100</td>
<td>9</td>
<td>Waived</td>
<td>**</td>
</tr>
</tbody>
</table>

GEORGIA

Emory University

ATLANTA, GEORGIA 30322
Trevor Evans. Chairman
Department of Mathematics

Applications must be filed by February 15, 1967

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 1967–1968)</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>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (16)</td>
<td>2000–2500</td>
<td>9 or 12</td>
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<td>**</td>
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<tr>
<td>Teaching Assistantship (4)</td>
<td>2100</td>
<td>9</td>
<td></td>
<td>15 Teaching</td>
</tr>
</tbody>
</table>
Georgia Institute of Technology

ATLANTA, GEORGIA 30332
Bertram M. Drucker, Director
Department of Mathematics

Applications must be filed by March 15, 1967

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

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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>Teaching Fellowship (30)</td>
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<td>$315</td>
<td>5-10</td>
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<tr>
<td>Research Assistantship (3)</td>
<td>2000-3750</td>
<td>9</td>
<td>$315</td>
<td></td>
<td></td>
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<tr>
<td>NASA, NSF Traineeships (5)</td>
<td>2400-3400</td>
<td>12</td>
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</table>

Georgia State College

ATLANTA, GEORGIA 30303
G. L. Tiller, Chairman
Department of Mathematics

Applications must be filed by August 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Type</th>
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</thead>
<tbody>
<tr>
<td>Teaching Assistantship (15)</td>
<td>1200-2400</td>
<td>9</td>
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<td>5</td>
<td>Teaching</td>
</tr>
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</table>

University of Georgia

ATHENS, GEORGIA 30601
B. J. Ball, Head
Department of Mathematics

Applications must be filed by February 15, 1967

PH.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 2; Geometry and Topology, 8; Analysis and Functional Analysis, 1; Probability and Statistics, 2. TOTAL: 13

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (10)</td>
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<tr>
<td>Teaching Fellowship (3)</td>
<td>4200-4600</td>
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<td>$333</td>
<td>5</td>
<td>Teaching</td>
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<tr>
<td>Teaching Assistantship (10)</td>
<td>2100-4600</td>
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<td>$240</td>
<td>5-10</td>
<td>Teaching</td>
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</table>

University of Hawaii

HONOLULU, HAWAI'I 96822
Edwin H. Mookini, Chairman
Department of Mathematics

Applications must be filed by February 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Type</th>
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</thead>
<tbody>
<tr>
<td>Teaching Assistantship (10)</td>
<td>2664-2772</td>
<td>9</td>
<td>Exempted</td>
<td>20</td>
<td>Teaching</td>
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IDAHO

Idaho State University

POCATELLO, IDAHO 83201
John Hilzman, Chairman
Department of Mathematics

Applications must be filed by March 15, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (4)</td>
<td>2200</td>
<td>9</td>
<td></td>
<td>4-5</td>
<td>Teaching</td>
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</table>
**University of Idaho**

MOSCOW, IDAHO 83843
Howard E. Campbell, Head
Department of Mathematics

Applications must be filed by February 15, 1967

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

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</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>2200</td>
<td>9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (12)</td>
<td>2000</td>
<td>9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NASA (2)</td>
<td>2400</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NSF (2)</td>
<td>2400</td>
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</tbody>
</table>

**Eastern Illinois University**

CHARLESTON, ILLINOIS 61920
Lawrence A. Ringenberg, Head
Department of Mathematics

Applications must be filed by March 1, 1967

- Baccalaureate Degrees by Institution: 949
- Baccalaureate Degrees by Department: 13
- Master's Degrees by Department: 13

**Illinois Institute of Technology**

CHICAGO, ILLINOIS 60616
Haim Reingold, Chairman
Department of Mathematics

Applications must be filed by April 1, 1967

- Baccalaureate Degrees by Institution: 476
- Baccalaureate Degrees by Department: 50
- Master's Degrees by Department: 4

**Illinois State University**

NORMAL, ILLINOIS 61761
Clyde T. McCormick, Head
Department of Mathematics

Applications must be filed by March 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</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 (20)</td>
<td>2000–3000</td>
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<tr>
<td>Teaching Assistantship (40)</td>
<td>2000–3500</td>
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<tr>
<td>Research Assistantship (5)</td>
<td>2000–4000</td>
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</table>

**Loyola University**

CHICAGO, ILLINOIS 60611
John J. Connelly, Acting Chairman
Department of Mathematics

Applications must be filed by March 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</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 Fellowship (7)</td>
<td>2000</td>
<td>9</td>
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</table>
Northern Illinois University
DEKALB, ILLINOIS 60115
James W. Beach, Head
Department of Mathematics

Type of financial assistance (with number anticipated in 1967-1968)

<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 (10)</td>
<td>1620-2340 9</td>
<td>$258.50 or $138.50</td>
<td>Half-time load</td>
</tr>
<tr>
<td>Peace Corps Assistantship ** (2)</td>
<td>2340 9</td>
<td>$138.50</td>
<td>Half-time load</td>
</tr>
</tbody>
</table>

** Available to returnee from Peace Corps work.

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

Applications must be filed by February 15, 1967

Ph.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 3; Geometry and Topology, 3; Analysis and Functional Analysis, 2. TOTAL: 8

Type of financial assistance (with number anticipated in 1967-1968)

<table>
<thead>
<tr>
<th>Stipend</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>Fellowship (3)</td>
<td>2000-2700 9-12</td>
<td>Free</td>
<td>4-6 Teaching</td>
</tr>
<tr>
<td>Teaching Fellowship (30)</td>
<td>2300-2700 9-12</td>
<td>**</td>
<td>4-6 Teaching</td>
</tr>
<tr>
<td>Research Assistantship (10)</td>
<td>2300-2700 9-12</td>
<td>Free</td>
<td>4-6 Teaching</td>
</tr>
<tr>
<td>NSF Traineeship (11)</td>
<td>2400-2800 12</td>
<td>&quot;</td>
<td>4-6 Teaching</td>
</tr>
<tr>
<td>NDEA Fellowship (14)</td>
<td>2400-2800 12</td>
<td>&quot;</td>
<td>4-6 Teaching</td>
</tr>
<tr>
<td>NASA Fellowship (2)</td>
<td>2400-2800 12</td>
<td>&quot;</td>
<td>4-6 Teaching</td>
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<tr>
<td>Scholarship</td>
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</table>

Southern Illinois University
CARBONDALE, ILLINOIS 62901
John M. H. Olmsted, Chairman
Department of Mathematics

Applications must be filed by February 1, 1967

Ph.D. program is new.

Type of financial assistance (with number anticipated in 1967-1968)

<table>
<thead>
<tr>
<th>Stipend</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>Fellowship (9)</td>
<td>1800-2400 9-12</td>
<td>$5-$20 per term</td>
<td>5 Nonteaching</td>
</tr>
<tr>
<td>Teaching Assistantship (12)</td>
<td>2430-3150 9</td>
<td>$5-$20 per term</td>
<td>6-7 Teaching contact hours</td>
</tr>
<tr>
<td>NSF Traineeship (3)</td>
<td>2400-3300 12</td>
<td>$5-$20 per term</td>
<td></td>
</tr>
<tr>
<td>NASA Traineeship (2)</td>
<td>2400-3400 12</td>
<td>$5-$20 per term</td>
<td></td>
</tr>
</tbody>
</table>

** Fees (per quarter) plus $10.50 optional activity fee.
University of Chicago

CHICAGO, ILLINOIS 60637
Irving Kaplansky, Chairman
Department of Mathematics

NUMBER OF DEGREES AWARDED IN 1966

Baccalaureate Degrees by Institution: 340
Baccalaureate Degrees by Department: 34
Master's Degrees by Department: 29

Applications must be filed by January 1, 1967 for foreign applicants, and February 1, 1967 for U.S. and Canadian applicants

PH.D. Degrees awarded during last three years by field of specialization:
- Algebra and Number Theory, 25;
- Geometry and Topology, 7;
- Logic, 1;
- Analysis and Functional Analysis, 11;
- Applied Mathematics, 1.

TOTAL: 45

Type of financial assistance (with number anticipated in 1967-1968)

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tbody>
<tr>
<td>University Fellow (6)</td>
<td>3510 9</td>
<td>$1710</td>
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</tr>
<tr>
<td>Teaching Assistantship (2)</td>
<td>up to 2550 9**</td>
<td>$920</td>
<td>Variable Research</td>
</tr>
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<td>Research Assistantship (11)</td>
<td>up to 4440 12</td>
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<tr>
<td>Federal Fellowship (64)</td>
<td>2400-2800*** 12</td>
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<tr>
<td>Miscellaneous Fellowship (7)</td>
<td>up to 2600 9-12</td>
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</tbody>
</table>

** Summer support usually also available.
*** Supplementation possible up to $1000.

University of Chicago

CHICAGO, ILLINOIS 60637
William Kruskal, Chairman
Department of Statistics

Applications must be filed by February 1, 1967

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

Type of financial assistance (with number anticipated in 1967-1968)

<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 (9)</td>
<td>2000-3000 9</td>
<td>$1710</td>
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</tr>
<tr>
<td>Research Assistantship (5)</td>
<td>1100-2600 9</td>
<td>$1710</td>
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<tr>
<td>NASA, NSF, NIH Traineeships (6)</td>
<td>1800-2100 9</td>
<td>$1710</td>
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</tr>
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</table>

University of Illinois

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

Applications must be filed by February 15, 1967

PH.D. Degrees awarded during last three years by field of specialization:
- Algebra and Number Theory, 9;
- Geometry and Topology, 11;
- Logic, 7;
- Analysis and Functional Analysis, 22;
- Probability and Statistics, 3;
- Computer Science and Numerical Analysis, 3;
- Applied Mathematics, 7.

TOTAL: 62

Type of financial assistance (with number anticipated in 1967-1968)

<table>
<thead>
<tr>
<th>Stipend</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>University Fellowship** (15)</td>
<td>2000-2500 9&amp;12</td>
<td>$1710</td>
<td>6-7 Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship ½ time (135)</td>
<td>2430 9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research Assistantship ½ time (15)</td>
<td>2430 9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NSF Scholarship ** (20)</td>
<td>2400-2800 9&amp;12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Traineeships** (20)</td>
<td>2400-2800 9&amp;12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AY*** (30)</td>
<td>3600**** 12</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

** Holders can earn an extra $1000 - $1215 as 1/4-time teaching assistants.
*** Academic Year Institute Fellowship for high school teachers.
**** Plus allowance for dependents, travel, etc.

University of Illinois

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

Applications must be filed by February 15, 1967

Type of financial assistance (with number anticipated in 1967-1968)

<table>
<thead>
<tr>
<th>Stipend</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>Fellowship (5)</td>
<td>2000-2400 9</td>
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<td>Research Assistantship (45)</td>
<td>2400-2500 9</td>
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</tr>
</tbody>
</table>

902
Western Illinois University

MACOMB, ILLINOIS 61455
Joseph J. Stipanowich, Head
Department of Mathematics

Applications must be filed by April 1, 1967

Type of financial assistance (with number anticipated in 1967-1968)
Grad. Assistantship (8)

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Type</th>
<th>Amount 9 or (dollars) 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>1620</td>
<td>Grad</td>
<td>9</td>
<td>Waived</td>
<td>20</td>
</tr>
</tbody>
</table>

Number of degrees awarded in 1966
Baccalaureate Degrees by Institution: 654
Baccalaureate Degrees by Department: 34
Master's Degrees by Department: 8

Applications must be filed by April 1, 1967

INDIANA

Ball State University

MUNCIE, INDIANA 47306
Earl H. McKinney, Head
Department of Mathematics

Applications must be filed by March 15, 1967

Type of financial assistance (with number anticipated in 1967-1968)
Teaching Assistantship (5)

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Type</th>
<th>Amount 9 or (dollars) 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000-2500</td>
<td>Teaching</td>
<td>9</td>
<td>Approx. $9/qtr. hr.</td>
<td>4-6 Teaching or Equivalent</td>
</tr>
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</table>

Number of degrees awarded in 1966
Baccalaureate Degrees by Institution: 1388
Baccalaureate Degrees by Department: 36
Master's Degrees by Department: 11

DePauw University

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

Applications must be filed by February 1, 1967

Type of financial assistance (with number anticipated in 1967-1968)
Teaching Assistantship (3)

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Type</th>
<th>Amount 9 or (dollars) 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>500-1000</td>
<td>Teaching</td>
<td>9</td>
<td>Waived</td>
<td>3 Assist in Quiz Sections</td>
</tr>
</tbody>
</table>

Number of degrees awarded in 1966
Baccalaureate Degrees by Institution: 470
Baccalaureate Degrees by Department: 32
Master's Degrees by Department: 1

Indiana University

BLOOMINGTON, INDIANA 47401
S. G. Ghurye, Chairman
Department of Mathematics

Applications must be filed by February 1, 1967

Type of financial assistance (with number anticipated in 1967-1968)
Fellowship ** (25)
Teaching Fellowship** (10)
Teaching Assistantship (65)
Research Assistantship (8)
Part-time assistantship (10)

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Type</th>
<th>Amount 9 or (dollars) 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000-3000</td>
<td>Fellowship</td>
<td>9&amp;12</td>
<td>***</td>
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<tr>
<td>3000-3500</td>
<td>Teaching Fellowship</td>
<td>12</td>
<td>***</td>
<td>5</td>
</tr>
<tr>
<td>2500-3500</td>
<td>Teaching Assistantship</td>
<td>9&amp;12</td>
<td>$11 per credit hr.</td>
<td>15</td>
</tr>
<tr>
<td>2500-3500</td>
<td>Research Assistantship</td>
<td>9&amp;12</td>
<td>&quot;</td>
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</tr>
<tr>
<td>500-1200</td>
<td>Part-time assistantship</td>
<td>9&amp;12</td>
<td>&quot;</td>
<td></td>
</tr>
</tbody>
</table>

** Many provide dependent allowances.
*** Many provide fee-exemption; for the rest, $11 per credit hour.

Number of degrees awarded in 1966
Baccalaureate Degrees by Institution: 2638*
Baccalaureate Degrees by Department: 56
Master's Degrees by Department: 32

PH.D, Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 10; Geometry and Topology, 7; Analysis and Functional Analysis, 3; Probability and Statistics, 3; Applied Mathematics, 2. TOTAL: 25
**Purdue University**

LAFAYETTE, INDIANA 47907

G. R. MacLane, Head

Department of Mathematics

Applications must be filed by February 15, 1967

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 5; Geometry and Topology, 9; Analysis and Functional Analysis, 18; Others, 3. TOTAL: 35

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Stipend</th>
<th>Service Required</th>
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</thead>
<tbody>
<tr>
<td>Fellowship (36)</td>
<td>2400-4000</td>
<td>12</td>
<td>$79</td>
<td>Teaching Fellowship (20)</td>
<td>3100-3300</td>
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<tr>
<td>Teaching Fellowship (20)</td>
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<td>9</td>
<td>$79</td>
<td>Research Assistantship (24)</td>
<td>2500</td>
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<tr>
<td>Teaching Assistantship (90)</td>
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</tr>
<tr>
<td>Research Assistantship (24)</td>
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<td></td>
</tr>
</tbody>
</table>

**Purdue University**

LAFAYETTE, INDIANA 47907

S. D. Conte, Head

Department of Computer Sciences

Applications must be filed by February 15, 1967

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 1967-1968)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Stipend</th>
<th>Service Required</th>
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</thead>
<tbody>
<tr>
<td>Fellowship (25)</td>
<td>2400-4000</td>
<td>12</td>
<td>$79</td>
<td>Teaching Fellowship (4)</td>
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<td>Teaching Fellowship (4)</td>
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<td>$79</td>
<td>Research Assistantship (25)</td>
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<td>Teaching Assistantship (16)</td>
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<tr>
<td>Research Assistantship (25)</td>
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</tr>
</tbody>
</table>

**University of Notre Dame**

NOTRE DAME, INDIANA 46556

Wilhelm Stoll, Head

Department of Mathematics

Applications must be filed by February 20, 1967

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 8; Geometry and Topology, 7; Logic, 2; Analysis and Functional Analysis, 3. TOTAL: 20

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship** (15)</td>
<td>2100-2700</td>
<td>9-12</td>
<td></td>
<td>Teaching Assistantship (45)</td>
<td>2400-3300</td>
</tr>
<tr>
<td>Teaching Assistantship (45)</td>
<td>2700-3500</td>
<td>9-12</td>
<td></td>
<td>Research Assistantship (5)</td>
<td>2700-3500</td>
</tr>
</tbody>
</table>

** Includes NSF, NASA and NDEA Traineeships
Iowa State University

Applications must be filed by March 1, 1967

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, 9; Computer Science and Numerical Analysis, 3; Applied Mathematics, 6; TOTAL: 23

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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 (8)</td>
<td>2000-2600</td>
<td>9 or 12</td>
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<tr>
<td>Teaching Assistantship (55)</td>
<td>1620-2700</td>
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<td>$52/qtr.</td>
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<tr>
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<td>&quot;</td>
<td>10</td>
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</table>

Iowa State University

Applications for fellowships must be filed by January 1, 1967 and for assistantships by April 1, 1967.

Ph.D. Degrees awarded during last three years by field of specialization: Probability and Statistics, 14.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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>1800-2800</td>
<td>9 or 12</td>
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<td>Teaching Assistantship (7)</td>
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<td>$156/yr.</td>
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<td>Research Assistantship (10)</td>
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<td>NIH Traineeship (6)</td>
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<tr>
<td>Associateship (6)</td>
<td>4500-6000</td>
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</table>

** Estimate.

University of Iowa

Applications must be filed by March 1, 1967

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, 5; Probability and Statistics, 4; TOTAL: 21

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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>2000-3400</td>
<td>12</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (55)</td>
<td>2500-3200</td>
<td>9</td>
<td>$380/yr.</td>
<td>6</td>
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<tr>
<td>Research Assistantship (5)</td>
<td>2450-3000</td>
<td>9</td>
<td>$380</td>
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<tr>
<td>Scholarship (15)</td>
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<td>$380 or $690**</td>
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</tbody>
</table>

** Out-of-state fees remitted for students holding 1/4 time or more appointments. (Resident fee: $380; Nonresident fee: $690)

University of Iowa

Applications must be filed by March 21, 1967

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, 5; Probability and Statistics, 4; TOTAL: 21

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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>
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<td>Research Assistantship (8)</td>
<td>3000-3600</td>
<td>12</td>
<td>&quot;</td>
<td>20</td>
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</tbody>
</table>
University of Iowa

Robert V. Hogg, Chairman
Department of Statistics

Applications must be filed by March 1, 1967

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

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Type of financial assistance (with number anticipated in 1967–1968)</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 (8)</td>
<td>2500–3200</td>
<td>9</td>
<td>$380</td>
<td>6</td>
<td>Teaching</td>
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</tr>
<tr>
<td>Research Assistantship (4)</td>
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<td>$380 or $690**</td>
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<td>Research</td>
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</tr>
<tr>
<td>Scholarship (2)</td>
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<td>$380</td>
<td>9</td>
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</tbody>
</table>

** Resident fee: $380; Nonresident fee: $690. Nonresident fees are remitted for student holding 1/4 time or more appointments.

KANSAS

Fort Hays Kansas State College

W. Toalson, Chairman
Department of Mathematics

Applications must be filed by March 1, 1967

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Type of financial assistance (with number anticipated in 1967–1968)</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 Fellowship (5)</td>
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<td>$121.50</td>
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<td>$121.50</td>
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Kansas State College of Pittsburg

R. G. Smith, Chairman
Department of Mathematics

Applications must be filed by March 1, 1967

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Type of financial assistance (with number anticipated in 1967–1968)</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 (8)</td>
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<td>$208</td>
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<td>Teaching</td>
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</table>

Kansas State University

R. G. Sanger, Head
Department of Mathematics

Applications must be filed by February 15, 1967

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Type of financial assistance (with number anticipated in 1967–1968)</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>Research Assistantship (4)</td>
<td>1890–2500</td>
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<td>$144/sem.</td>
<td>9</td>
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<td>9</td>
<td></td>
</tr>
</tbody>
</table>

**Resident fee: $380; Nonresident fee: $690. Nonresident fees are remitted for student holding 1/4 time or more appointments.
University of Kansas

LAWRENCE, KANSAS 66044
G. Baley Price, Chairman
Department of Mathematics
Applications must be filed by February 15, 1967

Ph.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 7; Geometry and Topology, 3; Logic, 7. TOTAL: 17

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</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>2400-2500</td>
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<td></td>
</tr>
<tr>
<td>Teaching Fellowship (3)</td>
<td>2700-3100</td>
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</tr>
<tr>
<td>Teaching Assistantship (75)</td>
<td>2300-3000</td>
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<tr>
<td>Research Assistantship (5)</td>
<td>2000-2300</td>
<td>9</td>
<td>&quot;</td>
<td></td>
</tr>
</tbody>
</table>

KENTUCKY

University of Kentucky

LEXINGTON, KENTUCKY 40506
W. C. Royster, Chairman
Department of Mathematics
Applications must be filed by February 15, 1967

Ph.D. Degrees awarded during last three years by field of specialization: Geometry and Topology, 1; Analysis and Functional Analysis, 4. TOTAL: 5

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</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 (25)</td>
<td>2400-3400</td>
<td>10-12</td>
<td>$140/sem.</td>
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<tr>
<td>Teaching Assistantship (60)</td>
<td>2600-3000</td>
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</tr>
<tr>
<td>Research Assistantship (5)</td>
<td>2400-2800</td>
<td>10</td>
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</tr>
<tr>
<td>Scholarship (5)</td>
<td>2400-2800</td>
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LOUISIANA

Louisiana Polytechnic Institute

RUSTON, LOUISIANA 71270
W. B. Temple, Head
Department of Mathematics
Applications must be filed by March 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</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 (12)</td>
<td>500-3000</td>
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</table>

Louisiana State University

BATON ROUGE, LOUISIANA 70803
L. I. Wade, Chairman
Department of Mathematics
Applications must be filed by March 1, 1967

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, 6. TOTAL: 16

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</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>3600</td>
<td>12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (50)</td>
<td>3600</td>
<td>11</td>
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<td></td>
</tr>
<tr>
<td>Research Assistantship (5)</td>
<td>3600</td>
<td>11</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NASA (7)</td>
<td>2400-3600</td>
<td>9-12</td>
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</tr>
<tr>
<td>NDEA (6)</td>
<td>2400-3600</td>
<td>9-12</td>
<td></td>
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</tr>
<tr>
<td>NSF Trainees (4)</td>
<td>2400-3600</td>
<td>9-12</td>
<td></td>
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</tr>
</tbody>
</table>
McNeese State College
LAKE CHARLES, LOUISIANA 70601
Patrick L. Ford, Head
Department of Mathematics
Applications must be filed by July 1, 1967

Stipend

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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</thead>
<tbody>
<tr>
<td>Graduate Assistantship (6)</td>
<td>1200-2400</td>
<td>$75</td>
<td>3-6</td>
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</table>

Northeast Louisiana College
MONROE, LOUISIANA 71201
Dale R. Bedgood, Head
Department of Mathematics
Applications must be filed by April 1, 1967

Stipend

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tr>
<td>Teaching Assistantship (15)</td>
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<tr>
<td>Research Assistantship (2)</td>
<td>2400</td>
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<td>12-15</td>
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<tr>
<td>Laboratory Assistantship (4)</td>
<td>2400</td>
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<td>12-15</td>
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Northwestern State College
NATCHITOCHES, LOUISIANA 71457
Sam W. Shelton, Chairman
Department of Mathematics
Applications must be filed by May 1, 1967

Stipend

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tbody>
<tr>
<td>Teaching Assistantship (15)</td>
<td>1200-2400</td>
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<td>3 or 6</td>
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Southeastern Louisiana College
HAMMOND, LOUISIANA 70402
Robert C. Brown, Head
Department of Mathematics

Stipend

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (5)</td>
<td>2400</td>
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</table>

Tulane University of Louisiana
NEW ORLEANS, LOUISIANA 70118
Gail S. Young, Chairman
Department of Mathematics
Applications must be filed by February 1, 1967

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, 5. TOTAL: 15

Stipend

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (NSF, NDEA) (8)</td>
<td>2000-2800</td>
<td>Remitted</td>
<td>6</td>
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<tr>
<td>Teaching Assistantship (17)</td>
<td>2400-2800</td>
<td>Waived</td>
<td>10</td>
</tr>
<tr>
<td>Research Assistantship (10)</td>
<td>2400-2800</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NSF Trainee (6)</td>
<td>2000-2600</td>
<td>Remitted</td>
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</tr>
<tr>
<td>NASA (4)</td>
<td>2400-3000</td>
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</table>

University of Southwestern Louisiana
LAFAYETTE, LOUISIANA 70506
Z. L. Loflin, Chairman
Department of Mathematics
Applications must be filed by March 1, 1967

Stipend

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Fellowship (10)</td>
<td>2000-2400</td>
<td>Waived</td>
<td>6</td>
</tr>
</tbody>
</table>
University of Maine

ORONO, MAINE 04473
S. H. Kimball, Chairman
Department of Mathematics

Applications must be filed by February 15, 1967

Type of financial assistance (with number anticipated in 1967-1968) | Amount (dollars) | Tuition, if not included in stipend | Service Required
--- | --- | --- | ---
Teaching Assistantship (5) | 2200 | 9 | 6
NSF Traineeship (2) | 2400 | 9 |

MAINE

Johns Hopkins University

BALTIMORE, MARYLAND 21218
Philip Hartman, Chairman
Department of Mathematics

Applications must be filed by February 15, 1967

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

Type of financial assistance (with number anticipated in 1967-1968) | Amount (dollars) | Tuition, if not included in stipend | Service Required
--- | --- | --- | ---
Fellowship (7) | 1800-2400 | 9-12 | 4-6
Teaching Assistantship ** (25) | 1350-2050 | 9 | Teaching
Research Assistantship (6) | 500-2000 | 9-12 |
Scholarship (6) | | | Research

** Teaching assistants can also hold Research Assistantships.

Johns Hopkins University

BALTIMORE, MARYLAND 21218
Geoffrey S. Watson, Chairman
Department of Statistics

Applications must be filed by February 1, 1967

Ph.D. Degrees awarded during last three years by field of specialization: Probability and Statistics, 2.

