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TITLE Summary of the Applicant Record Cards Submitted to the Summer 1963 and School Year 1963-64 National Science Foundation Institutes, Conferences and Research Participation Programs.

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ABSTRACT

This document presents a summary of the characteristics (age, previous participation, geographic distribution, major educational assignment, subject matter responsibility, level of assignment, and name of school where employed) of applicants and participants in National Science Foundation (NSF) funded institutes and research participation programs for science, mathematics, and engineering teachers throughout the United States during the summer of 1963 and the 1963-64 school year. (SL)

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ED160341

Summary

of the

APPLICANT RECORD CARDS

submitted to the

SUMMER 1963

and

SCHOOL YEAR 1963 - 64

NATIONAL SCIENCE FOUNDATION

INSTITUTES, CONFERENCES

and

RESEARCH PARTICIPATION PROGRAMS

U.S. DEPARTMENT OF HEALTH,
EDUCATION & WELFARE
NATIONAL INSTITUTE OF
EDUCATION

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NATIONAL SCIENCE FOUNDATION

WASHINGTON, D. C.

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of the
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submitted to the
SUMMER 1963
and
SCHOOL YEAR 1963-64
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Institutes, Conferences
and
Research Participation Programs

Prepared for the National Science Foundation

by

Ernest E. Blanche & Associates, Inc.
Kensington, Maryland

Under Contract NSF-C 273

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FOREWORD

The National Science Foundation Institute programs are designed to make it possible for in-service teachers in elementary schools, secondary schools, and colleges to obtain additional instruction and become acquainted with new developments in science and mathematics.

Among Foundation-supported training programs for teachers, the following major types are included in this summary:

1. Summer Institutes, which offer an average of seven weeks of intensified study to college, high school and elementary school teachers;
2. Summer Conferences, which are short-term programs for college teachers;
3. Academic Year Institutes, which are conducted through the entire academic year offering full-time study for college and high school teachers;
4. In-Service Institutes for high school teachers of science and mathematics, and for elementary school supervisors and teachers;
5. Research Participation Programs, which offer teachers in small colleges and secondary schools a summer program of laboratory research work.

The Foundation provides support for Institutes on the basis of proposals submitted by colleges and universities outlining the work that will be offered. Foundation funds may be used to pay the principal management and instructional costs, and provide stipends and travel dependency allowances for teacher-participants, except for In-Service Institutes, which do not provide stipends or dependency allowances. Institutions receiving grants are responsible for the administration of Institute programs, including selection of faculty and teacher-participants, payment of stipends, planning and conduction of courses, seminars, and activities.

An Institute may offer work in a single field (i.e., biology) or in several areas (i.e., chemistry, physics, and mathematics). Graduate credit is frequently available to those who complete the work successfully; a sequence of

**NATIONAL SCIENCE FOUNDATION
SUMMER INSTITUTES APPLICANT RECORD CARD**
(SEE REVERSE SIDE FOR INSTRUCTIONS)

1. APPLICATION MADE TO: COMPLETE Clark Laura A
Michigan State University
(NAME OF INSTITUTION)

2. NAME OF DIRECTOR: Dr Thomas Lough

3. SOCIAL SECURITY NO. 5253-160-36 5. DATE OF BIRTH 8 17 33
CURRENT 3410 Glenmoor Drive 6. RESIDENCE Jackson Michigan
CITY ZONE STATE

7. MAJOR LEVEL OF ASSIGNMENT: CHECK ONE
COLLEGE JUNIOR COLLEGE
SECONDARY: GRADES 7-8 OR 9
GRADES 9-12 OR 10-12
ELEMENTARY (1-6) OTHER

8. MAJOR ASSIGNMENT: CHECK ONE
TEACHING RESEARCH
SUPERVISION ADMINISTRATION
OTHER

9. SUBJECT MATTER RESPONSIBILITIES THIS TERM:
BIOLOGY GENERAL SCIENCE
CHEMISTRY MATHEMATICS
EARTH SCIENCES PHYSICS
ENGINEERING OTHER

10. PREVIOUS ATTENDANCE AT NSF TEACHER TRAINING PROGRAMS:

NAME OF INSTITUTION	PROGRAM	YEAR	SUPPORT		
			FULL	PART	NONE
<u>Penn State</u>	<u>SI</u>	<u>1962</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Univ. of Mich.</u>	<u>SI</u>	<u>1961</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

11. NAME OF SCHOOL OR INSTITUTION WHERE EMPLOYED:
Bethesda Chevy Chase H.S.
CITY: Jackson STATE: Michigan

DO NOT WRITE IN SPACE BELOW - For Director's use only

① ② ③

**NATIONAL SCIENCE FOUNDATION
DIVISION OF SCIENTIFIC PERSONNEL AND EDUCATION**
INSTRUCTIONS TO THE APPLICANT

THIS CARD MUST ACCOMPANY EVERY APPLICATION SUBMITTED TO A TEACHER-TRAINING PROGRAM SPONSORED BY THE NATIONAL SCIENCE FOUNDATION. PLEASE PRINT. DO NOT FOLD, SPINDLE OR MUTILATE.