Type of financial assistance (with number anticipated in 1967-1968) | Amount (dollars) | Tuition, if not included in stipend | Service Required
--- | --- | --- | ---
Fellowship (7) | 2400-2800 | 9 | 36 Research (Summer)
Research Assistantship (4) | 3600**-4000 | 12 |

** This includes 100% of Research during the summer months.

University of Maryland

COLLEGE PARK, MARYLAND 20740
L. W. Cohen, Chairman
Department of Mathematics

Applications must be filed by March 15, 1967

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, 22; Computer Science and Numerical Analysis, 1; Applied Mathematics, 2. TOTAL: 30

Type of financial assistance (with number anticipated in 1967-1968) | Amount (dollars) | Tuition, if not included in stipend | Service Required
--- | --- | --- | ---
Fellowship (18) | 2600 | 9 | 6
Teaching Assistantship (140) | 2600 | 9 |
Research Assistantship (5) | 2800 | 9 | $24/cr.hr.
### University of Maryland

**COLLEGE PARK, MARYLAND 20740**  
William F. Atchison  
Computer Science Center

Applications must be filed by March 15, 1967

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, 22; Computer Science and Numerical Analysis, 1; Applied Mathematics, 2.  **TOTAL: 30**

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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>Teaching Assistantship (5)</td>
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<td>6</td>
<td>Teaching</td>
</tr>
<tr>
<td>Research Assistantship (12)</td>
<td>2600</td>
<td>9</td>
<td>20</td>
<td>Programming and Research</td>
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<tr>
<td>NASA Traineeship (1)</td>
<td>2400-3400</td>
<td>12</td>
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</table>

### University of Maryland

**COLLEGE PARK, MARYLAND 20740**  
M. H. Martin, Chairman  
Institute for Fluid Dynamics and Applied Mathematics

Applications must be filed by March 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance with number anticipated in 1967-1968</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>Research Assistantship (12)</td>
<td>2900-3100</td>
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<td>20</td>
<td>Research</td>
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<tr>
<td>NASA Trainee (1)</td>
<td>2400-3400</td>
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<td></td>
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</tr>
<tr>
<td>NSF Trainees (2)</td>
<td>2600</td>
<td>9</td>
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</table>

### MASSACHUSETTS

**Boston College**

**CHESTNUT HILL, MASSACHUSETTS 02167**  
Joseph A. Sullivan, Head  
Department of Mathematics

Applications must be filed by February 15, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance with number anticipated in 1967-1968</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 (1)</td>
<td>2400-2600</td>
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<td>6</td>
<td>Teaching</td>
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<tr>
<td>Teaching Fellowship (13)</td>
<td>2100-2300</td>
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<td>12</td>
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<td>Teaching Assistantship (3)</td>
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</table>

### Boston University

**BOSTON, MASSACHUSETTS 02115**  
Francis Scheid, Chairman  
Department of Mathematics

Applications must be filed by February 15, 1967

Ph.D. Degrees awarded during last three years by field of specialization:  
Algebra and Number Theory, 1;  
Analysis and Functional Analysis, 1; Probability and Statistics, 1; Computer Science and Numerical Analysis, 3.  **TOTAL: 6**

<table>
<thead>
<tr>
<th>Type of financial assistance with number anticipated in 1967-1968</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 (1)</td>
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<td>6-9</td>
<td>Teaching</td>
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<tr>
<td>Teaching Fellowship (16)</td>
<td>2000-3000</td>
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<td>15</td>
<td>Various</td>
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<tr>
<td>Teaching Assistantship (2)</td>
<td>Tuition</td>
<td>9</td>
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</table>
**Brandeis University**

WALTHAM, MASSACHUSETTS 02154

R. S. Palais, Chairman
Department of Mathematics

Applications must be filed by March 1, 1967

Ph. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 9; Geometry and Topology, 2; Analysis and Functional Analysis, 4. TOTAL: 15

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (16)</td>
<td>2000–3500</td>
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<td>3</td>
</tr>
<tr>
<td>Teaching Fellowship (6)</td>
<td>2000–2400</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>Teaching Assistantship** (24)</td>
<td>600–1300</td>
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<tr>
<td>Research Assistantship** (19)</td>
<td>1100</td>
<td>9</td>
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<tr>
<td>Scholarship (25–30)</td>
<td>250–1900</td>
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</tbody>
</table>

** Often held jointly.

**Clark University**

WORCESTER, MASSACHUSETTS 01610

Seymour Hayden, Chairman
Department of Mathematics

Applications must be filed by February 20, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</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 (6)</td>
<td>2400**</td>
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<td>8–10</td>
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<td>Teaching Fellowship (7)</td>
<td>2200</td>
<td>9</td>
<td>4–5</td>
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<tr>
<td>Research Assistantship (1)</td>
<td>2200</td>
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<td>Half-time</td>
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<tr>
<td>Scholarship (2)</td>
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<td>Computer Fellowship (2)</td>
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<tr>
<td>Computer Fellowship (2) (Summer)</td>
<td>1200</td>
<td>Summer</td>
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</table>

** Plus dependency allowance.

**Harvard University**

CAMBRIDGE, MASSACHUSETTS 02138

Andrew M. Gleason, Chairman
Department of Mathematics

Applications must be filed by December 1, 1966

Ph. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 11; Geometry and Topology, 3; Logic, 1; Analysis and Functional Analysis, 13. TOTAL: 28

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tr>
<td>Teaching Fellowship** (20)</td>
<td>1500–3000</td>
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<td>$300</td>
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<td>Teaching Fellowships*** (10)</td>
<td>1100–2200</td>
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<td>$1360#</td>
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<tr>
<td>Research Assistantship*** (8)</td>
<td>1500–3000</td>
<td>9</td>
<td>$300</td>
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<tr>
<td>Scholarship (15)</td>
<td>Varies according to need</td>
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</tbody>
</table>

# (52)

** Advanced Graduate Students who have passed requirements.

*** Second year Graduate Students.

**** Advanced Graduate Students.

# For 3 courses, 920 for 2 courses.

## Includes NSF, WW, Foreign Government and Industry.
Harvard University
CAMBRIDGE, MASSACHUSETTS 02138
Frederick Mosteller, Chairman
Department of Statistics
Applications must be filed by December 1, 1966

Ph.D. Degrees awarded during last three years by field of specialization: Probability and Statistics, 14.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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 (10)</td>
<td>440-600</td>
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<td>Varies</td>
<td>1/5 Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (2)</td>
<td>300-500</td>
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<tr>
<td>Research Assistantship (6)</td>
<td>500/mo.</td>
<td>9</td>
<td>&quot;</td>
<td>3/5 Research</td>
</tr>
<tr>
<td>Scholarship (10)</td>
<td>1000-3000</td>
<td>9</td>
<td>&quot;</td>
<td>None</td>
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</tbody>
</table>

Harvard University
CAMBRIDGE, MASSACHUSETTS 02138
George F. Carrier
Committee on Applied Mathematics
Applications must be filed by December 1, 1966 for scholarships and by February 1, 1967 for other forms of financial aid.

Ph.D. Degrees awarded during last three years by field of specialization: Applied Mathematics, 9.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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 (60 offers)#</td>
<td>2000-4500</td>
<td>9</td>
<td>$2000</td>
<td>10 Teaching</td>
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<tr>
<td>Teaching Fellowship (45)</td>
<td>1100-1500</td>
<td>9</td>
<td>Tuition Waiver</td>
<td>10 Grading</td>
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<tr>
<td>Teaching Assistantship (5)</td>
<td>1000</td>
<td>9</td>
<td>Varies according to number of courses taken</td>
<td>None</td>
</tr>
<tr>
<td>Research Assistantship (90)</td>
<td>1200-3750</td>
<td>12</td>
<td>Varies</td>
<td>10-20 Research</td>
</tr>
<tr>
<td>Scholarship# (See Fellowship)</td>
<td>Varies according to amounts set by sponsoring agency.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NSF Traineeships (21)</td>
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<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

** We do not divide our financial assistance into special mathematical fields.

# Used interchangeably.

Harvard University
CAMBRIDGE, MASSACHUSETTS 02138
Harvey Brooks, Chairman
Division of Engineering and Applied Physics
Applications for scholarships and fellowships must be filed by December 1, 1966, and for other forms of financial aid by February 1, 1967.

Ph.D. Degrees awarded during last three years by field of specialization: Logic, 4; Computer Science and Numerical Analysis, 8; Applied Mathematics, 8. TOTAL: 20

Harvard University has two areas in which a degree in Applied Mathematics may be pursued, the Committee on Applied Mathematics and the Division of Engineering and Applied Physics. Assistantships and Fellowships listed above under the Committee on Applied Mathematics apply to both departments.

Lowell Technological Institute
LOWELL, MASSACHUSETTS 01854
John A. Riley, Head
Department of Mathematics
Applications must be filed by April 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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>
<td>3040</td>
<td>9</td>
<td>$200**</td>
<td>16 maximum Teaching, Assistant, Grading</td>
</tr>
</tbody>
</table>

** For residents of the Commonwealth; $600 for nonresidents.
Massachusetts Institute of Technology

CAMBRIDGE, MASSACHUSETTS 02139

W. T. Martin, Chairman
Department of Mathematics
Applications must be filed by February 15, 1967

Ph. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 12; Geometry and Topology, 12; Logic, 7; Analysis and Functional Analysis, 17; Probability and Statistics, 9; Computer Science and Numerical Analysis, 7; Applied Mathematics, 10; Linguistics, 1. TOTAL: 75

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (48)</td>
<td>1800-2100</td>
<td>Scholarship</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2400-2800</td>
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<td></td>
</tr>
<tr>
<td>Teaching Assistantship (38)</td>
<td>2628</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (12)</td>
<td>4194</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NSF Traineeship (6)</td>
<td>1800-2100</td>
<td>Scholarship</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2400-2800</td>
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<tr>
<td>NASA Traineeship (5)</td>
<td>1800-2100</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2400-2800</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NDEA Fellowships (applied for) (10)</td>
<td>2000-2400</td>
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<tr>
<td></td>
<td>2400-2800</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Northeastern University

BOSTON, MASSACHUSETTS 02115

Harold L. Stubbs, Chairman
Department of Mathematics
Applications must be filed by March 1, 1967

Ph. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 12; Geometry and Topology, 12; Logic, 7; Analysis and Functional Analysis, 17; Probability and Statistics, 9; Computer Science and Numerical Analysis, 7; Applied Mathematics, 10; Linguistics, 1. TOTAL: 75

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (4)</td>
<td>2400-2600</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (15)</td>
<td>2400-2600</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (4)</td>
<td>2400-2600</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Co-operative Plan Employment (12)</td>
<td>Open</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

University of Massachusetts

AMHERST, MASSACHUSETTS 01003

W. L. Strother, Chairman
Department of Mathematics
Applications for fellowships must be filed by March 15, 1967 and for assistantships by April 15, 1967

Ph. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 1 (Our Doctoral program is one year old.)

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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>2500</td>
<td>Waived</td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (45)</td>
<td>2000-3000</td>
<td></td>
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</tr>
<tr>
<td>Research Assistantship (20)</td>
<td>2400-3000</td>
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<td></td>
</tr>
<tr>
<td>Scholarship (60)</td>
<td>100-1000</td>
<td></td>
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</tr>
<tr>
<td>Readers (36)</td>
<td>300</td>
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</tr>
</tbody>
</table>

Worcester Polytechnic Institute

WORCESTER, MASSACHUSETTS 01609

Elliott L. Buell, Head
Department of Mathematics
Applications must be filed by March 1, 1967 (for preference)

Ph. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 12; Geometry and Topology, 12; Logic, 7; Analysis and Functional Analysis, 17; Probability and Statistics, 9; Computer Science and Numerical Analysis, 7; Applied Mathematics, 10; Linguistics, 1. TOTAL: 75

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduate Assistantship in Math.,(3)</td>
<td>2400</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graduate Assistantship (Computation Facility) (2)</td>
<td>2400</td>
<td></td>
<td></td>
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<tr>
<td>Graduate Assistantship in Math.,(3)</td>
<td>2400</td>
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</tr>
<tr>
<td>Graduate Assistantship (Computation Facility) (2)</td>
<td>2400</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Andrews University
BERRIEN SPRINGS, MICHIGAN 49104
Edward J. Specht, Chairman
Department of Mathematics
Applications must be filed by April 15, 1967

Type of financial assistance (with number anticipated in 1967-1968) Stipend
Teaching Assistantship (3) $900 9
Scholarship (3) None 9

Central Michigan University
MT. PLEASANT, MICHIGAN 48858
Edward H. Whitmore, Chairman
Department of Mathematics
Applications must be filed by March 1, 1967

Type of financial assistance (with number anticipated in 1967-1968) Stipend
Teaching Assistantship (3) $1800-2000 9
Computing Lab. Assistant (2) About 1400 9

Eastern Michigan University
YPSILANTI, MICHIGAN 48197
Robert S. Pate, Head
Department of Mathematics
Applications must be filed by March 1, 1967

Type of financial assistance (with number anticipated in 1967-1968) Stipend
Teaching Assistantship (6) $2700 9
Research Assistantship (2) About 1400 9

Michigan State University
EAST LANSING, MICHIGAN 48823
Charles P. Wells, Chairman
Department of Mathematics
Applications must be filed by March 1, 1967

Ph.D. Degrees awarded during last three years by field of specialization:
Algebra and Number Theory, 6; Geometry and Topology, 5; Computer Science and Numerical Analysis, 1; Applied Mathematics, 1;
Graph Theory, 2. TOTAL: 14

Type of financial assistance (with number anticipated in 1967-1968) Stipend
Fellowship (25) $2000-4400 9-12 $358 6 Teaching
Teaching Fellowship (8) 2400-3400 9-12 " 6 Teaching
Teaching Assistantship (130) 2400-3000 9 " 6 Teaching
Research Assistantship (6) 2400-3000 9 " 6 Research
Scholarship (4) 500 9 "

Michigan State University
EAST LANSING, MICHIGAN 48823
K. J. Arnold, Acting Chairman
Department of Statistics and Probability
Applications must be filed by March 13, 1967

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

Type of financial assistance (with number anticipated in 1967-1968) Stipend
Fellowship (6) 200-277.84 9 $119.50 4 Teaching
Teaching Assistantship (24) 270-320 9 " 4 Teaching
Research Assistantship (7) 270-340 9 " 4 Research
<table>
<thead>
<tr>
<th>University</th>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Stipend 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>Oakland University</td>
<td>Teaching Assistantship (8)</td>
<td>2400-3600 9-12 mo.</td>
<td>$189</td>
<td>6</td>
<td>Teaching</td>
</tr>
<tr>
<td>University of Detroit</td>
<td>Fellowship (55)**</td>
<td>1400-3000 9 or 12 mo.</td>
<td>Usually None</td>
<td>4-6</td>
<td>Full-time Study or research</td>
</tr>
<tr>
<td></td>
<td>Teaching Fellowship (110)***</td>
<td>1733-3420 9</td>
<td>$310-380</td>
<td>4-12</td>
<td>Teaching</td>
</tr>
<tr>
<td></td>
<td>Teaching Assistantship (40)</td>
<td>400-1200 9</td>
<td>380-1100</td>
<td>4-12</td>
<td>Assisting</td>
</tr>
<tr>
<td></td>
<td>Research Assistantship (10)</td>
<td>2280-3320 9</td>
<td>310-1100</td>
<td>Full-time</td>
<td>Study or research</td>
</tr>
<tr>
<td></td>
<td>Fellowship (4)</td>
<td>2400-3500 9</td>
<td>$112/12 hrs.</td>
<td>6</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>Research Assistantship (10)</td>
<td>2400 9</td>
<td></td>
<td>20</td>
<td>Computer Center</td>
</tr>
<tr>
<td></td>
<td>Computer Lab. Assistantship (5)</td>
<td>2400 9</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>University of Michigan</td>
<td>Fellowship (65)**</td>
<td>1400-3000 9 or 12 mo.</td>
<td>Usually None</td>
<td>4-6</td>
<td>Full-time Study or research</td>
</tr>
<tr>
<td></td>
<td>Teaching Fellowship (110)***</td>
<td>1733-3420 9</td>
<td>$310-380</td>
<td>4-12</td>
<td>Teaching</td>
</tr>
<tr>
<td></td>
<td>Teaching Assistantship (40)</td>
<td>400-1200 9</td>
<td>380-1100</td>
<td>4-12</td>
<td>Assisting</td>
</tr>
<tr>
<td></td>
<td>Research Assistantship (10)</td>
<td>2280-3320 9</td>
<td>310-1100</td>
<td>Full-time</td>
<td>Study or research</td>
</tr>
<tr>
<td></td>
<td>Fellowship (4)</td>
<td>2400-3500 9</td>
<td>$112/12 hrs.</td>
<td>6</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>Research Assistantship (10)</td>
<td>2400 9</td>
<td></td>
<td>20</td>
<td>Computer Center</td>
</tr>
<tr>
<td></td>
<td>Computer Lab. Assistantship (5)</td>
<td>2400 9</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wayne State University</td>
<td>Type of financial assistance (with number anticipated in 1967-1968)</td>
<td>Stipend Amount (dollars)</td>
<td>Tuition, if not included in stipend</td>
<td>Service Required Hrs/Week</td>
<td>Type</td>
</tr>
<tr>
<td></td>
<td>Teaching Assistantship (75)</td>
<td>2700-3800 9</td>
<td>$112/12 hrs.</td>
<td>6</td>
<td>None</td>
</tr>
<tr>
<td>Western Michigan University</td>
<td>Fellowship (4)</td>
<td>2400-3500 9</td>
<td>$112/12 hrs.</td>
<td>6</td>
<td>Teaching</td>
</tr>
<tr>
<td></td>
<td>Research Assistantship (10)</td>
<td>2400 9</td>
<td></td>
<td>20</td>
<td>Computer Center</td>
</tr>
<tr>
<td></td>
<td>Computer Lab. Assistantship (5)</td>
<td>2400 9</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
University of Minnesota

MINNEAPOLIS, MINNESOTA 55455
Steven Orey, Head
Department of Mathematics
Applications must be filed by February 15, 1967

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, 15; Probability, 1; Applied Mathematics, 3; TOTAL: 25

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Stipend Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required Hrs/Week Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (25)</td>
<td>2400-3500 9 or 12</td>
<td>$312</td>
<td>5-7 Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (90)</td>
<td>2400-9000 9 or 12</td>
<td>$312</td>
<td>5-7 Teaching</td>
</tr>
<tr>
<td>Research Assistantship (20)</td>
<td>2400 9</td>
<td>$312</td>
<td>5-7 Teaching</td>
</tr>
<tr>
<td>Teaching Associateship (30)</td>
<td>2646 9</td>
<td>$312</td>
<td>5-7 Teaching</td>
</tr>
<tr>
<td>Research Assistantship in Numerical Analysis Center (30)</td>
<td>2484 9</td>
<td>$312</td>
<td>Comparable to teaching assistships</td>
</tr>
</tbody>
</table>

University of Minnesota

MINNEAPOLIS, MINNESOTA 55455
B. W. Lindgren, Chairman
Department of Statistics
Applications must be filed by March 15, 1967

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 1967-1968)</th>
<th>Stipend Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required Hrs/Week Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (8)</td>
<td>2400-2800 12</td>
<td>$312</td>
<td>12 Teach, Grade, Consult</td>
</tr>
<tr>
<td>Research Assistantship (6)</td>
<td>2322 9</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Mississippi State University

STATE COLLEGE, MISSISSIPPI 39762
Roy D. Sheffield
Department of Mathematics
Applications must be filed by March 1, 1967

New Ph.D. program, no degrees given yet.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Stipend Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required Hrs/Week Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (3)</td>
<td>2400-2600 12</td>
<td>None</td>
<td>3-6 Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (12)</td>
<td>1200-2400 9</td>
<td>$174/sem.</td>
<td></td>
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</tbody>
</table>

University of Mississippi

UNIVERSITY, MISSISSIPPI 38677
T. A. Bickerstaff, Chairman
Department of Mathematics
Applications must be filed by February 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Stipend Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required Hrs/Week Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (5)</td>
<td>1500-2600 9</td>
<td></td>
<td>3-6 Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (21)</td>
<td>1200-3000 9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (2)</td>
<td>2000-2400 9</td>
<td></td>
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</tbody>
</table>

MISSISSIPPI

NUMBER OF DEGREES AWARDED IN 1966
Baccalaureate Degrees by Institution: 4211*
Baccalaureate Degrees by Department: 9 or 12 mo.
Tuition, if not included in stipend: $312
Service Required Hrs/Week Type
Teach, Grade, Consult Research
University of Southern Mississippi

HATTIESBURG, MISSISSIPPI 39401
Ed Kelly, Jr., Chairman
Department of Mathematics

Applications must be filed by March 15, 1967

Type of financial assistance (with number anticipated in 1967-1968)

<table>
<thead>
<tr>
<th>Stipend Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend $86/qtr. for 12 qtr. hr. or more</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Fellowship ** (15)</td>
<td>1000 9</td>
<td>9 or 12 mo.</td>
</tr>
<tr>
<td>Teaching Assistantship*** (Unlimited)</td>
<td>2400 12</td>
<td>9 or 12 mo.</td>
</tr>
<tr>
<td>NSF Cooperative Fellowship (5 or 6)</td>
<td>2400 12</td>
<td>9 or 12 mo.</td>
</tr>
</tbody>
</table>

** Out-of-state tuition waived.
*** May be combined with fellowship to yield 1/2 time (8 qtr. hrs.) teaching stipend of $1750 for 9 months.

MISSOURI

Northeast Missouri State Teachers College
KIRKSVILLE, MISSOURI 63501
Dale Woods, Head
Department of Mathematics

Type of financial assistance (with number anticipated in 1967-1968)

<table>
<thead>
<tr>
<th>Stipend Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (4)</td>
<td>1200 9</td>
<td>$120</td>
</tr>
</tbody>
</table>

St. Louis University
ST. LOUIS, MISSOURI 63103
Francis Regan, Chairman
Department of Mathematics

Applications must be filed by February 15, 1967

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

<table>
<thead>
<tr>
<th>Stipend Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Fellowship (14)</td>
<td>2500 9</td>
<td>None</td>
</tr>
<tr>
<td>Teaching Assistantship (4)</td>
<td>3200 9</td>
<td>None</td>
</tr>
</tbody>
</table>

| Teaching Assistantship (7) | 2800-3040 9 | None**                           |
| Research Assistantship (7) | 2800-3040 9 | None**                           |

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

University of Missouri
COLUMBIA, MISSOURI 65202
W. R. Utz, Chairman
Department of Mathematics

Applications must be filed by March 1, 1967 for fellowships and April 1, 1967 for assistantships

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, 3. TOTAL: 7

<table>
<thead>
<tr>
<th>Stipend Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (6)</td>
<td>2400 (plus 400 per dependent) 12</td>
<td>None**</td>
</tr>
<tr>
<td>Teaching Assistantship (70)</td>
<td>2800-3040 9</td>
<td>None**</td>
</tr>
<tr>
<td>Research Assistantship (7)</td>
<td>2800-3040 9</td>
<td>None**</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 March 1, 1967

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, 3; Probability and Statistics, 2. TOTAL: 9

<table>
<thead>
<tr>
<th>Type of financial assistance</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship</td>
<td>2000-2800</td>
<td>9-12</td>
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<tr>
<td>Teaching Assistantship</td>
<td>2500-2800</td>
<td>9</td>
<td>1/2 Time</td>
</tr>
<tr>
<td>Research Assistantship</td>
<td>3300-3900</td>
<td>11</td>
<td>Full-time-summer</td>
</tr>
<tr>
<td>Statistical Consultant</td>
<td>2800</td>
<td>9</td>
<td>Consulting</td>
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</tbody>
</table>

Stipend

** University charges fee of about $175/sem.

University of Missouri

KANSAS CITY, MISSOURI 64110
Paul Liebnitz, Chairman
Department of Mathematics
Applications must be filed by March 31, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship</td>
<td>2290-2340</td>
<td>9</td>
<td>12</td>
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</table>

Stipend

Note: All awards carry additional sums for dependents. In most cases students may earn up to $500 in addition each 12 month period.

University of Missouri at Rolla

ROLLA, MISSOURI 65401
Charles E. Antle, Chairman
Department of Mathematics
Applications must be filed by March 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance</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</td>
<td>2400-3000</td>
<td>9</td>
<td>6</td>
</tr>
</tbody>
</table>

Stipend

Washington University

ST. LOUIS, MISSOURI 63130
I. I. Hirschman, Jr., Chairman
Department of Mathematics
Applications must be filed by April 15, 1967

Ph.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 3; Geometry and Topology, 3; Analysis and Functional Analysis, 6. TOTAL: 12

<table>
<thead>
<tr>
<th>Type of financial assistance</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship</td>
<td>2300-2800</td>
<td>9 or 12</td>
<td>6</td>
</tr>
<tr>
<td>Teaching Assistantship</td>
<td>2300-2800</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Research Assistantship</td>
<td>2300-2800</td>
<td>9</td>
<td></td>
</tr>
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</table>

Stipend

Note: All awards carry additional sums for dependents. In most cases students may earn up to $500 in addition each 12 month period.
Montana State University  

BOZEMAN, MONTANA 59715  
J. Eldon Whitesitt, Head  
Department of Mathematics  

Applications must be filed by February 1, 1967  

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

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</th>
<th>Stipend</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 (14)</td>
<td>2200–2400</td>
<td>9</td>
<td>$41/qtr.</td>
<td>7–8</td>
<td>Teaching</td>
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<tr>
<td>Traineeship (3)</td>
<td>2400</td>
<td>9</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

University of Montana  

MISSOULA, MONTANA 59801  
William M. Myers, Chairman  
Department of Mathematics  

Applications must be filed by March 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</th>
<th>Stipend</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 (4)</td>
<td>2400–3400</td>
<td>12</td>
<td>None</td>
<td>Teaching</td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (15)</td>
<td>2600</td>
<td>9</td>
<td>$30–state residents; 5</td>
<td>Teaching</td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (2)</td>
<td>2600</td>
<td>9</td>
<td>$60–out–of–state residents</td>
<td>Research</td>
<td></td>
</tr>
</tbody>
</table>

Creighton University  

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

Applications must be filed 6 months previous to date student wishes to enroll

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</th>
<th>Stipend</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 Fellowship (5)</td>
<td>2000–2200</td>
<td>9</td>
<td>Remitted</td>
<td>Teaching</td>
<td></td>
</tr>
</tbody>
</table>

Kearney State College  

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

Applications must be filed by February 15, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</th>
<th>Stipend</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>Teaching Assistantship (25–40)</td>
<td>2000</td>
<td>9</td>
<td>6 sem. hrs.</td>
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</tbody>
</table>

University of Nebraska  

LINCOLN, NEBRASKA 68508  
Edwin Halfar, Chairman  
Department of Mathematics  

Applications must be filed by February 15, 1967

Ph.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 5; Logic, 2; Analysis and Functional Analysis, 4; Probability and Statistics, 2. TOTAL: 13

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</th>
<th>Stipend</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 (6)</td>
<td>2200–2600</td>
<td>9</td>
<td>$130</td>
<td>4–6</td>
<td>Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (30)</td>
<td>2300–2800</td>
<td>9</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (2)</td>
<td>2300</td>
<td>9</td>
<td>15</td>
<td>Research</td>
<td></td>
</tr>
</tbody>
</table>
University of Omaha

OMAHA, NEBRASKA 68101
H. L. Hunzeker, Chairman
Department of Mathematics
Applications must be filed by April 1, 1967

Type of financial assistance (with number anticipated in 1967-1968)

<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 (6)</td>
<td>2000</td>
<td>9</td>
<td>15</td>
</tr>
</tbody>
</table>

Applications must be filed by April 1, 1967

University of Nevada

RENO, NEVADA 89507
E. M. Beesley, Chairman
Department of Mathematics
Applications must be filed by March 15, 1967

Type of financial assistance (with number anticipated in 1967-1968)

<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 (1)</td>
<td>2300-2500</td>
<td>9</td>
<td>15</td>
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<tr>
<td>Teaching Assistantship (5)</td>
<td>2300-2500</td>
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<td>15</td>
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Applications must be filed by March 15, 1967

Dartmouth College

HANOVER, NEW HAMPSHIRE 03755
John G. Kemeny, Chairman
Department of Mathematics
Applications must be filed by March 1, 1967

Ph.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 2; Logic, 1; Analysis and Functional Analysis, 1; Probability and Statistics, 2. TOTAL: 6

Type of financial assistance (with number anticipated in 1967-1968)

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tr>
<td>Teaching Fellowship (5)</td>
<td>1900-2500</td>
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University of New Hampshire

DURHAM, NEW HAMPSHIRE 03824
M. Evans Munroe, Chairman
Department of Mathematics
Applications must be filed by February 15, 1967

Type of financial assistance (with number anticipated in 1967-1968)

<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 (5)</td>
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<td>Teaching Assistantship (10)</td>
<td>2400</td>
<td>Included</td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (2)</td>
<td>2600-2800</td>
<td>Included</td>
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</tr>
<tr>
<td>Scholarship (5)</td>
<td>Tuition Only</td>
<td>None</td>
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</tr>
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</table>

Applications must be filed by February 15, 1967

Montclair State College

MONTCLAIR, NEW JERSEY 07043
Paul C. Clifford, Chairman
Department of Mathematics
Applications must be filed by April 1, 1967

Type of financial assistance (with number anticipated in 1967-1968)

<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 (2)</td>
<td>2000</td>
<td>Included</td>
<td>6</td>
</tr>
</tbody>
</table>

Applications must be filed by April 1, 1967

NUMBER OF DEGREES AWARDED IN 1966

Baccalaureate Degrees by Institution: 1625
Baccalaureate Degrees by Department: 17

Baccalaureate Degrees by Institution: 444
Baccalaureate Degrees by Department: 18
Master's Degrees by Department: 2

Baccalaureate Degrees by Institution: 770
Baccalaureate Degrees by Department: 21
Master's Degrees by Department: 7

Baccalaureate Degrees by Institution: 731
Baccalaureate Degrees by Department: 25
Master's Degrees by Department: 20

Baccalaureate Degrees by Institution: 750
Baccalaureate Degrees by Department: 97
Master's Degrees by Department: 22

Assistant to Instructor
Newark College of Engineering

NEWARK, NEW JERSEY 07102
Henry Zatzkis, Chairman
Department of Mathematics

Applications must be filed by March 1, 1967

Type of financial assistance (with number anticipated in 1967-1968)

<table>
<thead>
<tr>
<th>Amount</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>Hrs/Week</td>
</tr>
<tr>
<td>Teaching Assistantship (3-4)</td>
<td>6684</td>
<td>9</td>
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</tbody>
</table>

Note: No graduate work is available at Newark College of Engineering but teaching assistantships are offered to students who wish to pursue a program of graduate study at an institution in the area. Tuition will depend upon the school selected for graduate work in mathematics.

Princeton University

PRINCETON, NEW JERSEY O8540
Gilbert A. Hunt, Chairman
Department of Mathematics

Applications must be filed by January 15, 1967

Ph.D. Degrees awarded during last three years by field of specialization:
- Algebra and Number Theory, 3;
- Geometry and Topology, 15;
- Logic, 4;
- Analysis and Functional Analysis, 15;
- Probability and Statistics, 7;
- Applied Mathematics, 1; Math. Phys., 1. TOTAL: 46

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Number of Degrees Awarded in 1966</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of financial assistance (with number anticipated in 1967-1968)</td>
<td>Amount</td>
</tr>
<tr>
<td>Fellowship (36)</td>
<td>1800-2100</td>
</tr>
<tr>
<td>Teaching Assistantship (12)</td>
<td>2400-2800</td>
</tr>
<tr>
<td>Research Assistantship (10)</td>
<td>3100</td>
</tr>
</tbody>
</table>

** Reduced to $725 after General Examination is passed.

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

Rutgers, The State University

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

Applications must be filed by March 1, 1967

Ph.D. Degrees awarded during last three years by field of specialization:
- Algebra and Number Theory, 4;
- Geometry and Topology, 2;
- Logic, 4;
- Analysis and Functional Analysis, 6. TOTAL: 16

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Number of Degrees Awarded in 1966</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of financial assistance (with number anticipated in 1967-1968)</td>
<td>Amount</td>
</tr>
<tr>
<td>General University Fellowship (10)**</td>
<td>2000</td>
</tr>
<tr>
<td>Teaching Assistantship (20-30)</td>
<td>2494</td>
</tr>
<tr>
<td>Research Assistantship (10-20)</td>
<td>2494</td>
</tr>
<tr>
<td>Scholarship (Open)</td>
<td>2500-3500</td>
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<tr>
<td>Special Math. Fellowship (10)</td>
<td>2500-3500</td>
</tr>
<tr>
<td>Fellowship (NDEA, NSF, NASA) (20)</td>
<td>2000-2800***</td>
</tr>
</tbody>
</table>

** Not available to 1st year students.
*** Additional allowance for dependents.
Rutgers, The State University

NEW BRUNSWICK, NEW JERSEY 08903
Elis R. Ott, Director
Department of Applied and Mathematical Statistics
Applications must be filed by March 1, 1967

Ph.D. Degrees awarded during last three years by field of specialization: Statistics, 9.

<table>
<thead>
<tr>
<th>Number of Degrees Awarded in 1966</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baccalaureate Degrees by Institution:</td>
</tr>
<tr>
<td>Baccalaureate Degrees by Department:</td>
</tr>
<tr>
<td>Master's Degrees by Department:</td>
</tr>
</tbody>
</table>

**Type of financial assistance (with number anticipated in 1967-1968)**

<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 Fellowship (12)</td>
<td>2494</td>
<td>9</td>
<td>Included</td>
<td>15</td>
</tr>
<tr>
<td>Teaching Assistantship (5)</td>
<td>1250</td>
<td>9</td>
<td>One-half</td>
<td>8</td>
</tr>
<tr>
<td>Research Assistantship (5)</td>
<td>12</td>
<td>Included</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scholarship (2)</td>
<td>12</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Russell Scholarship (2)</td>
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</tr>
</tbody>
</table>

**Seton Hall University**

SOUTH ORANGE, NEW JERSEY 07079
Joseph W. Andrushkiw, Chairman
Department of Mathematics
Applications must be filed by March 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<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 (5)</td>
<td></td>
<td>2000</td>
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<td></td>
<td>6 Teaching</td>
</tr>
</tbody>
</table>

**Stevens Institute of Technology**

HOBOKEN, NEW JERSEY 07030
Nicholas J. Rose, Head
Department of Mathematics
Applications must be filed by February 15, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<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 (12)</td>
<td></td>
<td>2400-2800</td>
<td>9 or 12</td>
<td></td>
<td>6 Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (12)</td>
<td></td>
<td>2900-3150</td>
<td>9</td>
<td></td>
<td>15 Research</td>
</tr>
<tr>
<td>Research Assistantship (8)</td>
<td></td>
<td>2900-3150</td>
<td>9 or 12</td>
<td></td>
<td></td>
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</tbody>
</table>

**Trenton State College**

TRENTON, NEW JERSEY 08625
William Hausdorffer, Chairman
Department of Mathematics
Applications must be filed by April 15, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<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></td>
<td>2000</td>
<td></td>
<td>Tuition Waived</td>
<td>15 Tutoring, assisting Research</td>
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</tbody>
</table>

**Eastern New Mexico University**

PORTALES, NEW MEXICO 88130
C. K. Wilson, Head
Department of Mathematics

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Stipend</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (12)</td>
<td></td>
<td>2494</td>
<td>9 or 12</td>
<td>Included</td>
<td>15</td>
</tr>
<tr>
<td>Teaching Assistantship (5)</td>
<td></td>
<td>1250</td>
<td>9</td>
<td>One-half</td>
<td>8</td>
</tr>
<tr>
<td>Research Assistantship (5)</td>
<td></td>
<td>12</td>
<td>Included</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scholarship (2)</td>
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<td>12</td>
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</tr>
<tr>
<td>Russell Scholarship (2)</td>
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<td></td>
</tr>
</tbody>
</table>

**NUMBER OF DEGREES AWARDED IN 1966**

| Baccalaureate Degrees by Institution: |
| Baccalaureate Degrees by Department: |
| Master's Degrees by Department: |

**Stipend**

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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 (6)</td>
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<td>1900</td>
<td>9</td>
<td>Included</td>
</tr>
</tbody>
</table>

**Seton Hall University**

SOUTH ORANGE, NEW JERSEY 07079
Joseph W. Andrushkiw, Chairman
Department of Mathematics
Applications must be filed by March 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<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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</thead>
<tbody>
<tr>
<td>Teaching Assistantship (5)</td>
<td></td>
<td>2000</td>
<td></td>
<td></td>
<td>6 Teaching</td>
</tr>
</tbody>
</table>

**Stevens Institute of Technology**

HOBOKEN, NEW JERSEY 07030
Nicholas J. Rose, Head
Department of Mathematics
Applications must be filed by February 15, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<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 (12)</td>
<td></td>
<td>2400-2800</td>
<td>9 or 12</td>
<td></td>
<td>6 Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (12)</td>
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<td>2900-3150</td>
<td>9</td>
<td></td>
<td>15 Research</td>
</tr>
<tr>
<td>Research Assistantship (8)</td>
<td></td>
<td>2900-3150</td>
<td>9 or 12</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Trenton State College**

TRENTON, NEW JERSEY 08625
William Hausdorffer, Chairman
Department of Mathematics
Applications must be filed by April 15, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<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></td>
<td>2000</td>
<td></td>
<td>Tuition Waived</td>
<td>15 Tutoring, assisting Research</td>
</tr>
</tbody>
</table>

**Eastern New Mexico University**

PORTALES, NEW MEXICO 88130
C. K. Wilson, Head
Department of Mathematics

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<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 (12)</td>
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<td>2494</td>
<td>9 or 12</td>
<td>Included</td>
<td>15</td>
</tr>
<tr>
<td>Teaching Assistantship (5)</td>
<td></td>
<td>1250</td>
<td>9</td>
<td>One-half</td>
<td>8</td>
</tr>
<tr>
<td>Research Assistantship (5)</td>
<td></td>
<td>12</td>
<td>Included</td>
<td></td>
<td></td>
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<tr>
<td>Scholarship (2)</td>
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</tr>
<tr>
<td>Russell Scholarship (2)</td>
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<td></td>
</tr>
</tbody>
</table>

**NUMBER OF DEGREES AWARDED IN 1966**

| Baccalaureate Degrees by Institution: |
| Baccalaureate Degrees by Department: |
| Master's Degrees by Department: |

**Stipend**

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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></td>
<td>1900</td>
<td>9</td>
<td>Included</td>
</tr>
</tbody>
</table>
### New Mexico Highlands University

**LAS VEGAS, NEW MEXICO 87701**  
Randall M. Conkling, Head  
Department of Mathematics  
Applications must be filed by April 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</th>
<th>Amount (dollars)</th>
<th>9 or Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research Assistantship (4)</td>
<td>1000–2000</td>
<td>12</td>
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</tr>
</tbody>
</table>

### New Mexico Institute of Mining and Technology

**SOCORRO, NEW MEXICO 88001**  
Ralph W. Ball, Acting Head  
Department of Mathematics  
Applications must be filed by March 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</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>2400–2600</td>
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<td></td>
</tr>
<tr>
<td>Teaching Assistantship (3)</td>
<td>2400–3000</td>
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<td>Research Assistantship (1)</td>
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</tr>
</tbody>
</table>

### New Mexico State University

**LAS CRUCES, NEW MEXICO 88001**  
John B. Giever, Chairman  
Department of Mathematical Sciences  
Applications must be filed by April 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</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>2200–2600</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (18)</td>
<td>2200–2400</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (10)</td>
<td>2200–2600</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Scholarship (5)</td>
<td>2200–2500</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Part-time Instructors (18)</td>
<td>2400–2600</td>
<td>9</td>
<td></td>
</tr>
</tbody>
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### University of New Mexico

**ALBUQUERQUE, NEW MEXICO 87106**  
J. R. Blum, Chairman  
Department of Mathematics and Statistics  
Applications must be filed by January 31, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</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 (15)</td>
<td>2400–2800</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (12)</td>
<td>3000</td>
<td>9</td>
<td>6–9 Teaching</td>
</tr>
<tr>
<td>Research Assistantship (10)</td>
<td>2300–3000</td>
<td>9</td>
<td>Variable</td>
</tr>
<tr>
<td>Graduate Assistantship (20)</td>
<td>2300–2500</td>
<td>9</td>
<td>6 Teaching</td>
</tr>
</tbody>
</table>

**NUMBER OF DEGREES AWARDED IN 1966**

- **Baccalaureate Degrees by Institution:** 200
- **Baccalaureate Degrees by Department:** 4
- **Master's Degrees by Department:** 1

**Ph.D. Degrees awarded during last three years by field of specialization:**  
- Algebra and Number Theory, 8;  
- Geometry and Topology, 6;  
- Analysis and Functional Analysis, 3;  
- Computer Science and Numerical Analysis, 1.  
**TOTAL:** 18
### Adelphi University

**GARDEN CITY, NEW YORK 11530**  
F. V. Pohle, Chairman  
Department of Mathematics

Applications must be filed by February 1, 1967

Ph.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 1; Analysis and Functional Analysis, 1; Computer Science and Numerical Analysis, 1; Applied Mathematics, 1; **TOTAL: 4**

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Stipend 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 (2)</td>
<td>2000</td>
<td>9</td>
<td>Remitted</td>
<td>6</td>
<td>Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (4)</td>
<td>2400</td>
<td>9</td>
<td>Remitted</td>
<td>20</td>
<td>Research</td>
</tr>
<tr>
<td>Research Assistantship (5)</td>
<td>3600-4000</td>
<td>9</td>
<td>$47/cr.</td>
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</tr>
<tr>
<td>Scholarship (Tuition) (4)</td>
<td>2400-2800</td>
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<td>Traineeship (NASA, NSF) (4)</td>
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</table>

**Plus dependent allowance.**

### Brooklyn College

**BROOKLYN, NEW YORK 11210**  
James Singer, Chairman  
Department of Mathematics

Applications must be filed by March 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1969)</th>
<th>Stipend 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>Teaching Fellowship (3)</td>
<td>2600-3600</td>
<td>9</td>
<td>$25/cr. may be waived</td>
<td>7 1/2</td>
<td>Teaching</td>
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<tr>
<td>Teaching Assistantship (5)</td>
<td>4500-7500</td>
<td>9</td>
<td></td>
<td>12</td>
<td>Teaching</td>
</tr>
</tbody>
</table>

**For further information write to**  
Professor F.V. Pohle (Chairman) Department of Mathematics  
Adelphi University, Long Island, Garden City  
New York, 11530; PI-7-2200, Code 516

---

### ADELPHI UNIVERSITY  
Garden City, N. Y. 11530

The Department of Mathematics offers work in pure and applied mathematics leading to the M.S. and Ph.D. degrees. Fields of research are: analysis, numerical analysis, differential equations, homological algebra, group theory, finite geometries, applied mathematics (fluid dynamics, celestial mechanics, elasticity, electromagnetic theory, magnetohydrodynamics).

The M.S. Degree is also offered in Applied Science. An In-Service N.S.F. Institute offers courses which lead to the M.S. for high school teachers of mathematics. A computing center is available.

Applications for graduate scholarships, assistantships and traineeships are invited. Full time graduate students have ample opportunity for close personal contact with the faculty. Living accommodations are available near the campus; Adelphi University is within easy commuting distance from New York City by car or by train (38 minutes).

*For further information write to*  
Professor F.V. Pohle (Chairman) Department of Mathematics  
Adelphi University, Long Island, Garden City  
New York, 11530; PI-7-2200, Code 516

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924
City University of New York, City College

NEW YORK, NEW YORK 10031
Gerald Freilich, Chairman
Department of Mathematics
Applications must be filed by March 1, 1967

NUMBER OF DEGREES AWARDED IN 1966
Baccalaureate Degrees by Institution: 1777
Baccalaureate Degrees by Department: 147
Master's Degrees by Department: 3

Baccalaureate Degrees by Institution:
Gerald Freilich, Chairman
Baccalaureate Degrees by Department:
Department of Mathematics
Master's Degrees by Department:

Applications must be filed by March 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Stipend 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>Teaching Fellowship (2)</td>
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<td>$750</td>
<td>6</td>
<td>Non-teaching</td>
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<tr>
<td>Teaching Assistantship (3)</td>
<td>225/mo.</td>
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<td>$750</td>
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<td>Teaching</td>
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<tr>
<td>Scholarship (3)</td>
<td>750</td>
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<td>$750</td>
<td>15-20</td>
<td>Paper grading, etc.</td>
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<tr>
<td>Non-teaching Assistantship (2)</td>
<td>3000</td>
<td>9</td>
<td>$750</td>
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</table>

City University of New York, Graduate Center

NEW YORK, NEW YORK 10036
Leo Zippin, Director
Ph.D. Program in Mathematics
Applications must be filed by February 1, 1967

Ph.D. Degrees awarded during last three years by field of specialization: Geometry and Topology, 1.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Stipend 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>
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<td>2200-2800</td>
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<td>8</td>
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<tr>
<td>Teaching Fellowship (6)</td>
<td>2400-2900</td>
<td>10</td>
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<td>6</td>
<td></td>
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<tr>
<td>Teaching Assistantship (6)</td>
<td>2000-2400</td>
<td>10</td>
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</tr>
<tr>
<td>Research Assistantship (10)</td>
<td>2700-4200</td>
<td>9-12</td>
<td>$25/cr.</td>
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<tr>
<td>Scholarship (8)</td>
<td>1000</td>
<td>9</td>
<td></td>
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<td></td>
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</tbody>
</table>

The mathematics doctoral program of the City University of New York now in its third year will by the Fall of 1967 have expanded into two complete floors of the Graduate Center Building of C.U.N.Y. This is a large structure in the center of Manhattan facing the magnificent Public Library and opposite Bryant Park Square. Most advanced students will have adequate office space and all others will have suitable carrels for study in our department library.

The student body is small enough to permit close working relations with the staff which now includes Louis Auslander, Michel Balinski, Gilbert Baumslag, Eldon Dyer, Edgar Feldman, Alex Heller, Stanley Kaplan, Elliott Mendelson, Moses Richardson, Richard Sacksteder, Robert Schatten, Fred Supnick, Leo Zippin as well as mathematicians on the research staffs of Bell Telephone and I.B.M. who serve as adjunct professors: Alan Hoffman, Alan Konheim, Henry Landau, Willard Miranker, Theodore Rivlin.