DIRECTIONS FOR COMPLETING ITEMS 9 AND 10.

9. SUBJECT MATTER RESPONSIBILITY - MARK THE BOX BY EACH SUBJECT IN WHICH YOU HAVE A SPECIFIC RESPONSIBILITY UNDER YOUR MAJOR ASSIGNMENT.

10. BEGINNING WITH MOST RECENT PROGRAM ATTENDED FURNISH THE FOLLOWING INFORMATION:

NAME OF INSTITUTION - PRINT NAME OF INSTITUTION AT WHICH YOU PARTICIPATED IN AN NSF-SUPPORTED TEACHER-TRAINING PROGRAM.

PROGRAM - INSERT THE APPROPRIATE ABBREVIATION (LISTED BELOW) TO INDICATE TYPE OF PROGRAM ATTENDED AT THAT INSTITUTION:

AYI - ACADEMIC YEAR INSTITUTE FOR TEACHERS OF MATHEMATICS OR SCIENCE
ISI - IN SERVICE INSTITUTE FOR TEACHERS OF MATHEMATICS OR SCIENCE
RPTT - RESEARCH PARTICIPATION FOR TEACHER TRAINING
FEL - SCIENCE FACULTY AND OTHER FELLOWSHIP PROGRAMS
SFSST - SUMMER FELLOWSHIP FOR SECONDARY SCHOOL TEACHERS
CONF - SUMMER CONFERENCE FOR COLLEGE TEACHERS
SI - SUMMER INSTITUTE FOR TEACHERS OF MATHEMATICS OR SCIENCE

YEAR - INDICATE THE CALENDAR YEAR DURING WHICH YOUR ATTENDANCE AT THAT PROGRAM BEGAN.

SUPPORT - CHECK TO INDICATE WHETHER YOU PARTICIPATED UNDER FULL ALLOWABLE SUPPORT, PARTIAL SUPPORT, OR NO SUPPORT FROM NSF FUNDS DURING YOUR ATTENDANCE AT THAT PROGRAM.

THIS APPLICATION RECORD MUST BE SENT WITH YOUR APPLICATION FORM TO THE PROGRAM DIRECTOR. HE WILL FORWARD IT TO THE FOUNDATION.

NSF FORM 9C-25B, NOV. 1962 BUDGET BUREAU NO. 99-R080.3, APPROVAL EXPIRES DEC. 31, 1963



summer programs, or an Academic Year Institute, can lead to a Master's degree.

Institutes are characterized by offering subject-matter courses especially designed for the teachers who attend and by being organized to give ample opportunity for informal contacts outside the classroom among the participants and staff.

Directors of the respective Institutes and Programs submitted Applicant Record Cards to the National Science Foundation on standard NSF forms, with data entered by the applicant and checked as required. Although some applicants neglected to enter all the information or to check all boxes as required, the number of all such errors and omissions was relatively small (less than one percent).

The Applicant Record Cards (same size as IBM cards) were alike for each program, except for color of printing and specific program identification.

The standard code for each Institution and Institute was punched into the Applicant Record Cards.

Data from all cards submitted were converted to IBM punch cards in the format listed below for processing on IBM equipment.

<u>Item</u>	<u>Card Columns</u>
Institution Number	1 - 5
First Name Initial; Middle Initial	6 - blank
Last Name	7 - 8
Social Security Number	9 - 20
Date of Birth	21 - 29
Street Address	30 - 35
City	36 - 49
State	50 - 59
Major Assignment	60 - 64
Subject Matter Responsibilities	65
Academic Level of Major Assignment	66
Previous Attendance at NSF-sponsored programs	70
Stipends for Participants	71
Program Code	72
Year of Program	78 - 79
	80

A second set of cards was punched for all participants, indicating at what college, university, high school or other institution the person was employed.

This name and its city-state location was punched into the columns set aside for address (columns 36-64). All other columns were the same as in the card indicating address of residence.