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 42 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 May 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Hrs/Week</th>
<th>Type</th>
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<tbody>
<tr>
<td>Teaching Assistantship (4)</td>
<td>2200-3000</td>
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<td></td>
<td>3-6</td>
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</table>

NUMBER OF DEGREES AWARDED IN 1966
Baccalaureate Degrees by Institution: 1500
Baccalaureate Degrees by Department: 40
Master's Degrees by Department: 5

City University of New York, Queens College

FLUSHING, NEW YORK 11367
T. Freeman Cope, Chairman
Department of Mathematics
Applications must be filed by April 3, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Hrs/Week</th>
<th>Type</th>
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<tr>
<td>Teaching Fellowship (2)</td>
<td>3054</td>
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<td>4</td>
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<td>Teaching Assistantship (2)</td>
<td>2000</td>
<td>9</td>
<td></td>
<td>4</td>
<td></td>
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NUMBER OF DEGREES AWARDED IN 1966
Baccalaureate Degrees by Institution: 1569
Baccalaureate Degrees by Department: 118
Master's Degrees by Department: 8

Clarkson College of Technology

POTSDAM, NEW YORK 13676
A. George Davis, Acting Chairman
Department of Mathematics
Applications must be filed by March 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Hrs/Week</th>
<th>Type</th>
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<tr>
<td>NSF Traineeship (1)</td>
<td>2400</td>
<td>9</td>
<td>$1700</td>
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</tr>
<tr>
<td>Teaching Assistantship (7)</td>
<td>2400-3600</td>
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NUMBER OF DEGREES AWARDED IN 1966
Baccalaureate Degrees by Institution: 344
Baccalaureate Degrees by Department: 12

Columbia University

NEW YORK, NEW YORK 10027
E. R. Kolchin, Chairman
Department of Mathematics
Applications must be filed by January 3, 1967

Ph.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 6; Geometry and Topology, 2; Analysis and Functional Analysis, 12; Applied Mathematics, 4. TOTAL: 24

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (55)</td>
<td>2250-3000</td>
<td>9-12</td>
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<td></td>
</tr>
<tr>
<td>Research Assistantship (15)</td>
<td>2250-3000</td>
<td>9-12</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NUMBER OF DEGREES AWARDED IN 1966
Ph.D. Degrees awarded during last three years by field of specialization: Probability and Statistics, 10.

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

NEW YORK, NEW YORK 10027
Mr. Myron F. Rosskopf, Chairman
Department of Mathematical Education
Applications must be filed by February 1, 1967

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

Applications must be filed by February 1, 1967

Cornell University

ITHACA, NEW YORK 14850
Alex Rosenberg, Chairman
Department of Mathematics
Applications for assistantship must be filed by January 15, 1967 and for fellowships by February 1, 1967

Applications must be filed by February 1, 1967

Fordham University

NEW YORK, NEW YORK 10468
Mr. Arthur A. Clarke, Chairman
Department of Mathematics
Applications must be filed by February 15, 1967

The Mathematics Department has begun a Ph.D. program, but no Ph.D. Degrees have been awarded to date.

Hofstra University

HEMPSTEAD, NEW YORK 11550
Mr. Gideon Peyser, Chairman
Department of Mathematics
Applications must be filed by February 15, 1967

Applications must be filed by February 15, 1967
### Long Island University

**BROOKLYN, NEW YORK 11201**
Morton J. Hellman, Chairman
Department of Mathematics

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scholarship (8)</td>
<td>$200-1580</td>
<td>$1580/yr.</td>
<td></td>
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</table>

### New York University

**NEW YORK, NEW YORK 10012**
K. O. Friedrichs, Chairman
Graduate Department of Mathematics
Courant Institute of Mathematical Sciences

Ph.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 9; Geometry and Topology, 2; Logic, 1; Analysis and Functional Analysis, 27; Probability and Statistics, 3; Computer Science and Numerical Analysis, 8; Applied Mathematics, 24; Math. History, 1. **TOTAL: 75**

### Polytechnic Institute of Brooklyn

**BROOKLYN, NEW YORK 11201**
Harry Hochstadt, Chairman
Department of Mathematics

Applications must be filed by March 1, 1967

Ph.D. Degrees awarded during last three years by field of specialization: Analysis and Functional Analysis, 6; Probability and Statistics, 2. **TOTAL: 8**

### Rensselaer Polytechnic Institute

**TROY, NEW YORK 12181**
George H. Handelman, Chairman
Department of Mathematics

Applications must be filed by February 15, 1967

Ph.D. Degrees awarded during last three years by field of specialization: Geometry and Topology, 2; Analysis and Functional Analysis, 2; Computer Science and Numerical Analysis, 1; Applied Mathematics, 4; Lattice Theory, 1; Graph Theory, 2; Math. Programming and Game Theory, 1. **TOTAL: 17**
St. John's University
JAMAICA, NEW YORK 11432
Richard C. Morgan, Chairman
Department of Mathematics
Applications must be filed by March 15, 1967

Type of financial assistance (with number anticipated in 1967-1968)
Graduate Assistantship (14) Amount: $1900-2400 Tuition, if not included in stipend: $10 Service Required: None Hrs/Week: 10 Type: General Duties

State University College at Plattsburgh
PLATTSBURGH, NEW YORK 12901
J. Perkins, Chairman
Department of Science and Mathematics
Applications must be filed by April 1, 1967

Type of financial assistance (with number anticipated in 1967-1968)
Teaching Assistantship (4) Amount: $2500 Tuition, if not included in stipend: Waived Service Required: 10 Hrs/Week: Assist in teaching Type: Teaching

State University College at Geneseo
GENESEO, NEW YORK 14454
W. A. Small, Chairman
Department of Mathematics
Applications must be filed by March 15, 1967

Type of financial assistance (with number anticipated in 1967-1968)
Teaching Assistantship (1) Amount: $2500 approx. Tuition, if not included in stipend: Waived Service Required: 10 Hrs/Week: Assist in teaching Type: Teaching

State University of New York at Albany
ALBANY, NEW YORK 12203
V. H. Larney, Chairman
Department of Mathematics
Applications must be filed by March 1, 1967

Type of financial assistance (with number anticipated in 1967-1968)
Teaching Assistantship (6) Amount: $1800 + 375 for spouse and each dependent child Tuition, if not included in stipend: $600 (exempt) Service Required: 6 Hrs/Week: Teaching Type: None

State University of New York at Binghamton
BINGHAMTON, NEW YORK 13901
Helene P. Beard, Chairman
Department of Mathematics
Applications must be filed by March 15, 1967

Type of financial assistance (with number anticipated in 1967-1968)
Teaching Assistantship (10) Amount: $1500-2250 Tuition, if not included in stipend: Service Required: 20 Hrs/Week: Type

NUMBER OF DEGREES AWARDED IN 1966
Baccalaureate Degrees by Institution: 1700
Baccalaureate Degrees by Department: 100
Master's Degrees by Department: 28

NUMBER OF DEGREES AWARDED IN 1966
Baccalaureate Degrees by Institution: 378
Baccalaureate Degrees by Department: 24
Master's Degrees by Department: 3

NUMBER OF DEGREES AWARDED IN 1966
Baccalaureate Degrees by Institution: 366
Baccalaureate Degrees by Department: 13
Master's Degrees by Department: 3

NUMBER OF DEGREES AWARDED IN 1966
Baccalaureate Degrees by Institution: 729
Baccalaureate Degrees by Department: 78
Master's Degrees by Department: 15

NUMBER OF DEGREES AWARDED IN 1966
Baccalaureate Degrees by Institution: 399
Baccalaureate Degrees by Department: 22
Master's Degrees by Department: 1
State University of New York at Buffalo

BUFFALO, NEW YORK 14222
Dov Tamari, Chairman
Department of Mathematics
Applications must be filed by March 15, 1967

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

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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>3000-10,000</td>
<td>9#</td>
<td>Var.</td>
</tr>
<tr>
<td>Teaching Fellowship** (15)</td>
<td>2400-2800</td>
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<td>4</td>
</tr>
<tr>
<td>Teaching Assistantship (50)</td>
<td>2400-3150</td>
<td>9#</td>
<td>4 Teaching</td>
</tr>
<tr>
<td>Research Assistantship (7)</td>
<td>2400-3000</td>
<td>9#</td>
<td>6 Study and Research</td>
</tr>
<tr>
<td>Scholarship (5)</td>
<td>1500-3500</td>
<td>12#</td>
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</tr>
<tr>
<td>Instructorships*** (8)</td>
<td>6000-7000</td>
<td>9#</td>
<td>6-9 Teaching</td>
</tr>
</tbody>
</table>

** For mathematics students interested in an interdisciplinary program in Theoretical Biology.
*** N.S.F. Traineeships provide $500 allowance per dependent. Additional compensation not to exceed $1000 is available.
**** For advanced Ph.D. candidates.
# Additional summer stipend of $350 - $1000 available.

State University of New York at Stony Brook

STONY BROOK, NEW YORK 11790
William C. Fox, Acting Chairman
Department of Mathematics
Applications must be filed by January 31, 1967

We expect a Ph.D. program to be inaugurated in the Fall of 1967.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
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<tr>
<td>Teaching Assistantship (30-35)</td>
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<tr>
<td>Research Assistantship (5)</td>
<td>2575</td>
<td>9</td>
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</tr>
</tbody>
</table>

** $500 for each dependent, Supplement $1000 possible.

State University of New York at Stony Brook

STONY BROOK, NEW YORK 11790
Irving Gerst, Chairman
Department of Applied Analysis
Applications must be filed by March 15, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (4)</td>
<td>2600-2700</td>
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<td>20</td>
</tr>
<tr>
<td>Research Assistantship (45)</td>
<td>2575-2900</td>
<td>9</td>
<td>Research or</td>
</tr>
<tr>
<td>NSF Traineeship (4)</td>
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<td>2 Teaching</td>
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<tr>
<td>NASA (4)</td>
<td>2400-3400</td>
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<td></td>
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</tbody>
</table>

** $500 for each dependent, Supplement $1000 possible.

Syracuse University

SYRACUSE, NEW YORK 13210
D. E. Kibbey, Chairman
Department of Mathematics
Applications must be filed by February 15, 1967

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, 7; Computer Science and Numerical Analysis, 1. TOTAL: 17

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
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<tr>
<td>Fellowship (25)</td>
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<td>6 Teaching</td>
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<tr>
<td>Teaching Assistantship (63)</td>
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<td>Research</td>
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<tr>
<td>Research Assistantship (12)</td>
<td>1000-3000</td>
<td>Either</td>
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930
University of Rochester

Applications must be filed by March 1, 1967

Leonard Gillman, Chairman
Department of Mathematics

Baccalaureate Degrees by Institution: 817
Baccalaureate Degrees by Department: 11
Master's Degrees by Department: 12

Applications must be filed by March 1, 1967

Number of Degrees Awarded in 1966

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, 5. TOTAL: 9

Type of financial assistance (with number anticipated in 1967-1968) Amount Tuition, if not Service Required
Fellowship (17) 2400-2800** 12
Teaching Assistantship (32) 2400-2800 9
Scholarship (3) Tuition 12

** Plus, in some cases, dependency allowance.
*** Hours of classroom teaching.

Yeshiva University

Applications must be filed by February 15, 1967

Number of Degrees Awarded in 1966

Ph.D. Degrees awarded during last three years by field of specialization: Geometry and Topology, 1; Logic, 2; Analysis and Functional Analysis, 10; Applied Mathematics, 1. TOTAL: 14

Type of financial assistance (with number anticipated in 1967-1968) Amount Tuition, if not Service Required
Fellowship and Traineeship (22) 2400-2800** 12
Teaching Assistantship (5) 1000-4200 12
Research Assistantship (10) 1000-2400 12
Scholarship (10) 1000-2400 9

** Up to $1000 extra for limited services.

Appalachian State Teacher's College

Applications must be filed by March 1, 1967

Number of Degrees Awarded in 1966

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

Type of financial assistance (with number anticipated in 1967-1968) Amount Tuition, if not Service Required
Teaching Fellowship (2) 1200-2400 9 $185 15-30 Teaching
Teaching Assistantship (20) 1200-2400 9

Duke University

Applications must be filed by February 15, 1967

Number of Degrees Awarded in 1966

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

Type of financial assistance (with number anticipated in 1967-1968) Amount Tuition, if not Service Required
Fellowship (3) 3600 9 $1200 3 Teaching
Teaching Assistantship (6) 3000 9 960 3 Teaching
Research Assistantship (6) 3000 9 240 3 Teaching
Research Assistantship (4) 5325 11 720 3 Teaching
Title IV NDEA (7) 2000-2400 9
NSF Traineeship (6) 2400-2500 12
NASA Traineeship (4) 2400-2500 12

** 40 hr./wk. two summer months.
Applications must be filed by March 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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 Fellowship (6)</td>
<td>1302</td>
<td>9</td>
<td>$50/qtr.</td>
<td>5</td>
<td>Teaching</td>
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<tr>
<td>Computing Center Assistantship (2)</td>
<td>1302</td>
<td>9</td>
<td></td>
<td>5</td>
<td>Computer Related Activities</td>
</tr>
</tbody>
</table>

**North Carolina State University at Raleigh**

RALEIGH, NORTH CAROLINA 27607

John W. Cell, Head Department of Mathematics

Applications must be filed by February 1, 1967

Type of financial assistance (with number anticipated in 1967-1968)

<table>
<thead>
<tr>
<th>Stipend</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (8)</td>
</tr>
<tr>
<td>Teaching Assistantship (14)</td>
</tr>
<tr>
<td>Research Assistantship (6)</td>
</tr>
<tr>
<td>Teaching Assistantship (6)</td>
</tr>
</tbody>
</table>

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

**Stipend**

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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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</thead>
<tbody>
<tr>
<td>Teaching Assistantship (14)</td>
<td>1500-2400***</td>
<td>9</td>
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<tr>
<td>Teaching Assistantship (20)</td>
<td>2700-3600***</td>
<td>9</td>
<td></td>
<td>**</td>
<td>**</td>
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<tr>
<td>Research Assistantship (6)</td>
<td>2700-3600***</td>
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<tr>
<td>Teaching Assistantship (8)</td>
<td>3600-4500***</td>
<td>9</td>
<td></td>
<td>***</td>
<td>***</td>
</tr>
</tbody>
</table>

**$9/hr. through 9 hrs.; $87.50/sem. for 10 or more hrs.**

**Additional income possible by summer school teaching.**

**Additional income possible by summer work.**

# One 4 cr. course/wk. or assist with lecture section.

## One and one half 4 cr. courses/sem.

### Two 4 cr. courses/sem.

**North Carolina State University at Raleigh**

RALEIGH, NORTH CAROLINA 27607

Herbert E. Speece, Head Department of Mathematics and Science Education

Applications must be filed by March 1, 1967

Type of financial assistance (with number anticipated in 1967-1968)

<table>
<thead>
<tr>
<th>Stipend</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research Assistantship (5)</td>
</tr>
<tr>
<td>Research Assistantship (5)</td>
</tr>
</tbody>
</table>

**$9 cr./sem. hour through 9 hours.**

**North Carolina State University at Raleigh**

RALEIGH, NORTH CAROLINA 27607

Paul E. Lewis, Director Computing Center

Applications must be filed by March 1, 1967

Type of financial assistance (with number anticipated in 1967-1968)

<table>
<thead>
<tr>
<th>Stipend</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research Assistantship (5)</td>
</tr>
</tbody>
</table>

**$175/yr.**

**Mathematics Education.**
### North Carolina State University at Raleigh

RALEIGH, NORTH CAROLINA 27607
D. D. Mason, Head
Department of Experimental Statistics
Applications must be filed by March 15, 1967

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 1967–1968)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
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<tbody>
<tr>
<td>Fellowship (45)</td>
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<td>0–20 Teaching</td>
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<tr>
<td>Teaching Assistantship (6)</td>
<td>2700–3600</td>
<td>9</td>
<td>20 Teaching</td>
</tr>
<tr>
<td>Research Assistantship (9)</td>
<td>2700–3300</td>
<td>12</td>
<td>20 Research</td>
</tr>
<tr>
<td>Other (7)</td>
<td>2400–3600</td>
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<td>20 Services</td>
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</tbody>
</table>

Note: Includes assistance to 28 foreign students on AID or similar support.

---

### University of North Carolina at Chapel Hill

CHAPEL HILL, NORTH CAROLINA 27514
W. E. Jenner, Chairman
Department of Mathematics
Applications must be filed by February 1, 1967

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, 12; Applied Mathematics, 1. TOTAL: 20

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</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 (8)</td>
<td>2000–2400</td>
<td>9–12</td>
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<td>Teaching Fellowship (2)</td>
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<td>9</td>
<td>&quot;</td>
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<td>Teaching Assistantship (40)</td>
<td>1300–2400</td>
<td>9</td>
<td>3–6 Teaching</td>
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### University of North Carolina at Chapel Hill

CHAPEL HILL, NORTH CAROLINA 27514
George E. Nicholson, Jr., Chairman
Department of Statistics
Applications must be filed by February 1, 1967

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

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<td>Fellowship (10)</td>
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<td>2400–4000</td>
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<td>NSF Traineeship (5)</td>
<td>1800–2700</td>
<td>9</td>
<td>10 Research</td>
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</table>

---

### University of North Carolina at Chapel Hill

CHAPEL HILL, NORTH CAROLINA 27514
Frederick P. Brooks, Jr., Chairman
Department of Information Science
Applications must be filed by February 1, 1967

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

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</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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<tr>
<td>Teaching Assistantship (16)</td>
<td>1200–2400</td>
<td>9</td>
<td>20 Teaching or Assisting</td>
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<tr>
<td>Research Assistantship (10)</td>
<td>1200–2400</td>
<td>9</td>
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</tr>
<tr>
<td>Scholarship (3)</td>
<td>2400–1st yr.</td>
<td>9</td>
<td>20 Research projects</td>
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<tr>
<td>NSF Traineeship</td>
<td>2400–2nd yr.</td>
<td>12</td>
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</table>

** In-state tuition: $87.50/sem.; appointment qualifies for in-state tuition.
*** $500 allowance for each dependent.
Wake Forest College

WINSTON-SALEM, NORTH CAROLINA 27106
Ivey C. Gentry, Chairman
Department of Mathematics

Applications must be filed by March 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</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 (5)</td>
<td>2100</td>
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<td>$1000</td>
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<td>Teaching Assistantship (3)</td>
<td>3120</td>
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<tr>
<td>Scholarship (1)</td>
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<td>9</td>
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NORTH DAKOTA

North Dakota State University

FARGO, NORTH DAKOTA 58102
A. Glenn Hill, Chairman
Department of Mathematics

Applications must be filed by March 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tr>
<td>Fellowship (US Ed) (4–5)</td>
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<td>Teaching Assistantship (7–8)</td>
<td>1800</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>NSF Traineeship (1)</td>
<td>2400</td>
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University of North Dakota

GRAND FORKS, NORTH DAKOTA 58202
Ronald Bzoch, Chairman
Department of Mathematics

Applications must be filed by March 15, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tr>
<td>Teaching Assistantship (6)</td>
<td>2100</td>
<td>9</td>
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OHIO

Bowling Green State University

BOWLING GREEN, OHIO 43402
Louis C. Graue, Chairman
Department of Mathematics

Applications must be filed by March 1, 1967 for 1st consideration

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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</thead>
<tbody>
<tr>
<td>Teaching Assistantship (20)</td>
<td>2100–2800</td>
<td>9</td>
<td>$200</td>
</tr>
</tbody>
</table>

NSF Traineeship (2)                                           | 2400 & 500/dependent | 12                 |
### Case Institute of Technology

CLEVELAND, OHIO 44106  
Melvin Henriksen, Chairman  
Department of Mathematics  
Applications must be filed by March 1, 1967

Ph. D. Degrees awarded during last three years by field of specialization: Geometry and Topology, 1; Logic, 2; Analysis and Functional Analysis, 3; Probability and Statistics, 2; Computer Science and Numerical Analysis, 4. TOTAL: 12

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount (dollars)</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>
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<td></td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Teaching Fellowship (7)</td>
<td>2400–3400</td>
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<td></td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (10)</td>
<td>375–500/mo.</td>
<td>9–12</td>
<td>$120 mo.</td>
<td>3–4</td>
<td>Teaching</td>
</tr>
<tr>
<td>Research Assistantship (6)</td>
<td>375–500/mo.</td>
<td>9–12</td>
<td></td>
<td>3–4</td>
<td>Teaching</td>
</tr>
<tr>
<td>Graduate Assistantship (12)</td>
<td>375/mo.</td>
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<td>10–15</td>
<td>Paper grading, etc.</td>
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### John Carroll University

CLEVELAND, OHIO 44118  
Rev. Raymond W. Allen, S.J., Chairman  
Department of Mathematics

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount (dollars)</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>2000</td>
<td></td>
<td></td>
<td>9</td>
<td></td>
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</table>

### Kent State University

KENT, OHIO 44240  
Richard K. Brown  
Department of Graduate Studies in Mathematics  
Applications must be filed by March 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount (dollars)</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 (7)</td>
<td>2200 + Tuition</td>
<td>9</td>
<td></td>
<td>15</td>
<td>Teaching</td>
</tr>
<tr>
<td>Research Assistantship (2)</td>
<td>1800–2250</td>
<td>9</td>
<td></td>
<td>15</td>
<td>Research</td>
</tr>
<tr>
<td>Assistant Instructor (5)</td>
<td>2250 + Tuition</td>
<td>9</td>
<td></td>
<td>15</td>
<td>Teaching</td>
</tr>
</tbody>
</table>

### Miami University

OXFORD, OHIO 45056  
Elwood Bohn, Chairman  
Department of Mathematics  
Applications must be filed by February 15, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount (dollars)</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 (Varies)</td>
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<tr>
<td>Teaching Assistantship (18)</td>
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<td>9 1/2</td>
<td>Waived</td>
<td>4–6</td>
<td></td>
</tr>
<tr>
<td>Graduate Assistant Computing Lab, (3)</td>
<td>2600</td>
<td>9 1/2</td>
<td>Waived</td>
<td>20</td>
<td></td>
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</tbody>
</table>

### Ohio University

ATHENS, OHIO 45701  
Carl H. Denbow, Chairman  
Department of Mathematics  
Applications must be filed by March 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount (dollars)</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>2400–3900</td>
<td>12</td>
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<td>6</td>
<td>Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (25)</td>
<td>2200–2400</td>
<td>9</td>
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<td></td>
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<tr>
<td>Scholarship (5)</td>
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</table>
### Ohio State University

**COLUMBUS, OHIO 43210**  
Arnold E. Ross, Chairman  
Department of Mathematics

Applications must be filed by February 15, 1967

**Ph.D. Degrees awarded during last three years by field of specialization:**  
Algebra and Number Theory, 9; Geometry and Topology, 4; Logic, 1; Analysis and Functional Analysis, 9; Probability and Statistics, 1; Computer Science and Numerical Analysis, 3. **TOTAL: 27**

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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>
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<td></td>
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<td>Teaching Assistantship (75)</td>
<td>2400</td>
<td>9</td>
<td>Included</td>
<td>5</td>
<td>Teaching</td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (10)</td>
<td>2400-3000</td>
<td>9</td>
<td>Included</td>
<td>5</td>
<td>Research</td>
<td></td>
</tr>
<tr>
<td>NSF Traineeship (10)</td>
<td>2400</td>
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<td>Included</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Computer and Statistics</td>
<td>2400-3000</td>
<td>9</td>
<td>Included</td>
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<td>Lab. Assistance</td>
<td></td>
</tr>
</tbody>
</table>

**University of Cincinnati**

**CINCINNATI, OHIO 45221**  
H. David Lipsich, Chairman  
Department of Mathematics

Applications must be filed by February 15, 1967

**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, 5; Applied Mathematics, 1. **TOTAL: 12**

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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>Teaching</td>
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<td>Teaching Fellowship (1)</td>
<td>2200-2500</td>
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<td>&quot;</td>
<td></td>
<td>3</td>
<td>Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (20)</td>
<td>1200-2400</td>
<td>9</td>
<td>&quot;</td>
<td></td>
<td>5</td>
<td>Teaching</td>
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<tr>
<td>Scholarship (4)**</td>
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<td>$60-120</td>
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<td>NSF Traineeship (5)</td>
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<tr>
<td>NASA Traineeship (1)</td>
<td>2400****</td>
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<td></td>
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<td></td>
<td></td>
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<tr>
<td>Public Law 550 (4)</td>
<td>2000-2200****</td>
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**University of Dayton**

**DAYTON, OHIO 45409**  
K. C. Schrant, Chairman  
Department of Mathematics

Applications must be filed by March 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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>2200-2400</td>
<td>9</td>
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**University of Toledo**

**TOLEDO, OHIO 43606**  
Robert F. Jackson, Chairman  
Department of Mathematics

Applications must be filed by April 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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>
</table>

936
"Two of the basic elements for instituting the Ph.D. degree in Mathematics seem to be already present at the University of Toledo, viz., a sympathetic administration and the nucleus of a competent staff. Concrete evidence of administrative interest is to be found in the acquisition, during the past three years, of seven new staff members having the doctorate, as well as in the provision of an adequate library appropriation. The new staff seem to have been selected with a view to obtaining both an adequate coverage of fields and a modernity of outlook (ensured by recency of degrees and quality of conferring institution). Only one of the new staff took his degree more than six years ago, and his selection seems to be fortunate inasmuch as he clearly has the maturity, experience and wisdom for coordinating the plans and instituting the kinds of courses and seminars most likely to lead to success. Continued support from the administration will be needed in the encouragement given to modernizing old courses and providing funds for new courses."