The processing of these cards to produce the respective tables usually required the sorting of cards by the specific item or code to put the cards in proper sequence and then summarizing on the IBM 407 tabulator or the IBM 1401 computer.

Tables involving separation by year of birth and computation of averages and percentages were produced on the 1401 computer.

Directors forwarded a total of 243,420 applications to the Foundation from 95,369 applicants, of whom 42,939 were participants in the Institutes programs. This report summarizes the characteristics and distribution of the applications, applicants, and participants in the institution and research participation programs funded by the National Science Foundation for special advanced training of science, mathematics, and engineering teachers throughout the United States.

Section I

Size and Scope of Institutes Programs

During the summer of 1963 and school year of 1963-64, the National Science Foundation supported 1,022 Institute programs. Of these, 523 were Summer Institutes, 35 were Summer Conferences, 58 were Academic Year Institutes, 314 were In-Service Institutes, and 92 were Research Participation Programs. Table 1 shows the number of applications, applicants, and participants in the five major programs.

Table 1. NUMBERS OF APPLICATIONS, APPLICANTS, AND PARTICIPANTS
IN FIVE MAJOR NSI PROGRAMS DURING 1963-64

<u>Program</u>	<u>Applications</u>	<u>Applicants</u>	<u>Participants</u>
Summer Institutes	205,599	70,888	24,819
Summer Conferences	1,462	1,217	1,035
Academic Year Institutes	16,892	6,359	1,826
In-Service Institutes	16,235	15,358	14,550
Research Participation Programs	<u>3,232</u>	<u>1,547</u>	<u>709</u>
TOTAL	243,420	95,369	42,939

Institute directors received over 243,000 applications from more than 95,000 applicants, of whom nearly 43,000 were selected for participation.

The directors of Summer Institutes received over 206,000 applications, about 85 percent of the total submitted.

A total of 42,939 persons participated in the 1963-64 programs, indicating an average ratio of 5.67 applications per participant. Applicants submitted an average of 2.55 applications per person for all programs combined.

Three-fourths of the programs were established for secondary school teachers, approximately eight percent were planned for college teachers, approximately eight percent were planned for elementary school teachers, and the remainder were planned for combined levels. Since programs of various types were established for several

teaching levels, data are presented for eleven different program types.

Table 2 summarizes numerical data of the eleven major program types arranged by the teaching level of the program.

Table 2. SUMMARY OF APPLICANT AND PARTICIPANT DATA BY ACADEMIC LEVEL AND PROGRAM TYPE

Type of Program	No. of Programs	No. of Applications	No. of Applicants	No. of Participants
COLLEGE				
Academic Year Institutes	2 + (14)	707	201	77
Summer Institutes	67 + (8)	14,998	8,499	2,094
In-Service Institutes	1 + (3)	106	97	87
Conferences	35	1,462	1,217	1,035
Research Programs	55	1,490	740	385
Total	160 + (25)*	18,763	10,754	3,678
SECONDARY				
Academic Year Institutes	42 + (14)	16,185	6,158	1,749
Summer Institutes	414 + (8) + (1)	176,939	56,555	21,516
In-Service Institutes	264 + (1) + (3)	14,198	13,494	12,982
Research Programs	37	1,742	807	324
Total	757 + (27)	209,064	77,014	36,571
ELEMENTARY				
Summer Institutes	33 + (1)	13,662	5,834	1,209
In-Service Institutes	45 + (1)	1,931	1,767	1,481
Total	78 + (2)*	15,593	7,601	2,690
<hr/>				
TOTAL All Programs	995 + (27) =	243,420	95,369	42,939

* Numbers in parentheses indicate institutes which were held for teachers in combined levels as follows: (14 AYI college and secondary), (8 Summer Institutes for college and secondary), (3 In-Service Institutes for college and secondary), (1 In-Service Institute for secondary and elementary), and (1 Summer Institute for secondary and elementary).

SUBVENTION

In the eight programs which offer stipends to cover living costs, approximately 90 percent of all participants received full stipend. Distribution of the amount of subvention for each of these programs is shown in Table 3.

Since participants in In-Service programs usually receive travel and book allowances only for their subvention, rather than a stipend, data for the three In-Service programs are given in a separate part of the table.

Table 3. DISTRIBUTION OF PARTICIPANTS BY PROGRAM AND BY SUBVENTION

A.