Quoted by permission from the consultant's report of Professor R. L. Wilder, May 1964

In the two years since this report, five additional staff members with the doctorate have been added to the department.

Instruction in mathematics leading the Ph.D. degree was begun in September 1965 with the sanction of the Ohio Board of Regents and with preliminary accreditation from the North Central Association of Colleges and Secondary Schools.

For further information on openings for senior staff or financial support for graduate students write to:

Professor Robert F. Jackson, Chairman  
Department of Mathematics,  
University of Toledo,  
Toledo, Ohio 43606
Western Reserve University  
CLEVELAND, OHIO 44106  
Walter Leighton, Chairman  
Department of Mathematics  
Applications must be filed by March 1, 1967

Ph. D. Degrees awarded during last three years by field of specialization: Geometry and Topology, 2; Analysis and Functional Analysis, 4. TOTAL: 6

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship</td>
<td>2400</td>
<td>9</td>
<td>3 Teaching</td>
</tr>
<tr>
<td>Scholarship</td>
<td>1800</td>
<td>9</td>
<td>9 Research</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, 1967

Ph. D. Degrees awarded during last three years by field of specialization: Geometry and Topology, 2; Analysis and Functional Analysis, 4. TOTAL: 17

<table>
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<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tbody>
<tr>
<td>Teaching Assistantship (5)</td>
<td>1800</td>
<td>9</td>
<td>6 Teaching</td>
</tr>
<tr>
<td>Scholarship (3)</td>
<td>1800</td>
<td>9</td>
<td>12 Computer</td>
</tr>
</tbody>
</table>

OKLAHOMA

Oklahoma State University  
STILLWATER, OKLAHOMA 74074  
L. Wayne Johnson, Head  
Department of Mathematics and Statistics  
Applications must be filed by March 1, 1967

Ph. D. Degrees awarded during last three years by field of specialization: Geometry and Topology, 3; Logic, 1; Analysis and Functional Analysis, 5; Probability and Statistics, 21. TOTAL: 17

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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 (9)</td>
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<td>9 or 12 mo.</td>
<td>Included</td>
</tr>
<tr>
<td>Teaching Assistantship (24)</td>
<td>2025-2475</td>
<td>9</td>
<td>$7/ cr. hr.</td>
</tr>
<tr>
<td>Research Assistantship (4)</td>
<td>2475-3400</td>
<td>9</td>
<td>6-8</td>
</tr>
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</table>

University of Oklahoma  
NORMAN, OKLAHOMA 73069  
Richard V. Andree, Chairman  
Department of Mathematics  
Applications for first awards made March 15, 1967; well qualified applicants considered later.

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, 5; Probability and Statistics, 21; Computer Science and Numerical Analysis, 2; Mathematics Education, 4. TOTAL: 20

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (31)</td>
<td>750-1700</td>
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<tr>
<td>Teaching Fellowship (6)</td>
<td>2000-4600</td>
<td>9 or 12</td>
<td>None</td>
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<tr>
<td>Teaching Assistantship (121)</td>
<td>1800-5000</td>
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<tr>
<td>Research Assistantship (2)</td>
<td>2000-3500</td>
<td>9</td>
<td>&quot;</td>
</tr>
<tr>
<td>Scholarship (6)</td>
<td>400-1200</td>
<td>9</td>
<td>&quot;</td>
</tr>
<tr>
<td>Summer R. P. C. T. (10 postdoctoral)</td>
<td>800-1700</td>
<td>2.5 summer</td>
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<tr>
<td>Work Study (10)</td>
<td>Hourly Rates</td>
<td>Any</td>
<td>$9/hr.***</td>
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</table>

** Research for teachers at other colleges.  
*** $23/hr. out-of-state.
**Oregon State University**

**CORVALLIS, OREGON 97331**  
Arvid T. Lonseth, Chairman  
Department of Mathematics  
Applications must be filed by February 15, 1967

PH.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 1; Geometry and Topology, 2; Logic, 1; Analysis and Functional Analysis, 6; Computer Science and Numerical Analysis, 6; Applied Mathematics, 2. TOTAL: 18

<table>
<thead>
<tr>
<th>Type of financial assistance with number anticipated in 1967–1968</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>Fellowship (10)</td>
<td>2200–2800</td>
<td>9</td>
<td>$96</td>
</tr>
<tr>
<td>Teaching Assistantship (50)</td>
<td>2200–2800</td>
<td>9</td>
<td>$96</td>
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<tr>
<td>Research Assistantship (5)</td>
<td>2200–2800</td>
<td>9</td>
<td>$96</td>
</tr>
<tr>
<td>Summer Research Assistantship (1967) (20)</td>
<td>500–1500</td>
<td>2.5</td>
<td></td>
</tr>
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</table>

**Oregon State University**

**CORVALLIS, OREGON 97331**  
Lyle D. Calvin, Chairman  
Department of Statistics  
Applications must be filed by March 1, 1967

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

<table>
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<th>9 or Tuition, if not included in stipend</th>
<th>Service Required</th>
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</thead>
<tbody>
<tr>
<td>Fellowship (5)</td>
<td>2200–2800</td>
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<td>2400–2800</td>
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<td>$32</td>
</tr>
<tr>
<td>Research Assistantship (5)</td>
<td>2400–2800</td>
<td>9</td>
<td>$32</td>
</tr>
<tr>
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<td>2800–3600</td>
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</table>

**Portland State College**

**PORTLAND, OREGON 97207**  
R. W. Rempfer, Chairman  
Department of Mathematics  
Applications must be filed by May 1, 1967

PH.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 11; Geometry and Topology, 2; Analysis and Functional Analysis, 9; Probability and Statistics, 3. TOTAL: 25

<table>
<thead>
<tr>
<th>Type of financial assistance with number anticipated in 1967–1968</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 (10)</td>
<td>2400</td>
<td>9</td>
<td></td>
</tr>
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</table>

**University of Oregon**

**EUGENE, OREGON 97403**  
A. F. Moursund, Head  
Department of Mathematics  
Applications must be filed by February 1, 1967

PH.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 11; Geometry and Topology, 2; Analysis and Functional Analysis, 9; Probability and Statistics, 3. TOTAL: 25

<table>
<thead>
<tr>
<th>Type of financial assistance with number anticipated in 1967–1968</th>
<th>Amount (dollars)</th>
<th>9 or Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tbody>
<tr>
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<td>$96/yr.</td>
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<td>$96/yr.</td>
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<tr>
<td>Research Assistantship (7)</td>
<td>2000–2400</td>
<td>9</td>
<td>$96/yr.</td>
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<td>2400–2600</td>
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</table>
Bryn Mawr College

BRYN MAWR, PENNSYLVANIA 19010

John C. Oxtoby, Chairman
Department of Mathematics

Applications must be filed by February 15, 1967

Type of financial assistance (with number anticipated in 1967-1968)  
Fellowship (1)  
Teaching Assistantship (2)  
Scholarship (1 or 2)  
Tuition Scholarship

Stipend

<table>
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<td>3000</td>
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<tr>
<td>Tuition Scholarship</td>
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<td>$1500</td>
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Bucknell University

LEWISBURG, PENNSYLVANIA 17837

Emil J. Polak, Chairman
Department of Mathematics

Applications must be filed by March 1, 1967

Type of financial assistance (with number anticipated in 1967-1968)  
Fellowship (2)  
Teaching Fellowship (1)  
Graduate Assistantship (5)

Stipend

<table>
<thead>
<tr>
<th>Type of financial assistance</th>
<th>Amount</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tr>
<td>Fellowship</td>
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<td>$1500</td>
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<td>Teaching Fellowship</td>
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<td>Graduate Assistantship</td>
<td>2000</td>
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</table>

Carnegie Institute of Technology

PITTSBURGH, PENNSYLVANIA 15213

I. I. Kolodner, Head
Department of Mathematics

Applications must be filed by March 1, 1967

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

TOTAL: 17

Type of financial assistance (with number anticipated in 1967-1968)  
Fellowship (25)  
Teaching Fellowship* (10)  
Teaching Assistantship*** (40)  
Research Assistantship (20)

Stipend

<table>
<thead>
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<th>Service Required</th>
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<tbody>
<tr>
<td>Fellowship</td>
<td>1800-2800</td>
<td>9 or 12</td>
<td></td>
</tr>
<tr>
<td>Teaching Fellowship*</td>
<td>2000</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship***</td>
<td>500-1200</td>
<td>9</td>
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<tr>
<td>Research Assistantship</td>
<td>1800-2200</td>
<td>9 $850</td>
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</table>

** First-year students only.
*** These are supplemental appointments. They are normally offered to all Research Assistants and Fellowship holders.

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 1967. Students will work for cooperating industries during the summers of 1967 and 1968. During the regular 1967-1968 academic year and the fall quarter of 1968, they will be employed as graduate assistants.

The total compensation for the six quarters will be a minimum of $6300. Full tuition will be waived during tenure as a graduate assistant; a fee of $100 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
Department of Mathematics
Drexel Institute of Technology
Philadelphia, Pennsylvania 19104

940
**Drexel Institute of Technology**

PHILADELPHIA, PENNSYLVANIA 19104  
Ralph B. Crouch, Chairman  
Department of Mathematics  
Applications must be filed by February 15, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<td>Research Assistantship (3)</td>
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<td>10</td>
</tr>
<tr>
<td>NSF Traineeship (2)</td>
<td>2400</td>
<td>Waived</td>
<td></td>
</tr>
<tr>
<td>NASA Traineeship (2)</td>
<td>2400</td>
<td>Waived</td>
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</table>

<table>
<thead>
<tr>
<th>Stipend</th>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
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<td>1500-2000</td>
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**Duquesne University**

PITTSBURGH, PENNSYLVANIA 15219  
Charles F. Sebesta, Chairman  
Department of Mathematics  
Applications must be filed by March 15, 1967

<table>
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<tr>
<th>Type of financial assistance</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 (2)</td>
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<td>Waived</td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (3)</td>
<td>2250-2700</td>
<td>Waived</td>
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<tr>
<td>NSF Traineeship (2)</td>
<td>2400</td>
<td>Waived</td>
<td></td>
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<tr>
<td>NASA Traineeship (2)</td>
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<table>
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<th>Tuition, if not included in stipend</th>
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<td>1600-2100</td>
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**Lehigh University**

BETHLEHEM, PENNSYLVANIA 18015  
Everett Pitcher, Chairman  
Department of Mathematics  
Applications must be filed by March 15, 1967

<table>
<thead>
<tr>
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<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tbody>
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<td>Teaching Assistantship (6)**</td>
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<tr>
<td>Research Assistantship (3)</td>
<td>4200-4800</td>
<td>about 1200</td>
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</tr>
<tr>
<td>NSF Traineeship***</td>
<td>2400-3400</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>NASA Traineeship***</td>
<td>2400 + depend.</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>NDEA Fellowship***</td>
<td>2000-2400 + de-</td>
<td>None</td>
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<table>
<thead>
<tr>
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<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
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<tr>
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<tr>
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<td>4200-4800</td>
<td>about 1200</td>
<td>20 Research</td>
<td></td>
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<tr>
<td>Fellowship (10)**</td>
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<td>None</td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (22)</td>
<td>2500-2750</td>
<td>None</td>
<td>6 or less Teaching</td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (3)</td>
<td>4200-4800</td>
<td>about 1200</td>
<td>20 Research</td>
<td></td>
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<tr>
<td>NSF Traineeship***</td>
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<td>None</td>
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<tr>
<td>NASA Traineeship***</td>
<td>2400 + depend.</td>
<td>None</td>
<td>None</td>
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<td>NDEA Fellowship***</td>
<td>2000-2400 + de-</td>
<td>None</td>
<td>None</td>
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---

**Pennsylvania State University**

UNIVERSITY PARK, PENNSYLVANIA 16802  
James B. Bartoo, Head  
Department of Mathematics  
Applications must be filed by March 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance</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>Fellowship (10)</td>
<td>2000-2400</td>
<td>10 Teaching, Research</td>
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<td>2160-3060</td>
<td>10 Teaching, Research</td>
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</table>

**NUMBER OF DEGREES AWARDED IN 1966**

- Baccalaureate Degrees by Institution: 728
- Baccalaureate Degrees by Department: 14
- Master's Degrees by Department: 5
- Master's Degrees by Field of Specialization: 24
- Doctor's Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 1; Geometry and Topology, 2; Analysis and Functional Analysis, 5. TOTAL: 8

**NUMBER OF DEGREES AWARDED IN 1966**

- Baccalaureate Degrees by Institution: 992
- Baccalaureate Degrees by Department: 32
- Master's Degrees by Department: 5
- Master's Degrees by Field of Specialization: 24
- Doctor's Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 1; Geometry and Topology, 2; Analysis and Functional Analysis, 5. TOTAL: 8

---

**General Note:** All reappointments allow free tuition for intervening summer.
### Pennsylvania State University

UNIVERSITY PARK, PENNSYLVANIA 16802
Preston C. Hammer, Chairman
Department of Computer Science

Applications must be filed by March 15, 1967

PH.D. Degrees awarded during last three years by field of specialization: Please see Department of Mathematics.

<table>
<thead>
<tr>
<th>Type of financial assistance</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tbody>
<tr>
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<td>Teaching Assistantship (20)</td>
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<td>20</td>
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<tr>
<td>Research Assistantship (6)</td>
<td>1920-4080</td>
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<td>20</td>
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</table>

### Temple University

PHILADELPHIA, PENNSYLVANIA 19141
Albert Schild, Chairman
Department of Mathematics

Ph.D. Program started 2 years ago.

<table>
<thead>
<tr>
<th>Type of financial assistance</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
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<tr>
<td>Stipend</td>
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<td>9 or 12 mo.</td>
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<tr>
<td>Teaching Assistantship (20)</td>
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<td>6 Teaching</td>
</tr>
<tr>
<td>Research Assistantship (2)</td>
<td>2400-2800</td>
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<td>Variable</td>
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<tr>
<td>Scholarship (2)</td>
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### University of Pennsylvania

PHILADELPHIA, PENNSYLVANIA 19104
Oscar Goldman, Chairman
Department of Mathematics

Applications must be filed by January 15, 1967

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>
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<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<tbody>
<tr>
<td>Stipend</td>
<td></td>
<td>9 or 12 mo.</td>
<td></td>
</tr>
<tr>
<td>Fellowship (25)</td>
<td>1500-2500</td>
<td>Included</td>
<td>10 Teach and grade one course</td>
</tr>
<tr>
<td>Teaching Fellowship (33)</td>
<td>2400</td>
<td>Included</td>
<td></td>
</tr>
</tbody>
</table>

### University of Pennsylvania

PHILADELPHIA, 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 January 6, 1967 (Late applications may be considered.)

Ph.D. Degrees awarded during last three years by field of specialization: Computer Science and Numerical Analysis, 10.

<table>
<thead>
<tr>
<th>Type of financial assistance</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stipend</td>
<td></td>
<td>9 or 12 mo.</td>
<td></td>
</tr>
<tr>
<td>Fellowship (14)</td>
<td>2000-3000</td>
<td>Included</td>
<td>20 Teaching</td>
</tr>
<tr>
<td>Teaching Fellowship (3)</td>
<td>2200-2600</td>
<td>Included</td>
<td>20 Research</td>
</tr>
<tr>
<td>Research Assistantship (34)</td>
<td>2200-2600</td>
<td>Included</td>
<td></td>
</tr>
<tr>
<td>Scholarship (3)</td>
<td>2000 or partial tuition</td>
<td>Included</td>
<td></td>
</tr>
</tbody>
</table>
University of Pittsburgh

PITTSBURGH, PENNSYLVANIA 15213
Mario Benedicty, Chairman
Department of Mathematics

Applications must be filed by March 25, 1967

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, 1; Applied Mathematics, 4. TOTAL: 20

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (4)</td>
<td>2300-3450</td>
<td>8-11</td>
<td>7</td>
</tr>
<tr>
<td>Teaching Fellowship (6)</td>
<td>2100-3150</td>
<td>8-11</td>
<td>Research</td>
</tr>
<tr>
<td>Research Assistancehip (1)</td>
<td>3000</td>
<td>11</td>
<td>$450 (resident)</td>
</tr>
<tr>
<td>Traineeship (3)</td>
<td>2400</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

Villanova University

VILLANOVA, PENNSYLVANIA 19085
Emil Amelotti, Chairman
Department of Mathematics

Applications must be filed by March 15, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (10)</td>
<td>2000</td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

West Chester State College

WEST CHESTER, PENNSYLVANIA 19380
Albert E. Filano, Chairman
Department of Mathematics

Applications must be filed by April 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Departmental Assistant (3)</td>
<td>1800</td>
<td>9</td>
<td>$20/sem cr.</td>
</tr>
</tbody>
</table>

University of Puerto Rico

MAYAGUEZ, PUERTO RICO 00709
Mariano Garcia, Head
Department of Mathematics

Applications must be filed by April 30, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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>150/mo.</td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

University of Puerto Rico

RIO PIEDRAS, PUERTO RICO 00931
Francisco Garriga, Chairman
Department of Mathematics

Applications must be filed by March 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Stipend</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (3)</td>
<td>800-1600</td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>
RHODE ISLAND

Brown University
PROVIDENCE, RHODE ISLAND 02912
Wendell H. Fleming, Chairman
Department of Mathematics
Applications must be filed by January 15, 1967

PH.D. Degrees awarded during last three years by field of specialization: Geometry and Topology, 5; Analysis and Functional Analysis, 2; Probability and Statistics, 1; Applied Mathematics, 2; Mathematical Economics, 1. TOTAL: 11

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount 9 or Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (10-15)</td>
<td>2100-2800 9</td>
<td>4-7 Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (10-15)</td>
<td>2200-2500 9</td>
<td>** Research</td>
</tr>
<tr>
<td>Research Assistantship (6-12)</td>
<td>3700-4500** 9-12</td>
<td></td>
</tr>
</tbody>
</table>

** Students pay 3/4 tuition out of stipend.

Brown University
PROVIDENCE, RHODE ISLAND 02912
Rohn Truell, Chairman
Department of Applied Mathematics
Applications must be filed by January 15, 1967

PH.D. Degrees awarded during last three years by field of specialization: Probability and Statistics, 2; Computer Science and Numerical Analysis, 1; Applied Mathematics, 29. TOTAL: 32

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount 9 or Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (25)</td>
<td>2200 &amp; Tuition 9</td>
<td><strong>$1500</strong></td>
</tr>
<tr>
<td>Research Assistantship (25)</td>
<td>3800 9</td>
<td></td>
</tr>
<tr>
<td>Scholarship (5)</td>
<td>Tuition</td>
<td></td>
</tr>
</tbody>
</table>

** 3/4 time study. Student pays tuition out of stipend.

Rhode Island College
PROVIDENCE, RHODE ISLAND 02908
P. M. Whitman, Chairman
Department of Mathematics
Applications and admissions must be filed by March 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount 9 or Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (2)</td>
<td>2100 &amp; Tuition 9</td>
<td>20 max. Teaching and/or assisting</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, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount 9 or Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (10)</td>
<td>2100 9</td>
<td>6 Teaching</td>
</tr>
</tbody>
</table>

944
Clemson University

CLEMSON, SOUTH CAROLINA 29631
Clayton V. Aucoin, Head
Department of Mathematics

Applications must be filed by March 1, 1967

NUMBER OF DEGREES AWARDED IN 1966

Baccalaureate Degrees by Institution: 780
Baccalaureate Degrees by Department: 25
Master's Degrees by Department: 10

Type of financial assistance (with number anticipated in 1967-1968)

<table>
<thead>
<tr>
<th>Type of Assistantship</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 (6)</td>
<td>3000-3500</td>
<td>12</td>
<td>$45/sem.</td>
<td></td>
</tr>
<tr>
<td>NASA (4)</td>
<td>2400-2800</td>
<td>12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NSF (2)</td>
<td>2400-2800</td>
<td>12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NDA (3)</td>
<td>2000-2400</td>
<td>12</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

University of South Carolina

COLUMBIA, SOUTH CAROLINA 29208
W. L. Williams, Head
Department of Mathematics

Applications must be filed by March 1, 1967

NUMBER OF DEGREES AWARDED IN 1966

Baccalaureate Degrees by Institution: 1121
Baccalaureate Degrees by Department: 18
Master's Degrees by Department: 35

PH.D. Degrees awarded during last three years by field of specialization:
Algebra and Number Theory, 3; Geometry and Topology, 1; Categorical Algebra, 1; Foundations of Mathematics, 1. TOTAL: 6

Type of financial assistance (with number anticipated in 1967-1968)

<table>
<thead>
<tr>
<th>Type of Assistantship</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>2400-2800</td>
<td>9</td>
<td>$10/course/sem.</td>
<td>12</td>
</tr>
<tr>
<td>Teaching Assistantship (30)</td>
<td>2000-2400</td>
<td>9</td>
<td>$10/course/sem.</td>
<td>12</td>
</tr>
<tr>
<td>Research Assistantship (2)</td>
<td>2500</td>
<td>9</td>
<td>$10/course/sem.</td>
<td>12</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
South Dakota School of Mines and Technology

RAPID CITY, SOUTH DAKOTA 57701

Dean C. Benson, Chairman
Department of Mathematics

Applications must be filed by March 15, 1967

Type of financial assistance (with number anticipated in 1967-1968)

<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 (5)</td>
<td>2500</td>
<td>$3.17/sem. hr.</td>
<td>4-5 Teaching</td>
</tr>
<tr>
<td>Research Assistantship (1)</td>
<td>2500</td>
<td>&quot;</td>
<td>4-5 Research</td>
</tr>
<tr>
<td>Instructorship** (3)</td>
<td>2500-5000</td>
<td>&quot;</td>
<td>4-12 Teaching</td>
</tr>
</tbody>
</table>

** Faculty status and privileges.

University of South Dakota

VERMILLION, SOUTH DAKOTA 57069

Wm. E. Ekman, Chairman
Department of Mathematics

Applications must be filed by April 1, 1967

Type of financial assistance (with number anticipated in 1967-1968)

<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 (6)</td>
<td>2000-2200</td>
<td>1/3 in-state tuition</td>
<td>4-5 Teaching</td>
</tr>
</tbody>
</table>

TENNESSEE

East Tennessee State University

JOHNSON CITY, TENNESSEE 37601

Lester C. Hartsell, Chairman
Department of Mathematics

Applications must be filed by May 1, 1967

Type of financial assistance (with number anticipated in 1967-1968)

<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 (7)</td>
<td>1350-2025</td>
<td>$60</td>
<td>6-9 Teaching</td>
</tr>
</tbody>
</table>

Memphis State University

MEMPHIS, TENNESSEE 38111

H. S. Kaltenborn, Chairman
Department of Mathematics

Applications must be filed by March 1, 1967

Type of financial assistance (with number anticipated in 1967-1968)