Type of Program	Total Participants	Granted Full Stipend	Granted Partial Stipend	Granted No Stipend
COLLEGE				
Academic Year Institute	77	77	0	0
Summer Institute	2,094	1,787	80	227
Conference	1,035	954	50	31
Research	385	382	3	0
SECONDARY				
Academic Year Institute	1,749	1,662	78	9
Summer Institute	21,516	19,310	1,968	238
Research	324	313	4	7
ELEMENTARY				
Summer Institute	<u>1,209</u>	<u>1,194</u>	<u>14</u>	<u>1</u>
Sub-Total	28,389	25,679	2,197	513

B.

Type of Program	Total Participants	Granted Book and Travel Allowance	Granted No Subvention
In-Service College	87	87	0
In-Service Secondary	12,982	12,698	284
In-Service Elementary	<u>1,481</u>	<u>1,442</u>	<u>39</u>
Sub-Total	<u>14,550</u>	<u>14,227</u>	<u>323</u>
TOTAL	2,939	25,679	836



Table 4.

**DISTRIBUTION OF APPLICANTS AND PARTICIPANTS
BY MAJOR ASSIGNMENT AND BY LEVEL OF ASSIGNMENT**

Applicants						
Level	Teaching	Supervisor	Administrator	Research	Other	Total
College	7,129	29	68	138	107	7,521
Jr. College	1,380	4	8	3	48	1,443
Secondary 9-12	57,826	317	217	162	1,283	59,805
Secondary 7-9	23,493	161	109	74	649	24,486
Elementary 1-6	3,855	414	302	93	307	4,971
Other	<u>2,772</u>	<u>206</u>	<u>191</u>	<u>119</u>	<u>1,134</u>	<u>4,422</u>
TOTAL	96,505	1,131	895	589	3,528	102,648

Participants						
College	2,851	13	31	52	38	2,985
Jr. College	899	3	6	2	18	930
Secondary 9-12	22,607	99	82	80	443	23,311
Secondary 7-9	10,635	56	35	26	261	11,013
Elementary 1-6	2,080	137	98	24	106	2,445
Other	<u>1,258</u>	<u>68</u>	<u>69</u>	<u>45</u>	<u>447</u>	<u>1,887</u>
TOTAL	40,330	372	318	229	1,313	42,571

Table 5.

**DISTRIBUTION OF APPLICANTS AND PARTICIPANTS
BY MAJOR TEACHING ASSIGNMENT AND BY PROGRAM TYPE**

Applicants						
Program Type	College	Junior College	Secondary 7-12	Elementary 1-6	Other	TOTAL*
SI	4,892	2,274	60,290	5,882	2,313	70,888
AYI	241	184	5,866	84	152	6,359
ISI	163	121	13,704	1,392	259	15,358
Research	661	115	741	4	9	1,547
Conference	<u>931</u>	<u>272</u>	<u>12</u>	<u>5</u>	<u>51</u>	<u>1,217</u>
TOTAL	6,888	2,966	80,613	7,367	2,784	95,369

Participants						
SI	1,578	645	21,237	975	668	24,819
AYI	147	30	1,652	3	34	1,826
ISI	128	80	12,841	1,368	236	14,550
Research	356	55	293	1	4	709
Conference	<u>878</u>	<u>121</u>	<u>2</u>	<u>1</u>	<u>38</u>	<u>1,035</u>
TOTAL	3,087	931	36,025	2,348	980	42,939

* Data do not crossfoot horizontally because some participants checked more than one major teaching assignment.

Section II

Professional Characteristics of Applicants and Participants

Nearly all of the applicants and participants reported that their major assignment was teaching. Some persons indicated that they had more than one major assignment, while some did not check any major assignment. Approximately one percent of the applicants and participants stated that their major assignment was supervision; less than one percent administration, and less than one percent research.

The distribution of applicants and participants cannot be described perfectly because some persons checked more than one teaching assignment. For that reason the percentage breakdown totals more than 100 percent.

TEACHING ASSIGNMENTS OF APPLICANTS AND PARTICIPANTS

Approximately nine percent of all applicants were teachers in colleges and junior colleges, 85 percent were secondary school teachers, and eight percent were elementary teachers. There were also some supervisors, principals, and other personnel. Approximately 85 percent of all participants were secondary school teachers, six percent elementary teachers, eight percent college teachers, and the remainder occupied supervisory or administrative positions.

Table 5 shows the distribution of applicants and of participants by major teaching assignment and program. The numerical data on any single line do not crossfoot horizontally to the right-hand total because some applicants checked more than one major teaching assignment.