<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 (15)</td>
<td>2000</td>
<td>$215</td>
<td>6 Teaching</td>
</tr>
</tbody>
</table>

Tennessee Technological University

COOKEVILLE, TENNESSEE 38501

Ralph C. Boles, Chairman
Department of Mathematics

Applications must be filed by April 1, 1967

Type of financial assistance (with number anticipated in 1967-1968)

<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 (8)</td>
<td>1800-2100</td>
<td>Waived</td>
<td>6 Teaching</td>
</tr>
</tbody>
</table>
**University of Tennessee**

KNOXVILLE, TENNESSEE 37916  
John H. Barrett, Head  
Department of Mathematics  
Applications must be filed by March 1, 1967

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, 2; Computer Science and Numerical Analysis, 1. TOTAL: 11

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (14)</td>
<td>2400-3400</td>
<td>9 or 12</td>
<td>$45</td>
</tr>
<tr>
<td>Teaching Assistantship (65)</td>
<td>2500-2700</td>
<td>9</td>
<td>$45</td>
</tr>
<tr>
<td>Research Assistantship (7)</td>
<td>1200 up</td>
<td>9</td>
<td>$45</td>
</tr>
<tr>
<td>Scholarship (2)</td>
<td>1000-2000</td>
<td>9</td>
<td>$45</td>
</tr>
<tr>
<td>Summer Traineeship (4)</td>
<td>600-1020</td>
<td>2 1/2</td>
<td>$15</td>
</tr>
</tbody>
</table>

**NUMBER OF DEGREES AWARDED IN 1966**  
Baccalaureate Degrees by Institution: 1648  
Baccalaureate Degrees by Department: 27  
Master's Degrees by Department: 13

**Vanderbilt University**

NASHVILLE, TENNESSEE 37203  
E. Baylis Shanks, Chairman  
Department of Mathematics  
Applications must be filed by February 15, 1967

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

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (3)</td>
<td>2400-2500</td>
<td>12</td>
<td>$1260</td>
</tr>
<tr>
<td>Teaching Fellowship (5)</td>
<td>1500-3000</td>
<td>9</td>
<td>6-10 Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (4)</td>
<td>1500-3000</td>
<td>9</td>
<td>6-10 Teaching</td>
</tr>
<tr>
<td>Research Assistantship (3)</td>
<td>1350-2400</td>
<td>9</td>
<td>6-12 Research</td>
</tr>
<tr>
<td>Scholarship (2)</td>
<td>3260</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>NASA and NSF Traineeships (4)</td>
<td>2400-2600</td>
<td>12</td>
<td>$1260</td>
</tr>
</tbody>
</table>

**NUMBER OF DEGREES AWARDED IN 1966**  
Baccalaureate Degrees by Institution: 734  
Baccalaureate Degrees by Department: 22  
Master's Degrees by Department: 3

**East Texas State University**

COMMERCE, TEXAS 75428  
Glyn J. Corley, Head  
Department of Mathematics  
Applications must be filed by March 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Requested</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Fellowship (2)</td>
<td>3200</td>
<td>9</td>
<td>6 Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (8)</td>
<td>2250</td>
<td>9</td>
<td>6 Teaching</td>
</tr>
</tbody>
</table>

**NUMBER OF DEGREES AWARDED IN 1966**  
Baccalaureate Degrees by Institution: 858  
Baccalaureate Degrees by Department: 49  
Master's Degrees by Department: 8

**Lamar State College of Technology**

BEAUMONT, TEXAS 77704  
J. M. Stark, Head  
Department of Mathematics  
Applications must be filed by June 1, 1967

**NUMBER OF DEGREES AWARDED IN 1966**  
Baccalaureate Degrees by Institution: 859  
Baccalaureate Degrees by Department: 33  
Master's Degrees by Department: 4

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Fellowship (7)</td>
<td>2400</td>
<td>9</td>
<td>$100</td>
</tr>
<tr>
<td>Graders (28)</td>
<td>400</td>
<td>9</td>
<td>$100</td>
</tr>
</tbody>
</table>
North Texas State University

DENTON, TEXAS 76203

John T. Mohat, Chairman

Department of Mathematics

Applications must be filed by March 1, 1967

Type of financial assistance (with number anticipated in 1967-1968)  
Stipend  
Amount 9 or Tuition, if not Service Required
(dollars) 12 mo. included in stipend Hrs/Week Type
Teaching Assistantship (25) 2400 9 ** Waived
NSF Traineeship (9) 2400 12

** $150/9 months; $450/9 months if out-of-state student.

Rice University

HOUSTON, TEXAS 77001

M. L. Curtis, Chairman

Department of Mathematics

Applications must be filed by April 1, 1967

PH. D. Degrees awarded during last three years by field of specialization: Analysis and Functional Analysis, 9.

Type of financial assistance (with number anticipated in 1967-1968)  
Stipend  
Amount 9 or Tuition, if not Service Required
(dollars) 12 mo. included in stipend Hrs/Week Type
Fellowship (50) 1500-2500 9 $1700 6-8 Assisting
3400 12 $1700
Scholarship (5)

Southern Methodist University

DALLAS, TEXAS 75222

David W. Starr, Chairman

Department of Mathematics

Applications must be filed by March 15, 1967

Type of financial assistance (with number anticipated in 1967-1968)  
Stipend  
Amount 9 or Tuition, if not Service Required
(dollars) 12 mo. included in stipend Hrs/Week Type
Teaching Assistantship (6) 1500-2250 9 $1200 6-8 Teaching
Scholarship (1)

Southern Methodist University

DALLAS, TEXAS 75222

Paul D. Minton, Chairman

Department of Statistics

Applications must be filed by February 1, 1967

Program opens Fall 1967.

Type of financial assistance (with number anticipated in 1967-1968)  
Stipend  
Amount 9 or Tuition, if not Service Required
(dollars) 12 mo. included in stipend Hrs/Week Type
Fellowship (11) 2400-2800 9 Included 20 Research
1800 9 Included
Scholarship (4) 9 Included
Industry Fellowship (6) Salary 9 Included 3/5 time

Southwest Texas State College

SAN MARCOS, TEXAS 78666

Don Cude, Chairman

Department of Mathematics

Applications must be filed by April 1, 1967

Type of financial assistance (with number anticipated in 1967-1968)  
Stipend  
Amount 9 or Tuition, if not Service Required
(dollars) 12 mo. included in stipend Hrs/Week Type
Teaching Assistantship (10) 2500 9 $100 6 Teaching
Stephen F. Austin State College
NACOGDOCHES, TEXAS 75961
W. I. Layton, Head
Department of Mathematics
Applications must be filed by March 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance</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>1300</td>
<td>$50/sem.</td>
<td>3 Teaching</td>
</tr>
</tbody>
</table>

Texas A&M University
COLLEGE STATION, TEXAS 77843
M. Ostrofsky, Head
Department of Mathematics
Applications must be filed by March 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance</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>2250</td>
<td>$50 ($200 non-res.)</td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (60)</td>
<td>2250-2700</td>
<td>$50/sem.</td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (variable)</td>
<td>2250-2700</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NASA Traineeship (3)</td>
<td>2400-3400</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NSERC Traineeship (2)</td>
<td>2400, 2600, 2800</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NDEA Fellowship (2)</td>
<td>2000, 2200, 2400</td>
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</table>

Texas Christian University
FORT WORTH, TEXAS 76129
L. A. Colquitt, Chairman
Department of Mathematics
Applications must be filed by March 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (4)</td>
<td>1800-2700</td>
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<tr>
<td>Teaching Fellowship (6)</td>
<td>1800-2700</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (10)</td>
<td>1200</td>
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<tr>
<td>NASA Traineeship (4)</td>
<td>2400-3400</td>
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<tr>
<td>NSERC Traineeship (3)</td>
<td>2400-3000</td>
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Texas Technological College
LUBBOCK, TEXAS 79409
Patrick Odell, Chairman
Department of Mathematics
Applications must be filed by March 15, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
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<tr>
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<td>Teaching Assistantship (50)</td>
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<td>Scholarship (6)</td>
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** Out-of-state tuition waived.
University of Houston
HOUSTON, TEXAS
D. Reginald Traylor, Chairman
Department of Mathematics

Type of financial assistance (with number anticipated in 1967–1968)

<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>
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</thead>
<tbody>
<tr>
<td>Fellowship (15)</td>
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<tr>
<td>Teaching Fellowship (25)</td>
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<tr>
<td>Research Assistantship (6)</td>
<td>2500</td>
<td>9</td>
<td>$50</td>
<td>6</td>
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</table>

University of Texas
AUSTIN, TEXAS 78712
W. T. Guy, Jr., Chairman
Department of Mathematics

Applications must be filed by April 1, 1967

PH.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 6; Geometry and Topology, 11; Analysis and Functional Analysis, 21; Probability and Statistics, 3; Computer Science and Numerical Analysis, 5; Applied Mathematics, 6. TOTAL: 52

West Texas State University
CANYON, TEXAS 79015
H. L. Cook, Head
Department of Mathematics

Applications must be filed by March 1, 1967

** Out-of-state tuition waived.
*** Includes renewals of current people in this category.

Brigham Young University
PROVO, UTAH 84601
K. L. Hillam, Chairman
Department of Mathematics

Applications must be filed by March 1, 1967

** Plus $400 per dependent and $400 for summer.

NORTH CAROLINA STATE UNIVERSITY
Raleigh, North Carolina 27607

Applications must be filed by March 1, 1967

** Out-of-state tuition waived.

UTAH

NUMBER OF DEGREES AWARDED IN 1966

Baccalaureate Degrees by Institution: 958
Baccalaureate Degrees by Department: 116
Master's Degrees by Department: 10

Institutions of Higher Education in the United States 1965–66

** Plus $400 per dependent and $400 for summer.
<table>
<thead>
<tr>
<th>Brigham Young University</th>
<th>University of Utah</th>
<th>University of Vermont</th>
<th>University of Virginia</th>
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<tbody>
<tr>
<td><strong>Applications</strong></td>
<td><strong>Applications</strong></td>
<td><strong>Applications</strong></td>
<td><strong>Applications</strong></td>
</tr>
<tr>
<td><strong>must be filed by January 15, 1967</strong></td>
<td><strong>must be mailed by February 1, 1967 for fellowships and by April 15, 1967 for assistantships</strong></td>
<td><strong>must be filed by March 15, 1967</strong></td>
<td><strong>must be filed by February 15, 1967</strong></td>
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<table>
<thead>
<tr>
<th>Brigham Young University</th>
<th>University of Utah</th>
<th>University of Vermont</th>
<th>University of Virginia</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Stipend</strong></td>
<td><strong>Stipend</strong></td>
<td><strong>Stipend</strong></td>
<td><strong>Stipend</strong></td>
</tr>
<tr>
<td>Type of financial assistance (with number anticipated in 1967-1968)</td>
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<td>Teaching Assistantship (7)</td>
<td>Fellowship (7-9)</td>
<td>Teaching Assistantship (10)</td>
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<tr>
<td>NSF Traineeship (1 or 2)</td>
<td>Teaching Assistantship (40-45)</td>
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<td>2200-2500</td>
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<td>Amount (dollars)</td>
<td>Amount (dollars)</td>
<td>12 mo.</td>
<td>9 or 12 mo.</td>
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<td>2000-2500</td>
<td>2400-3000</td>
<td>3000-3600</td>
<td>2200-2500</td>
</tr>
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<td>Tuition, if not included in stipend</td>
<td>Tuition, if not included in stipend</td>
<td>Tuition, if not included in stipend</td>
<td>Tuition, if not included in stipend</td>
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<td>$175</td>
<td>$125/qtr.**</td>
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<tr>
<td>Hrs/Week</td>
<td>Hrs/Week</td>
<td>Hrs/Week</td>
<td>Hrs/Week</td>
</tr>
<tr>
<td>20</td>
<td>10-12</td>
<td>5-10</td>
<td>6</td>
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<tr>
<td>Type</td>
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<td>Type</td>
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<tr>
<td>Teaching, Lab Ass'ts.</td>
<td>Study and Research</td>
<td>Teaching</td>
<td>Teaching</td>
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</table>

**University of Utah**

**Baccalaureate Degrees by Institution:** 2492
**Baccalaureate Degrees by Department:** 8
**Master's Degrees by Department:** 2

**University of Vermont**

**Baccalaureate Degrees by Institution:** 1364
**Baccalaureate Degrees by Department:** 51
**Master's Degrees by Department:** 11

**University of Virginia**

**Baccalaureate Degrees by Institution:** 965
**Baccalaureate Degrees by Department:** 10
**Master's Degrees by Department:** 9

**TOTAL:** 21

**TOTAL:** 21

**TOTAL:** 21

**TOTAL:** 15
Virginia Polytechnic Institute

BLACKSBURG, VIRGINIA 24061
Leon W. Rutland, Chairman
Department of Mathematics
Applications must be filed by March 1, 1967

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 2; Geometry and Topology, 4. TOTAL: 6

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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 (3)</td>
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<td>2475-2745</td>
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Virginia Polytechnic Institute

BLACKSBURG, VIRGINIA 24061
Boyd Harshbarger, Head
Department of Statistics
Applications must be filed by March 1, 1967

PH. D. Degrees awarded during last three years by field of specialization: Probability and Statistics, 24.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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>
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<td>Teaching Assistantship (4)</td>
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<td>10</td>
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<tr>
<td>Research Assistantship (2)</td>
<td>3300-3660</td>
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<td></td>
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<tr>
<td>NASA &amp; NDEA (6)</td>
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<tr>
<td>Ford (1)</td>
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<td>Rockefeller (1)</td>
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College of William and Mary

WILLIAMSBURG, VIRGINIA 23185
Thomas L. Reynolds, Head
Department of Mathematics
Applications must be filed by March 1, 1967

<table>
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<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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>
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<td>Teaching Assistantship (6)</td>
<td>1800</td>
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WASHINGTON

University of Washington

SEATTLE, WASHINGTON 98105
Richard S. Pierce, Chairman
Department of Mathematics

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 8; Geometry and Topology, 3; Logic, 1; Analysis and Functional Analysis, 14; Probability and Statistics, 4; Computer Science and Numerical Analysis, 1. TOTAL: 31

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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 (28)</td>
<td>216-292</td>
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<td>$345</td>
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<td>Teaching Assistantship (75)</td>
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<td>Research Assistantship (8)</td>
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<td>$345</td>
<td>20 Research</td>
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<tr>
<td>NIH Traineeship (15)</td>
<td>200</td>
<td>12</td>
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<td>20 Research</td>
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</tbody>
</table>

** Includes Ed. graduates with Math. major.
**Washington State University**

PULLMAN, WASHINGTON 99163  
D. Bushaw, Acting Chairman  
Department of Mathematics  

Applications must be filed by March 15, 1967

---

PH.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 3;  
Geometry and Topology, 7; Analysis and Functional Analysis, 1; Applied Mathematics, 2; Combinatorial Mathematics, 1.  
TOTAL: 14

### NUMBER OF DEGREES AWARDED IN 1966

<table>
<thead>
<tr>
<th>Type of Degree</th>
<th>Baccalaureate Degrees by Institution:</th>
<th>Baccalaureate Degrees by Department:</th>
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<tr>
<td></td>
<td>1654</td>
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### Type of financial assistance (with number anticipated in 1967-1968)

<table>
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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>
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<tbody>
<tr>
<td>Teaching Assistantship (30)</td>
<td>2800-2900</td>
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<td>$345/yr.</td>
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<tr>
<td>Research Assistantship (6)</td>
<td>3300</td>
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<td>$345/yr.</td>
<td>10 Research</td>
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**Washington State University**

PULLMAN, WASHINGTON 99163  
O.W. Rechard, Chairman  
Department of Information Science

Applications must be filed by March 15, 1967

---

### NUMBER OF DEGREES AWARDED IN 1966

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### Type of financial assistance (with number anticipated in 1967-1968)

<table>
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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>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (8)</td>
<td>2800-3000</td>
<td>9</td>
<td>$345/yr.</td>
<td>4 1 hr. recitation sections</td>
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<td>Research Assistantship (10)</td>
<td>3300-3600</td>
<td>12</td>
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<td>Approx. Applications or systems programming</td>
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<tr>
<td>NSF and NDEA Traineeship (4)</td>
<td>Variable</td>
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**Western Washington State College**

BELLINGHAM, WASHINGTON 98225  
Joseph Hashisaki, Chairman  
Department of Mathematics

Applications must be filed by April 30, 1967

---

### NUMBER OF DEGREES AWARDED IN 1966

<table>
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<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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### Type of financial assistance (with number anticipated in 1967-1968)

<table>
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<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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<td>Teaching Assistantship (12)</td>
<td>2400</td>
<td>9</td>
<td>&quot;</td>
<td>5 Teaching</td>
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</table>

**West Virginia University**

MORGANTOWN, WEST VIRGINIA 26506  
I. Dee Peters, Acting Chairman  
Department of Mathematics

Applications must be filed by February 1, 1967

---

### NUMBER OF DEGREES AWARDED IN 1966

<table>
<thead>
<tr>
<th>Type of Degree</th>
<th>Baccalaureate Degrees by Institution:</th>
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<th>Master's Degrees by Department:</th>
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### Type of financial assistance (with number anticipated in 1967-1968)

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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>
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<tbody>
<tr>
<td>Teaching Assistantship (25)</td>
<td>1800-2200</td>
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Marquette University
MILWAUKEE, WISCONSIN 53233
C. B. Hanneken, Chairman
Department of Mathematics
Applications must be filed by March 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
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<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
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</thead>
<tbody>
<tr>
<td>Fellowship (2)</td>
<td>1350-2350</td>
<td>9</td>
<td>6 Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (12)</td>
<td>2100-2700</td>
<td>9</td>
<td>6 Teaching &amp; Research</td>
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<tr>
<td>Research Assistantship (2)</td>
<td>2000-2600</td>
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<tr>
<td>Scholarship (2)</td>
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<td>NSF Traineeship (2)</td>
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University of Wisconsin
MADISON, WISCONSIN 53706
Hans Schneider, Chairman
Department of Mathematics
Applications must be filed by February 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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 (69)</td>
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<td>Teaching Assistantship (170)</td>
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<tr>
<td>Research Assistantship (45)</td>
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<td>MRC Fellowship (10)</td>
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University of Wisconsin
MADISON, WISCONSIN 53706
G. E. P. Box, Chairman
Department of Mathematics
Applications must be filed by February 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (7)</td>
<td>2000-2500</td>
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</tr>
<tr>
<td>Teaching Assistantship (6)</td>
<td>3000</td>
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<td></td>
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<tr>
<td>Research Assistantship (18)</td>
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University of Wisconsin
MADISON, WISCONSIN 53706
S. C. Kleene, Acting Director
Mathematics Research Center, U.S. Army
Applications must be filed by February 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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>MRC Fellowship (12)</td>
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<tr>
<td>Director's Fellowship (3)</td>
<td>2900-3300</td>
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PH.D. Degrees awarded during last three years by field of specialization: Probability and Statistics, 9.

Number of Stipend:
- Amount 9 or 12 mo.:
  - 2000-3400
  - 2800-3400
  - 1260-2520
  - 2400-3300

Tuition, if not included in stipend:
- $330

Service Required:
- Hrs/Week Type
  - 6-8 Instruct and attend lectures
  - 1/4 - 1/2 time

University of Wisconsin
MADISON, WISCONSIN 53706
G. E. P. Box, Chairman
Department of Statistics
Applications must be filed by February 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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>Fellowship (7)</td>
<td>2000-2500</td>
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<tr>
<td>Teaching Assistantship (6)</td>
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</tr>
<tr>
<td>Research Assistantship (18)</td>
<td>3984</td>
<td>9</td>
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Number of Stipend:
- Amount 9 or 12 mo.:
  - 2000-3400
  - 2800-3400
  - 1260-2520
  - 2400-3300

Tuition, if not included in stipend:
- $330

Service Required:
- Hrs/Week Type
  - 6-8 Instruct and attend lectures
  - 1/4 - 1/2 time

University of Wisconsin
MADISON, WISCONSIN 53706
G. E. P. Box, Chairman
Department of Statistics
Applications must be filed by February 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount (dollars)</th>
<th>Tuition, if not included in stipend</th>
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<tr>
<td>Fellowship (7)</td>
<td>2000-2500</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (6)</td>
<td>3000</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (18)</td>
<td>3984</td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

Number of Stipend:
- Amount 9 or 12 mo.:
  - 2000-3400
  - 2800-3400
  - 1260-2520
  - 2400-3300

Tuition, if not included in stipend:
- $330

Service Required:
- Hrs/Week Type
  - 6-8 Instruct and attend lectures
  - 1/4 - 1/2 time

PH.D. Degrees awarded during last three years by field of specialization: Probability and Statistics, 9.

Number of Stipend:
- Amount 9 or 12 mo.:
  - 2000-3400
  - 2800-3400
  - 1260-2520
  - 2400-3300

Tuition, if not included in stipend:
- $330

Service Required:
- Hrs/Week Type
  - 6-8 Instruct and attend lectures
  - 1/4 - 1/2 time

University of Wisconsin
MADISON, WISCONSIN 53706
S. C. Kleene, Acting Director
Mathematics Research Center, U.S. Army
Applications must be filed by February 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount (dollars)</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></td>
</tr>
<tr>
<td>Director's Fellowship (3)</td>
<td>2900-3300</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

Number of Stipend:
- Amount 9 or 12 mo.:
  - 2000-3400
  - 2800-3400
  - 1260-2520
  - 2400-3300

Tuition, if not included in stipend:
- $330

Service Required:
- Hrs/Week Type
  - 6-8 Instruct and attend lectures
  - 1/4 - 1/2 time
**University of Wisconsin**

**Applications must be filed by February 1, 1967**

**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 1967-1968)</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 (5)</td>
<td>2250-3000</td>
<td>12</td>
<td>$325/yr.</td>
<td></td>
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</tr>
<tr>
<td>MRC Fellowship (4-5)</td>
<td>2400-2800**</td>
<td>12</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(1-2)</td>
<td>2900-3300**</td>
<td>12</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship (20)</td>
<td>2300-3006</td>
<td>9</td>
<td>$325/yr.</td>
<td>15-20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (10)</td>
<td>2500</td>
<td>9</td>
<td></td>
<td>1/2 time</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NSF Traineeship (4)</td>
<td>2400-2800</td>
<td>9 or 12</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Computing Assistantship (12)</td>
<td>310-320/mo.</td>
<td>10 or 12</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Project Assistantship</td>
<td>To be arranged on an individual basis</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**University of Wisconsin - Milwaukee**

**Applications must be filed by February 15, 1967**

**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 1967-1968)</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>University Fellowship (4)</td>
<td>2565-3135</td>
<td>9/12</td>
<td>$325</td>
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</tr>
<tr>
<td>Teaching Assistantship (44)</td>
<td>3087-3250</td>
<td>9</td>
<td>$325</td>
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<td>6</td>
<td>Teaching</td>
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<tr>
<td>NSF Fellowship (4)</td>
<td>2200-2300**</td>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>NSF Traineeship (5)</td>
<td>2400-2800**</td>
<td>12</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</table>

**Wisconsin State University-River Falls**

**Applications must be filed by April 1, 1967**

**Type of financial assistance (with number anticipated in 1967-1968)**

<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>
<th>Hrs./Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (8)</td>
<td>1800-2500</td>
<td>9</td>
<td></td>
<td>12</td>
<td>Assisting instructor in freshman math, courses</td>
</tr>
</tbody>
</table>

**University of Wyoming**

**Applications must be filed by March 1, 1967**

**Type of financial assistance (with number anticipated in 1967-1968)**

<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>
<th>Hrs./Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (20)</td>
<td>About 2600-3300</td>
<td>9</td>
<td>Included</td>
<td>5-8</td>
<td>Teaching</td>
</tr>
</tbody>
</table>

**WYOMING**
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 S. C. Kleene, Acting 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 Kleene. 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 Kleene about his progress.

The Departments of Mathematics, Statistics, and Computer Sciences and the Schools of Business and 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.

OFFERED by the
at the UNIVERSITY OF WISCONSIN

School of Business
Faculty includes: T.N.E.Greville (MRC), H.F.Karreman (MRC)
Areas of study: Approximation theory, actuarial mathematics, operations research

Computer Sciences Department
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.

School of Engineering
Faculty includes: Byron Bird, S.S.Cheng, R.Gaggioli, M.W.Johnson (Math), V.C.Rideout
Areas of study: Rheology, plastic flow, stress analysis, thermodynamics, elasticity, continuum mechanics, hybrid and analog computation

Department of Mathematics
Areas of study: Harmonic analysis, differential equations, analysis, approximation theory, probability, celestial mechanics, statistical mechanics, logic, integral equations, recursive functions, fluid dynamics, asymptotics, variational methods, Volterra equations, numerical analysis, applied mathematics, control theory, integral transforms, partial differential equations

Department of Statistics
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

MATHEMATICS RESEARCH CENTER, U.S. ARMY
**Acadia University**

**WOLFVILLE, NOVA SCOTIA, CANADA**

K. D. C. Haley, Chairman

Department of Mathematics

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</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 (1)</td>
<td>1600</td>
<td>9</td>
<td>$600</td>
<td></td>
</tr>
</tbody>
</table>

**Carleton University**

**OTTAWA, ONTARIO, CANADA**

D. K. Dale, Chairman

Department of Mathematics

Applications must be filed by March 1, 1967

**The Ph.D. degree program is at present in an embryo stage.**

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</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>1600</td>
<td>9</td>
<td>$420</td>
<td>4-5 Teaching Assistant</td>
</tr>
<tr>
<td>Teaching Assistantship (5)</td>
<td>1200-2000</td>
<td>9</td>
<td>$420</td>
<td>2-5 Teaching</td>
</tr>
<tr>
<td>Proctors (25)***</td>
<td>500-1000</td>
<td>9</td>
<td>$420</td>
<td>3-5 Proctor</td>
</tr>
</tbody>
</table>

**In addition to the Departmental Fellowships there are some 40 University Fellowships ($1600-$3000 open to graduate students in any discipline.**

**Proctors are used in the television instruction for First Year Courses.**

**Dalhousie University**

**HALIFAX, N.S., CANADA**

A. J. Tingley, Head

Department of Mathematics


<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</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 (25)</td>
<td>2000-3000</td>
<td>12</td>
<td>$540</td>
<td>5-6 Varies</td>
</tr>
</tbody>
</table>

**Lakehead University**

**PORT ARTHUR, ONTARIO, CANADA**

C. K. Meadley, Chairman

Department of Mathematics & Computer Science

Applications must be filed by May 1, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</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>1000-2000</td>
<td>9</td>
<td></td>
<td>35 Research</td>
</tr>
</tbody>
</table>

**McGill University**

**MONTREAL, QUEBEC, CANADA**

E. Rosenthal, Chairman

Department of Mathematics

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, 3; Probability and Statistics, 3. TOTAL: 11

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967–1968)</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>2000-3000</td>
<td>9</td>
<td>$640</td>
<td>3 or 6</td>
</tr>
<tr>
<td>Teaching Assistantship (23)</td>
<td>2000-4000</td>
<td>7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (30)</td>
<td>1300-1700</td>
<td>8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Summer Scholarship (30)</td>
<td>1000</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Demonstrators (35)</td>
<td>400-800</td>
<td>7</td>
<td></td>
<td>3 or 6</td>
</tr>
</tbody>
</table>
BROCK UNIVERSITY
ST. CATHARINES, ONTARIO, CANADA
DEPARTMENT OF MATHEMATICS

Brock University was incorporated in 1962 and is a rapidly-growing Provincially-supported university sited in the Niagara Peninsula. Vacancies will occur in the Department of Mathematics, for the session beginning September 1967, at the following levels:

(1) PROFESSOR OF MATHEMATICS
   (Salary Scale: $15,000 [Cndn.] up)

(2) ASSOCIATE PROFESSOR OF MATHEMATICS
   (Salary Scale: $11,500 [Cndn.] up)

(3) ASSISTANT PROFESSOR OF MATHEMATICS
   (Salary Scale: $ 9,000 [Cndn.] up)

Initial salaries will depend on qualifications and experience.
Those appointed at levels (1) and (2) will be expected to make a heavy contribution to the development of graduate and undergraduate courses. Provision for salary increment, promotion, retirement pension, insurance, moving expenses and medical coverage is generous. Full details of these and any other information will be provided on request.

Applications are invited from Mathematicians with a strong background in one or more of the following fields: Classical Analysis; Geometry, Topology; Algebra; Applied Mathematics; Numerical Analysis. A complete, or near complete, Ph.D. degree or equivalent experience is essential.

Applications should include the names of three referees and a detailed account of the applicant's qualifications and teaching experience; they should be addressed to the

Dean of Arts and Science
Brock University, St. Catharines
Ontario, Canada

Courses follow a common Canadian three-year Major, and four-year Honours structure, both of which will be in full operation in 1967-68.
The area enjoys a temperate climate, and the University is within a day's driving distance of major academic centres at Toronto, Hamilton, Rochester, Buffalo, Boston, Chicago, etc. It is hoped that computer facilities will be available from September 1967.
The appointments will have particular appeal for those who welcome the challenge of helping to build a strong department in a newly-established university.
McMaster University
HAMILTON, ONTARIO, CANADA
B. Banaschewski, Chairman
Department of Mathematics
Applications must be filed by March 1, 1967

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

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount 9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Assistantship (50)</td>
<td>400 8</td>
<td></td>
<td>3-4 Tutorials, Marking**</td>
</tr>
<tr>
<td>Scholarship (18)</td>
<td>1000-1500 8</td>
<td>$375</td>
<td></td>
</tr>
<tr>
<td>Summer Scholarship (20)</td>
<td>1000 4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Often a student will hold two of them.

Queen's University
KINGSTON, ONTARIO, CANADA
A. J. Coleman, Head
Department of Mathematics and Statistics

Applications must be filed by February 1, 1967

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 2; Analysis and Functional Analysis, 4. TOTAL: 6

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount 9 or 12 mo.</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 8</td>
<td></td>
<td>2-6 Teaching</td>
</tr>
<tr>
<td>Teaching Assistantship (30)</td>
<td>600-1500 8</td>
<td></td>
<td>2-5 Teaching or Marking</td>
</tr>
<tr>
<td>Research Assistantship (8)</td>
<td>1000-3000 9</td>
<td></td>
<td>8 Research</td>
</tr>
</tbody>
</table>

Simon Fraser University
BURNABY, B.C., CANADA
Ronald Harrop, Head
Department of Mathematics

Applications must be filed by February 1, 1967

Main areas for Ph.D. specialization are: Algebra and Number Theory, Logic, and Applied Mathematics.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount 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>2100-2520 6**</td>
<td>$150/sem. ***</td>
<td>15 Tutorials/Grading</td>
</tr>
</tbody>
</table>

** Many extendable to 12 months appointment by research assistantship ($1000).
*** Fees reduce to $20 per semester during the second year of studies.

Université de Montréal
MONTREAL, QUEBEC, CANADA
Maurice L'Abbé, Chairman
Department of Mathematics

Applications must be filed by February 1, 1967

PH. D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 2; Logic, 1; Probability and Statistics, 1. TOTAL: 4

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount 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>2300-2700 12</td>
<td>$500</td>
<td>4</td>
</tr>
<tr>
<td>Teaching Fellowship (10)</td>
<td>2000-3500 12</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Teaching Assistantship (20)</td>
<td>1000-3000 8</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
University of Alberta

EDMONTON, ALBERTA, CANADA

J. R. McGregor, Head
Department of Mathematics

Applications must be filed by March 1, 1967

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, 2; Probability and Statistics, 2; Computer Science and Numerical Analysis, 1; Applied Mathematics, 1. TOTAL: 11

Type of financial assistance (with number anticipated in 1967-1968)

<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>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Post Doctoral Fellowships</td>
<td>6000</td>
<td>12</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Post Doctoral Teaching Fellowships</td>
<td>8000 (6000)</td>
<td>12</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graduate Teaching Assistantship</td>
<td>2400-3000**</td>
<td>8</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graduate Research Assistantship</td>
<td>2000-2700</td>
<td>12</td>
<td>$400***</td>
<td>1/2 time</td>
<td></td>
</tr>
<tr>
<td>Scholarships (5)</td>
<td>2400</td>
<td>12</td>
<td>$400</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

** Students are usually eligible for summer assistantships of $1000.
*** In certain cases fees may be waived.

University of British Columbia

VANCOUVER 8, CANADA

R. D. James, Head
Department of Mathematics

Applications must be filed by March 1, 1967

PH.D. Degrees awarded during last three years by field of specialization: Algebra and Number Theory, 1; Geometry and Topology, 2; Analysis and Functional Analysis, 7; Applied Mathematics, 1. TOTAL: 11

Type of financial assistance (with number anticipated in 1967-1968)

<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>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship</td>
<td>1500-3200</td>
<td>12</td>
<td>$341</td>
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<td></td>
</tr>
<tr>
<td>Teaching Assistantship ** (30)</td>
<td>2400-2700</td>
<td>8</td>
<td>&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship ** (25)</td>
<td>1200-1800</td>
<td>8</td>
<td>&quot;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

** During the 4 summer months, additional grants of $1000 are available as research assistantships.

THE UNIVERSITY OF ALBERTA

Graduate Study in Mathematics to the M.Sc. or Ph.D. degree


TEACHING ASSISTANTSHIPS: $2400 to $3000 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 $2300 to $2700 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

961
University of Calgary

CALGARY, ALBERTA, CANADA
Richard K. Guy, Chairman
Department of Mathematics

Applications must be filed by December 1, 1966

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 1967-1968)</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 (20)</td>
<td>2400-2700</td>
<td>8</td>
<td>12</td>
</tr>
<tr>
<td>Research Assistantship (2)</td>
<td>2400-2700</td>
<td>8</td>
<td>12 Research</td>
</tr>
<tr>
<td>National Research Council (9)</td>
<td>2300-2700</td>
<td>8</td>
<td>12 Research</td>
</tr>
</tbody>
</table>

University of Manitoba

WINNIPEG 19, MANITOBA, CANADA
N. S. Mendelssohn, Head
Department of Mathematics

Applications must be filed by March 1, 1967

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

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount (dollars)</th>
<th>9 or Tuition, if not included in stipend</th>
<th>Service Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Post Doctoral Fellowship (3)</td>
<td>5000 (tax free)</td>
<td>12</td>
<td>3-5 Teaching</td>
</tr>
<tr>
<td>Post Doctoral Teaching Fellowship (2)</td>
<td>8000-9500</td>
<td>12</td>
<td>3-6 Problem Supervision</td>
</tr>
<tr>
<td>Teaching Assistantship (8)</td>
<td>2300-4000</td>
<td>12 $350</td>
<td>3-6 Problem Supervision</td>
</tr>
<tr>
<td>Research Assistantship (8)</td>
<td>2700-4500</td>
<td>12 $350</td>
<td>3-6 Problem Supervision</td>
</tr>
</tbody>
</table>

University of Ottawa

OTTAWA, ONTARIO, CANADA
V. Links, Chairman
Department of Mathematics

Applications must be filed by April 1, 1967

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

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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 (4)</td>
<td>2400</td>
<td>8 $350</td>
<td>6 Teaching</td>
</tr>
<tr>
<td>Research Assistantship (4)</td>
<td>2000-3000</td>
<td>12 &quot;</td>
<td>2 Research</td>
</tr>
<tr>
<td>Demonstrators (12)</td>
<td>800-1600</td>
<td>8</td>
<td>4 Teaching</td>
</tr>
</tbody>
</table>

University of Saskatchewan

REGINA, CANADA
C. L. Kaller, Chairman
Department of Mathematics

Applications must be filed by March 15, 1967

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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 (6)</td>
<td>2650-3200</td>
<td>12 $300</td>
<td>10 Teaching or teaching assistance</td>
</tr>
<tr>
<td>NRC (Canada) (2)</td>
<td>2650-3200</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

University of Saskatchewan

SASKATOON, SASKATCHEWAN, CANADA
Carman E. Miller, Head
Department of Mathematics

Applications must be filed by April 1, 1967

PH. D. Degrees awarded during last three years by field of specialization: Analysis and Functional Analysis, 4; Probability and Statistics, 1. TOTAL: 5

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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 (9)</td>
<td>2200-3200</td>
<td>12 $500</td>
<td>3 Teaching</td>
</tr>
<tr>
<td>Graduate Assistantship (3)</td>
<td>1850-2650</td>
<td>12</td>
<td>8 Grading Assignments</td>
</tr>
</tbody>
</table>
University of Toronto
TORONTO, ONTARIO, CANADA
D. B. DeLury, Chairman
Department of Mathematics
Applications must be filed by March 15, 1967

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, 7; Probability and Statistics, 7; Computer Science and Numerical Analysis, 1; Applied Mathematics, 7. TOTAL: 29

<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>
<th>Hrs/Week</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Fellowship</td>
<td>2250</td>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Teaching Assistantship</td>
<td>up to 1750</td>
<td>8</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Research Assistantship</td>
<td>2700</td>
<td>12</td>
<td>$478</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

University of Toronto
TORONTO, ONTARIO, CANADA
C. C. Gottlieb, Head
Department of Computer Science
Applications must be filed by March 15, 1967

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 1967-1968)</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>Research Assistantship (10)</td>
<td>1500-1700</td>
<td>5</td>
<td>$375</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Summer Assistantships</td>
<td>1000</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| **$600 extra available for 4 hrs/wk.**

University of Waterloo
WATERLOO, ONTARIO, CANADA
K. D. Fryer, Acting Chairman
Department of Mathematics
Applications must be filed by February 1, 1967

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 (with number anticipated in 1967-1968)</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>Fellowship (30)</td>
<td>1500**</td>
<td>8</td>
<td>$375</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Teaching Fellowship (55)</td>
<td>2600***</td>
<td>8</td>
<td></td>
<td></td>
<td>6-8</td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (12)**</td>
<td>Variable</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>** May be held with a partial Teaching Fellowship.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*** Partial Fellowships available.</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

University of Western Ontario
LONDON, ONTARIO, CANADA
G. R. Magee, Head
Department of Mathematics
Applications must be filed by March 1, 1967

PH. D. Degrees awarded during last three years by field of specialization: Probability and Statistics, 3; Applied Mathematics, 2. TOTAL: 5

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</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 Fellowship (4)</td>
<td>1600</td>
<td>9</td>
<td>$395</td>
<td></td>
<td>3</td>
<td></td>
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<tr>
<td>Teaching Assistantship (4)</td>
<td>2000</td>
<td>9</td>
<td></td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Research Assistantship (12)**</td>
<td>500-1500</td>
<td>9</td>
<td></td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Scholarship** (8)</td>
<td>1500-2000</td>
<td>12</td>
<td></td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>*** (6)**</td>
<td>2500-3000</td>
<td>12</td>
<td></td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>** Ontario Government Awards.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>*** National Research Council (Canada) Awards.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
First degree will be awarded in 1967.

<table>
<thead>
<tr>
<th>Type of financial assistance (with number anticipated in 1967-1968)</th>
<th>Amount (dollars)</th>
<th>9 or 12 mo.</th>
<th>Tuition, if not included in stipend</th>
<th>Service Required</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship (6)</td>
<td>1500-2500</td>
<td>9</td>
<td>$470</td>
<td>6</td>
<td>Marking</td>
</tr>
<tr>
<td>Teaching Fellowship (10)</td>
<td>2500-4000</td>
<td>9</td>
<td>&quot;</td>
<td>6-8</td>
<td>Presiding at Tutorials</td>
</tr>
</tbody>
</table>

**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 (Description of grant or contract). At the same time, he was a candidate for the degree of ___________. The research which he performed under this arrangement met, in part, the requirements for this 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.
TO WHOM IT MAY CONCERN:

During the calendar year 19___ (Name of Student) served as a [position] in the Department of [Department] at the [University] from [Start Date] to [End Date]. He was paid a stipend of $____. The funds were derived from [source]. At the same time, he was a candidate for the degree of [Degree]. 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. Write to The American-Scandinavian Foundation, 127 East 73 Street, New York, New York 10021.


Boris A. Bakhmeteff Research Fellowship in Mechanics of Fluids. Offered by Humanities Fund, Inc. Applicant must be a full-time student working toward a master's or doctorate. Study may be undertaken at an institution of the Fellow's choice. Applications must be filed by February 15, 1967 with Dean William Allan, School of Engineering and Architecture, The City College of New York, New York, New York 10031.

Center for Naval Analyses. Summer internships for graduate students in physical sciences, mathematics and economics for the summer of 1967. Candidates must have a bachelor's degree; a few exceptional candidates who have completed their junior year may be accepted. 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. W. Max Wise, 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 research and study grants to selected departments of selected graduate institutions 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 and Master's Fellowship Programs. Academic training leading to these degrees. Awards made in various fields of engineering and mathematics. Write to Mr. J. C. Cox, Manager, Corporate Personnel Administration, Hughes Aircraft Company, P. O. Box 90515, Los Angeles, California 90009.

International Business Machines Corporation Fellowships. In scientific and humanistic disciplines at selected schools, especially those in the areas where the applicant's research problem involves analysis or treatment using digital computers. Administered by participating institutions to whom all correspondence should be addressed. For further information write to Edmond A. Boules, Manager, Professional Activities, Department of Educational Affairs, International Business Machines Corporation, Armonk, New York 10504.

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. Open to men and women, preferably under thirty. Some graduate work is required. College graduates preparing to teach in American colleges and universities may apply. Fields unrestricted. Approximately 40 awards are made. Information is available by writing to Director, Kent Program, The Danforth Foundation, 607 North Grand Boulevard, St. Louis, Missouri 63103.

Lockheed Leadership Fund Fellowships. Five one-year fellowships are awarded at specified institutions by the Lockheed Leadership Fund, P. O. Box 551, Burbank, California.

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 Schools of Business or Engineering, at the University of Wisconsin. For information write to S. C. Kleene, Mathematics Research Center, United States Army, University of Wisconsin, Madison, Wisconsin 53706.

National Aeronautics and Space Administration. Predoctoral Research Traineeships. In space-related sciences and technology, including mathematics. Tenable at 152 participating universities. Applications should be directed to the dean of the graduate school of the university in which the applicant intends to enroll. U. S. citizenship is normally required. Support may extend for a 3-year period with an annual review of the program. Universities with qualified doctoral programs in space-related areas may submit proposals directly to the Office of Grants and Research Contracts, Code SC, National Aeronautics and Space Administration, Washington, D. C. 20546.

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 Academy of Sciences--National Research Council, 2101 Constitution Avenue, N. W., Washington, D. C. 20418. Applications due early in December.

National Science Foundation Graduate Traineeships. For 9- or 12-month study programs leading to the master's or doctoral degree. Summer traineeships will also be available for graduate teaching assistants to enable them to continue their studies during the summer on a full-time basis. Trainees must be U. S. citizens or nationals. Trainees are selected by the institution at which graduate study is to be undertaken, and application must be made to the university. Further information and a list of participating institutions may be obtained from the Graduate Traineeship Program, Division of Graduate Education in Science, National Science Foundation, Washington, D. C. 20550.

North Atlantic Treaty Organization Fellowships. Open to nationals of all NATO member countries for studies at foreign Institutes. Fellowships awarded by National Committees. Levels and fields vary with each member country of NATO. Write to appropriate agency in candidates own country, or to NATO, Place de Maréchal de Lattre de Tassigny, Porte Dauphine, Paris 16, France, who will furnish addresses of national agencies.

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 and Professorships, 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 and Stanford University. East of the Mississippi write to Dr. Philip G. Johnson, Coordinator, Shell Merit Programs, 3 Stone Hall, Cornell University, Ithaca, New York 14840; west of the Mississippi write to Dr. Paul DeHart Hurd, Coordinator, Shell Merit Programs, School of Education, Stanford University, Stanford, California.

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, 1967. 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, either during the summer or during the academic year. Deadline for applications is November 15, 1966 for the 1966-1967 academic year and February 15, 1967 for the summer of 1967. 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 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 student intends to study. For general information write to the Graduate Academic Programs Branch, Division of Graduate Programs, Bureau of Higher Education, Office of Education, United States Department of Health, Education, and Welfare, Washington, D. C. 20202.

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. 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: Dr. Willis R. Boss, 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 the doctor’s degree, but master’s degree candidates may also be eligible. Approximately 80 awards are made, 40% of which are in the physical and natural sciences. 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.

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. Applications in the 1967-1968 program must be received by January 16, 1967 by 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. John D. Wilkes, 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, Washington, D.C. 20333.

Alexander von Humboldt Foundation Fellowships. Fields of research and citizenship are unrestricted. Applicant must hold degree equivalent to German doctorate. Applicants as a rule should not be older than 35 and should have sufficient knowledge of German. Two types of research fellowships are offered to pursue advanced academic research projects at universities or academic research institutes in the Federal Republic of Germany and in West Berlin. Fellowship A: 10 month period, October 1 to July 31, with few exceptions; applicants must have at least two years' experience in teaching or research at the university level. An extension of the original award period is possible. Fellowship B: 6-12 months (no fixed commencing or terminating dates); applicants must have five years' experience in teaching at the university level or must have been engaged in independent research work at a research institution of university rank for several years with publications of high scholastic quality. Write to Alexander von Humboldt Foundation, 532 Bad Godesberg, Schillerstrasse 12, Federal Republic of 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 varying amounts according to need for candidates with Ph.D. or equivalent. Tenable abroad and in the United States. 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 Dr. M. D. Peterson, Laboratory Director's Office, Dept. T, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, Illinois 60439.


Benjamin Peirce Instructorship. The teaching commitment is six hours a week; 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 to Dr. Y. Shimamoto, Applied Mathematics Department, Brookhaven National Laboratory, Upton, Long Island, New York 11973.

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 \$9000 and the teaching load is six hours per week. 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 additional year. Applications should be filed not later than January 4 on forms obtained from the Department.

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 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, 1967.

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 1967-1968 must be submitted before February 1, 1967. Inquiries should be addressed to the Visiting Membership Committee of the Courant Institute, 251 Mercer Street, New York, New York 10012.


Eisenhower Exchange Fellowships, Inc. Leadership Grants for candidates from 30 to 45 years of age who have achieved considerable success in their field. Tenable in any country. Write to Eisenhower Exchange Fellowships, Inc., 256 South Sixteenth Street, Philadelphia, Pennsylvania 19102.

Ford Foundation Faculty Fellowships for Research in Economics. Interest in statistics. Qualifications are a Ph.D. degree or equivalent research training and experience. Nominee must be a full time faculty member at an institution in the U.S. or Canada that offers graduate degrees in the field covered and must not be over 45 years of age. Nomination is by U.S. or Canadian departments of economics and social science departments offering graduate degrees. Approximately 20 awards are made. For information write to Fellowship Program in Business Administration and Economics, The Ford Foundation, 477 Madison Avenue, New York, New York 10022.

Ford Foundation Faculty Fellowships for Research on Business. Interest in statistics. Qualifications are a Ph.D. degree or equivalent research training and experience. Nominee must be a full-time faculty member at an institution in the U.S. or Canada that offers graduate degrees in the fields covered and must not be over 45 years of age. Nomination is by U.S. or Canadian Schools of business and social science departments offering graduate degrees. Approximately 20 awards are made. For information write to Fellowship Program in Business Administration and Economics, The Ford Foundation, 477 Madison Avenue, New York, New York 10022. The 1967-1968 competition is the last such competition to be held by the Foundation.

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 \$9000 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 February 1.
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 1967-1968. 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, 1967, 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 John G. Kemeny, Chairman, Mathematics Department, Dartmouth College, Hanover, New Hampshire 03755.

Lawrence Radiation Laboratory, Berkeley. Postdoctoral research appointments in numerical analysis, applied mathematics and computational science. Write to Kent K. Curtis, Mathematics and Computing Group, Lawrence Radiation Laboratory, University of California, Berkeley, California 94704.

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 S. C. Kleene, 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. 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, Room 321, 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 Grants and Research Contracts, Code SC, 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. If a candidate for a postdoctorate fellowship indicates on his application to Council that he is interested in a university fellowship, copies of the application and of supporting
documents will be sent to the university of his choice; further negotiations will be between the university and the applicant. Write to Awards Office, National Research Council, Montreal Road, Ottawa 7, Canada.

National Research Council Postdoctoral Resident Research Associateships. Offered to U. S. citizens holding the Ph.D. in basic and applied physical and biological sciences. Tenable at the following laboratories: David Taylor Model Basin (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 Ordnance Test Station (China Lake, California); Naval Research Laboratory (Washington, D. C.); Navy Electronics Laboratory (San Diego, California); ten pioneering laboratories of the Agricultural Research Service, nine 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 318, National Research Council, 2101 Constitution Avenue, N. W., Washington, D. C. 20418. (*Also open to non-U. S. citizens.)


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 325 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 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 Academy of Sciences--National Research Council, 2101 Constitution Avenue, N. W., Washington, D. C. 20418. Applications due in early December.

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 maintains 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 Foundation, Washington, D. C. 20550. Application should be made directly to the institution.

National Science Foundation Senior Postdoctoral Fellowships. Candidate must have held a doctoral 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 100 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.

Office of Naval Research. Postdoctoral research associateships have been established through grants from ONR to selected universities. Request applications from the Mathematics Branch, Office of Naval Research, Washington, D. C. 20360.

Office of Naval Research, Research Contracts. Support of basic research in broadly selected fields of applied mathematics and numerical analysis. Proposals for contracts should be addressed to the Mathematics Branch, Office of Naval Research, Washington, D. C. 20360.

Shell Foundation, Incorporated. Shell Merit Residences. 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 Programs, 3 Stone Hall, Cornell University, Ithaca, New York 14850 or to Dr. Paul DeHart Hurd, Coordinator, Shell Merit Programs, School of Education, Stanford University, Stanford, California.

Shell Merit Fifth Year Scholarships at Cornell University. For graduates of a college or university as National Merit Scholars 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, 3 Stone Hall, Cornell University, Ithaca, New York 14850.
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 Associateships. 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 1, 1967. 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. See Section I.


United States Army Research Office--Durham. Research grants and contracts for basic research 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.


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.

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, 15 Gillette Park, Boston, Massachusetts 02106.

Eisenhower Exchange Fellowships, Inc. See Section II.

Ford Foundation Faculty Fellowships for Research in Economics. Postdoctoral. See Section II.

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, 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 U. S. university must apply through the Fulbright Program Advisor at his university. Unenrolled students may apply through the Institute of International Education. III. regional offices are: 116 South Michigan Avenue, Chicago, Illinois 60603; 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 3 to twelve months, including summer. Qualifications include U. S. citizenship and sufficient language proficiency to carry out the proposed program of study and research. Deadlines are: fall semester, previous to November 1; spring semester or summer, previous to 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 the 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 to 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 15 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 16, Massachusetts 02116; (2) Mid-East: 845 Third Avenue, New York, New York 10022; (3) South: Suite 1501, 225 Baronne Street, New Orleans, Louisiana 70112; (4) Mid-West: 200 South Michigan Avenue, Chicago, Illinois 60604; (5) Pacific: 343 Sansome Street, San Francisco, California 94104.

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 Academy of Sciences--National Research Council, 2101 Constitution Avenue, N. W., Washington, D. C. 20418.

Organization of American States Fellowships. See Section I.

Paderewski Foundation. Grants for study or research for candidates, preferably of Polish descent, aged 22 to 35 and holding the bachelor's degree. Write to Paderewski Foundation, 55 West 42nd Street, New York, New York 10036.

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 Fellowships for International Understanding. One academic year of graduate 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 goodwill”. Fellowships 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 must be unmarried and between the ages of 20 and 28 inclusive as of July, 1968; have a bachelor's degree or equivalent prior to the beginning of his Fellowship year. Application must be made through the Rotary Club nearest to the applicant's permanent residence not later than March 15, 1967.

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. Write to Royal Norwegian Council for Scientific and Industrial Research, Gaustadalleen 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 or 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. Five 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 their master's degree and a 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.

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 in jet propulsion, space flight and flight structures. For Canadian citizens for graduate study at specified institutions. See Section I.

Ford Foundation Faculty Fellowships for Research on Business. Interest in statistics. See Section II.

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: Cargen House, Harambee Avenue, (Post Office Box 5869), Nairobi, Kenya; Maximo Abril 599, (Apartado 300), Lima, Peru; 78 North Sathorn Road, Bangkok, Thailand; Reid Hall, 4 Rue de Chevreuse, Paris 6, France.
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 27 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

Directory of Fellowships in the Arts and Sciences, Council on Education, 1785 Massachusetts Avenue, N. W., Washington, D. C.


S. Norman Feingold, Scholarships, Fellowships and Loans, News Service. $20 per year. Up-to-date information regarding student financial aid. Annotated bibliography of books and professional journals. For publisher see above.


Graduate Fellowships, TIME College Report, Time, Radio City, Box 1000, New York, New York 10019, 1965 (free).


A Selected List of Major Fellowship Opportunities and Aids to Advanced Education for United States Citizens. Fellowship Office, National Academy of Sciences--National Research Council, 2101 Constitution Avenue, N. W., Washington, D. C. 20418. 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.


The Commission on Plans and objectives for Higher Education of the American Council of Education undertook in 1964 a study of the quality of education in colleges and universities in the United States. The findings were published in 1966 in a book by Allan Cartter, Director of the Commission, entitled "An Assessment of Quality in Graduate Education."* We have reproduced the tables listed under mathematics.

Obviously the assessment of quality is a difficult task and we quote** from the book concerning the question, "Why try to assess quality?"

"A number of reasons can be advanced for undertaking such a study. The diversity of the American system of higher education has properly been regarded by both the professional educator and the layman as a great source of strength, since it permits flexibility and adaptability and encourages experimentation and competing solutions to common problems. Yet diversity also poses problems. It has frequently been noted that the poorest graduates of some selective colleges are better educated than the best students at some mediocre institutions. The typical baccalaureate winner at a few of the more prestigious liberal arts colleges is superior to the master's degree holder of some of the poorer universities. At the level of the Ph.D., great diversity in quality is known to exist among the approximately two hundred institutions granting this degree today.

"Diversity can be a costly luxury if it is accompanied by ignorance. Our present system works fairly well because most students, parents, and prospective employers know that a bachelor's degree from Harvard, Stanford, Swarthmore, or Reed is ordinarily a better indication of ability and accomplishment than a bachelor's degree from Melrose A & M or Siwash College. Even if no formal studies were ever undertaken, there is always a grapevine at work to supply impressionistic evaluations. However, evaluation by rumor and word of mouth is far from satisfactory, particularly in advanced training for scholarship and the professions...

"Evaluation of quality in education, at both the undergraduate and graduate levels, is important not only in determining the front-ranking institutions, but also in identifying lower-ranking colleges. Many prospective graduate students would not be suited to an education at Harvard, the Rockefeller Institute, or California Institute of Technology. Other institutions in view of their educational offerings, level of work, and quality of students, would provide a happier and more productive experience. Universities, through their selection procedures, and students, through their natural proclivities, tend to sort themselves out into congenial environments. Anything that aids in this process—which is now accomplished rather haphazardly—may be useful in itself.

"The assessment of quality in undergraduate colleges is a popular pastime today, as witnessed by the spate of books published in recent years for the general public, untold numbers of magazine articles and newspaper reports, and renewed interest in college "selector" services to help match students and colleges. Similar evaluations of education at the graduate level—although less publicized and less available to the general public—have been undertaken in the past and are being made today. Three major studies of quality in graduate education have been made during the last forty years, two by Raymond Hughes, in 1924 and 1934, and one by Hayward Keniston, in 1957. More recently, many agencies and organizations have been making their own evaluations. Most foundations continually make such assessments in an informal manner, and some (such as the Ford Foundation) that are engaged in major capital grants programs have developed formal and comprehensive procedures. The National Science Foundation, the National Institutes of Health, the Office of Education, and the National Aeronautics and Space Administration—to mention only the major Federal agencies supporting graduate education and research—have all participate in evaluation studies of universities through the use of select panels, study teams, site visits, and the like.

"In deciding to undertake an evaluation of quality in graduate education, the Commission took it as given that the public and its formal agencies will increasingly demand better information on graduate and professional education. It was known that the government agencies and private foundations engaged in making assessments frequently did so with limited information, and were basing major decisions on their findings. In the view of the Commission too much reliance was being placed upon earlier, and now outdated, studies, which had surveyed only a limited number of prestigious universities.

"It was also felt that university presidents, deans, and department chairmen could benefit substantially from having such assessments made available periodically, even if the results were not always flattering. The last two purposes could have been served by confidential reports, but it was hoped that public discussion and criticism might be a means of improving future studies of quality.

* Published by the American Council on Education, 1785 Massachusetts Avenue, N. W., Washington, D. C. 20036.

** With permission of the publisher
"The project was considered especially timely in view of the rapid expansion now occurring in graduate enrollments and in light of the impending marked increase in financial support for graduate education from governmental and private agencies. Since the current tendency in Federal aid is to increase the number of institutions which are strong centers of graduate education rather than to expand support for already outstanding institutions, such an evaluation of present strengths may be viewed with greater objectivity. (At least one major university has spent considerable time recently trying to convince a Federal agency that it is not one of the top twenty universities in the country and thus is eligible for support as a "university of promise.")"

### Leading Departments, by Rated Quality of Graduate Faculty

<table>
<thead>
<tr>
<th>Institution</th>
<th>All Respondents</th>
<th>Chairman</th>
<th>Senior Scholars</th>
<th>Junior Scholars</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Rank</td>
<td>Score</td>
<td>Rank</td>
<td>Score</td>
</tr>
<tr>
<td>&quot;Distinguished&quot;</td>
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<td>M.I.T.</td>
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<td>Stanford</td>
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<td>6*</td>
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<td>N.Y.U.</td>
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<td>9</td>
<td>4.02</td>
<td>9</td>
<td>3.97</td>
</tr>
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</table>

| "Strong" |      |       |      |       |      |       |      |       |
| Wisconsin   | 10   | 3.88  | 10   | 3.91  | 11   | 3.93  | 10   | 3.78  |
| Michigan    | 11   | 3.86  | 11   | 3.82  | 10   | 4.00  | 11   | 3.67  |
| Illinois    | 12   | 3.74  | 12   | 3.79  | 12   | 3.84  | 13   | 3.57  |
| Cornell     | 13   | 3.70  | 13   | 3.72  | 13   | 3.80  | 14   | 3.54  |
| Cal. Tech.  | 14   | 3.66  | 14   | 3.54  | 14   | 3.73  | 12   | 3.60  |
| Minnesota   | 15   | 3.48  | 15   | 3.42  | 16   | 3.52  | 15   | 3.44  |
| U.C.L.A.     | 16   | 3.47  | 15   | 3.50  | 14   | 3.53  | 16   | 3.34  |
| Washington (Seattle) | 17  | 3.39  | 16   | 3.48  | 18   | 3.39  | 17   | 3.31  |
| Brown       | 18   | 3.36  | 18   | 3.38  | 17   | 3.41  | 19*  | 3.26  |
| Brandeis     | 19   | 3.24  | 21   | 3.20  | 21   | 3.22  | 18   | 3.29  |
| Johns Hopkins | 20   | 3.23  | 23   | 3.12  | 19   | 3.34  | 23   | 3.11  |
| Northwestern | 21   | 3.21  | 21   | 3.23  | 20   | 3.24  | 22   | 3.13  |
| Pennsylvania | 22   | 3.15  | 22   | 3.18  | 25   | 3.10  | 21   | 3.18  |
| Purdue       | 23   | 3.14  | 25   | 3.00  | 24   | 3.12  | 19*  | 3.26  |
| Virginia     | 24   | 3.13  | 19   | 3.32  | 22   | 3.17  | 24   | 2.90  |
| Indiana      | 25   | 3.02  | 24   | 3.05  | 23   | 3.15  | 25   | 2.82  |

"Good" (7 departments arranged alphabetically):
- Duke
- Ohio State
- Rochester
- North Carolina

"Adequate plus" (14 departments arranged alphabetically):
- Carnegie Tech.
- Notre Dame
- Texas
- Colorado
- Oregon
- Washington (St. Louis)
- Iowa (Iowa City)
- Penn State
- Wayne State
- Kansas
- Southern California
- Yeshiva
- Michigan State
- Syracuse

† These tabulations and those for the effectiveness of the graduate program are based on ratings of the 81 institutions in the survey universe that reported the award of one or more doctorates in mathematics from July 1952 through June 1962.

* Rank and score shared with another department.

### Profile of Respondents

<table>
<thead>
<tr>
<th>Respondents</th>
<th>Number</th>
<th>Average Age</th>
<th>Average Number of Publications Since Highest Degree</th>
<th>Professional Meetings Attended in Last Four Years</th>
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<td></td>
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<td>1.2</td>
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<td>Junior scholars</td>
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### Respondents' Division of Time for Professional Activities

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<th>Respondents</th>
<th>Instruction</th>
<th>Research and Writing</th>
<th>Administration</th>
<th>Other Professional</th>
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<tr>
<td>Junior scholars</td>
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<td>32</td>
<td>58</td>
<td>27</td>
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Leading Departments, by Rated Effectiveness of Graduate Program

<table>
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<th>Institution</th>
<th>All Respondents</th>
<th>Chairmen</th>
<th>Senior Scholars</th>
<th>Junior Scholars</th>
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<td>Score</td>
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<td>&quot;Extremely attractive&quot;</td>
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<td>Princeton</td>
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<tr>
<td>Harvard</td>
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<tr>
<td>California, Berkeley</td>
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<td>10</td>
<td>1.97</td>
</tr>
</tbody>
</table>

| "Attractive"           |      |       |      |       |      |       |      |       |
| Cal. Tech.             | 10*  | 1.99  | 11   | 1.81  | 11   | 2.07  | 9    | 2.00  |
| Michigan               | 10*  | 1.99  | 9    | 2.03  | 10   | 2.12  | 14   | 1.77  |
| N.Y.U.                 | 12   | 1.87  | 12*  | 1.77  | 12   | 1.96  | 11*  | 1.81  |
| Illinois               | 13*  | 1.79  | 15   | 1.59  | 13   | 1.88  | 13   | 1.80  |
| Washington (Seattle)   | 13*  | 1.79  | 12*  | 1.77  | 15   | 1.79  | 11*  | 1.81  |
| Columbia               | 15   | 1.73  | 14*  | 1.65  | 14   | 1.80  | 16   | 1.69  |
| Minnesota              | 16   | 1.65  | 14*  | 1.65  | 17   | 1.72  | 18   | 1.54  |
| Brandeis               | 17*  | 1.63  | 20   | 1.43  | 19   | 1.67  | 15   | 1.74  |
| Brown                  | 17*  | 1.63  | 19   | 1.45  | 18   | 1.70  | 17   | 1.65  |
| U.C.L.A.               | 17*  | 1.63  | 16   | 1.56  | 16   | 1.75  | 19   | 1.51  |
| Northwestern           | 20   | 1.52  | 17*  | 1.47  | 21   | 1.60  | 20   | 1.46  |

| "Acceptable plus"      |      |       |      |       |      |       |      |       |
| (24 departments arranged alphabetically): |      |       |      |       |      |       |      |       |
| Carnegie Tech.          |      |       |      |       |      |       |      |       |
| Colorado               |      |       |      |       |      |       |      |       |
| Duke                   |      |       |      |       |      |       |      |       |
| Indiana                |      |       |      |       |      |       |      |       |
| Johns Hopkins          |      |       |      |       |      |       |      |       |
| Kansas                 |      |       |      |       |      |       |      |       |
| Maryland               |      |       |      |       |      |       |      |       |
| Michigan State         |      |       |      |       |      |       |      |       |
| * Rank and score shared with another department. |

High-Ranking Graduate Departments:
Hughes, Keniston, and A.C.E. Studies

<table>
<thead>
<tr>
<th>Top 13 Departments, Hughes Study, 1925</th>
<th>Top 16 Departments, Keniston Study, 1957</th>
<th>Top 20† Departments, Rated Quality of Faculty, A.C.E. Study, 1964</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Harvard</td>
<td>2. Chicago</td>
<td>2. California, Berkeley</td>
</tr>
<tr>
<td>15. Texas</td>
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<td>16. U.C.L.A.</td>
</tr>
<tr>
<td></td>
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<td>17. Washington (Seattle)</td>
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<td></td>
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<td>18. Brown</td>
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<td></td>
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<td>19. Brandeis</td>
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<tr>
<td></td>
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<td>20. Johns Hopkins</td>
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</tbody>
</table>

* Rank shared with another department.
† These 20 departments represent 25 percent of the 81 departments for which ratings were calculated.
- Technical and specialized institutions are omitted from the Keniston study.


Aanderaa, S. O. A reduction method for special cases of the decision problem, 261; Relation between different systems of modal logic, 391; Some recursively undecidable problems in automata theory and quantification theory, 509; On limits of simultaneous polynomial iterations. Preliminary report, 643.

____. See Cook, S. A.

Abian, Alexander. Aleph limit points of sets of transfinite dyadic sequences, 507; Aleph topologies for the space of transfinite dyadic sequences, 640; Some theorems concerning aleph topologies of the space of transfinite dyadic sequences, 714.

Abian, Alexander. See LaMaccia, Samuel.

Abian, Alexander and Deever, David. On representation of partially ordered sets, 139; On the minimal length of sequences representing simply ordered sets, 256; On the bounds of the minimal length of sequences representing simply ordered sets, 378.


Adams, W. W. Asymptotic diophantine approximations to $e$, 350.

Ahern, Patrick and Sarason, Donald. Representing measures for function algebras, 95.

Ahlberg, J. H., Nilson, E. N., and Walsh, J. L. Convergence properties of cubic splines, 140; Complex cubic splines, 231.

Akemann, C. A. The dual space of an operator algebra. Preliminary report, 239; Some mapping properties of the group algebras of a compact group, 638.

Alford, W. R. Cantor sets in Euclidean three space, 252.

____. See Sher, R. B.


Allen, J. E. Inverse star envelope of a subset of a LTS, 373.

Al-Salam, W. A. Fractional q-integration and q-differentiation, 243.

Alvarez, L. R. Undirected graphs realizable as graphs of semimodular lattices, 116.

Ames, W. F. See Jones, S. E.

Anderson, J. M. See Peinado, R. E.


Angotti, Rodney. On the geometric invariants which characterize a group, 586.

Anvari, Morteza. A topology on a measure space, 469.

Appel, K. I. No r.e. set is the union of finitely many immune retraceable sets, 489; There exist two regressive sets whose intersection is not regressive, 732.

Appling, W. D. L. Concerning some characterizations of absolute continuity, 145; Concerning a certain linear integral equation, 385; A note on the finite additivity of certain set functions, 718; A note on a nonlinear integral equation, 857.

Ar, Ergun. On the solution of Kleinman's equation in a Banach space, 835.


Armentrout, Steve. Concerning a wild 3-cell described by Bing, 108; Cellular decompositions of 3-manifolds that yield 3-manifolds, 374.


Arnold, L. K. On sigma-finite invariant measures. Preliminary report, 326; A transformation with no invariant measure, 491.

Aronson, D. G. and Serrin, James. A Harnack inequality for nonlinear parabolic equations, 381.
Aronszajn, Nachman. Extension of unbounded operators in a Hilbert space, 238.
   
   See Adams, R.

   See Brown, R. D.


Arraut, J. L. Nota sobre primeras integrales, 851.

Arsove, M. G. Intrinsic characterization of regions bounded by closed curves, 831; Some boundary properties of the Riemann mapping function, 837.

Arsove, M. G. and Huber, Alfred. On the existence of nontangential limits of subharmonic functions, 367.

Artzy, Rafael. Noneuclidean incidence planes II, 76.

Asenjo, F. G. Rings of term-relation numbers as nonstandard models, 711.

Aull, C. E. A closed set axiom of countability, 61; Some metrization theorems, 381; Compactness as a base axiom, 589.

Axt, Paul and Singletary, W. Decision problems for monogenic post normal systems, 649.

Azpeitia, A. G. Linear separability of switching functions, 338.

Bachmuth, Seymour and Hughes, I. Centers of certain presentations of finite groups, 576.

Bachmuth, Seymour and Mochizuki, H. Y. Ideals and automorphism of metabelian groups, 330.


Beltrami, E. J. A time domain characterization of linear scattering systems, 329.

Bender, E. A. The minimum dimension of symmetric matrices with a given root, 242; Characteristic polynomials of symmetric matrices, 489.

Bennett, R. B. Selfreproductive sets, 102.

Benson, C. T. Two nonisomorphic (v,k,λ) designs with similar incidence matrices, 249.

Barwise, Jon. Logical validity in languages with metafinite formulas, 730; Axiomatic theories in metafinite logic, 855.

Bastel, H. R. See Charmonman, Srisakdi.

Baxter, Glen. A necessary condition for 4-coloring a planar graph, 486.


Baxter, W. E. and Haeussler, E. F. Generating submodules in simple rings with involution, 238.


Bear, H. S. Topologies of the Šilov boundary and equicontinuity in function spaces, 600.

Bear, H. S. and Gleason, A. M. An integral formula for abstract harmonic or parabolic functions, 348.

Bear, H. S. and Weiss, M. L. An intrinsic metric for parts, 836.

Beaumont, R. A. Abelian groups which are determined by their group of mappings, 351.

Bechtell, H. F. A note on solvable K-groups, 332.

Beck, Anatole. The linear search problem, 341.


Beldin, D. R. Some analysis on compact groups, 100.

Belluce, L. P. Rings with a polynomial constraint, 645.

Beltrami, E. J. A time domain characterization of linear scattering systems, 329.

Bender, E. A. The minimum dimension of symmetric matrices with a given root, 242; Characteristic polynomials of symmetric matrices, 489.


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Benson, C. T. Two nonisomorphic (v,k,λ) designs with similar incidence matrices, 249.
Benson, D. C. Inequalities involving integrals of functions and their derivatives, 602.

Benton, S. H. Minimal extensions of Hausdorff and regular spaces, 626.

Bentsen, Irving. The existence of solutions for abstract partial difference polynomials, 643.


Berger, M. S. On the spectrum of nonlinear elliptic partial differential equations, 603.


Bernardi, S. D. Special classes of subordinate functions, 480; Convex and starlike univalent functions, 619.

Berthiaume, Pierre. The injective envelope in the category of semigroup, 502.

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Bethel, E. L. On reducibility of continua, 52; Concerning continuous collections of mutually exclusive continua, 364.


Bharucha-Reid, A. T. See Seidman, T. I.

Bhatia, N. P. An oscillation theorem, 243.


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Block, R. E. On the orbits of collineation groups, 848.

Bogdanowicz, W. M. An approach to the theory of integration generated by positive linear functionals, 84; A necessary and sufficient condition for two volume spaces to generate the same space of Lebesgue-Bochner summable functions, 327; A Baire type characterization of Lebesgue-Bochner measurable functions, 364; Existence and characteristic properties of maximal and minimal volume spaces generating the same integration as a given volume, 480; Vectorial integration and extensions of vector measures, 586.

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Bogdanowicz, W. M. and Sullivan, R. H. Vectorial integration generated by finite additive vector measures, 89; An approach to the theory of $L_p$-spaces of vector-valued functions generated by finite-additive measures, 614.

Bohun-Chudy, Volodymyr. On the generalized (double) triple-systems with some applications, 337; On generalized n-tuple systems and generalized double n-tuple systems with some applications, 617.


Bojanic, Ranko and DeVore, R. H. On polynomials of best one sided approximation, 251.

Bollman, D. A. Formal nonassociative number theory, 724.

Bonsall, F. F., Lindenstrauss, Joram and Phelps, R. R. Extreme positive operators on algebras of functions, 73.

Borges, C. R. A note on a problem of Mrówka, 502; Continuous extensions, 727; Topological properties preserved by multi-valued functions, 856.


Boose, A. K. An extension of weighted average property, 90; A mean value characterisation of elliptic equations with real constant coefficients, 816.

Boose, R. C. A theorem on regular graphs, 505.


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Boylan, E. S. Stability theorems for solutions to the optimal inventory equations, 595.

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Bradford, Robert. Undecidability of the elementary theory of Dedekind cardinal addition, 499.

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Bragg, L. R. The radial heat equation and Laplace transforms, 103.


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Coffman, C. V. and Ullrich, D. F. On the continuation of solutions of a certain nonlinear differential equation, 816.

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- G. Kreisel (Paris) Winter
- D. Luckham (Manchester) Spring
- J. Malitz (UCLA)
- Y. Moschovakis (UCLA)
- A. Robinson (Yale) Winter Visit
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