The distribution of participants selected from applicants in the respective subject-matter fields was surprisingly uniform within individual programs. The over-all index of selection for college teachers was 36 percent, ranging from 31 percent to 45 for the eight subject-matter fields. For secondary teachers the average was 45 percent, with a range of 42 percent to 54 percent for the subject-matter fields.

There were significant differences in the selection index from program to program, either because of the numbers of applicants for the available appointments or because of the type of program or length of program.

Table 7, consisting of full-page summaries, presents the distribution by subject-matter responsibilities of applications, applicants, and participants.

The table below shows the percentage of applicants who were selected to participate.

Table 6.

PERCENTAGE OF APPLICANTS WHO PARTICIPATED
IN EACH SUBJECT-MATTER FIELD BY PROGRAM TYPE

Program Attended	Biology	Chem.	Earth Science	Engr.	General Science	Math	Physics	Other	Total
COLLEGE									
AYI	37	38	40	100	35	39	39	33	38
SI	25	27	26	26	26	26	26	23	26
ISI	89	93	92	100	88	94	89	93	92
Conference	86	89	86	86	86	86	86	86	87
Research	56	55	57	62	54	58	58	54	56
Total	36	43	45	31	37	35	35	32	36
SECONDARY									
AYI	34	33	36	67	33	35	38	32	34
SI	34	35	36	44	35	35	37	35	35
ISI	97	97	96	91	96	98	95	94	97
Research	54	53	80	100	57	59	59	56	56
Total	42	43	47	54	44	48	45	46	45
GRAND TOTAL	41	43	46	32	44	47	44	43	44

Table 7.

DISTRIBUTION BY SUBJECT-MATTER RESPONSIBILITIES OF APPLICATIONS,
 APPLICANTS, AND PARTICIPANTS ACCORDING TO ACADEMIC LEVEL
 AND MAJOR PROGRAM TYPE
 (For All But Elementary Teachers)

Program Attended	<u>Applications</u>								Total
	Biology	Chem.	Earth Science	Engr.	General Science	Math	Physics	Other	
AYI College	166	118	9	0	62	177	42	39	613
Jr. Coll.	89	38	2	1	7	94	5	26	282
Total	255	176	11	1	69	271	47	65	895
SI College	2587	2076	612	2282	515	2862	1754	1562	14250
Jr. Coll.	1023	1130	201	724	211	1998	1226	1119	7632
Total	3610	3206	813	3006	726	4860	2980	2681	21882
ISI College	22	17	3	1	16	69	19	23	170
Jr. Coll.	18	12	11	2	20	46	12	24	145
Total	40	29	14	3	36	115	31	47	315
Conf.-College	208	392	170	104	24	310	168	127	1503
Jr. Coll.	25	12	12	23	2	72	37	16	199
Total	233	404	182	127	26	382	205	143	1702
Res.-College	511	992	109	90	72	178	331	384	2667
Jr. Coll.	89	137	4	10	10	13	22	24	309
Total	600	1129	113	100	82	191	353	408	2976
TOTAL COLLEGE	4738	4944	1133	3237	939	5819	3616	3344	27770
AYI 9-12	2560	2391	311	5	2146	4739	1686	813	14651
7-9	304	85	124	0	2002	1652	83	331	4581
Total	2864	2476	435	5	4148	6391	1769	1144	19232
SI 9-12	39067	32638	4982	193	27959	56307	22464	15937	199547
7-9	4142	1142	4064	26	28684	23119	859	4681	66717
Total	43209	33780	9046	219	56643	79426	23323	20618	266264
ISI 9-12	2057	1840	331	23	1591	4790	1418	1010	13060
7-9	302	111	363	1	2238	3229	106	689	7039
Total	2359	1951	694	24	3829	8019	1524	1699	20099
Res. 9-12	477	468	17	1	169	194	193	117	1636
7-9	51	11	1	0	82	15	6	5	171
Total	528	479	18	1	251	209	199	122	1807
TOTAL SECONDARY	48960	38686	10193	249	64871	94045	26815	23583	307402
GRAND TOTAL	53698	43630	11326	3486	65810	99864	30310	26927	335172

Applicants

Program Attended	Biology	Chem.	Earth Science	Engr.	General Science	Math.	Physics	Other	Total
AYI College	46	33	4	0	17	49	20	13	182
Jr. Coll.	<u>25</u>	<u>17</u>	<u>1</u>	<u>1</u>	<u>3</u>	<u>28</u>	<u>3</u>	<u>8</u>	<u>86</u>
Total	71	50	5	1	20	77	23	21	268
SI College	1218	891	276	1246	224	1581	826	867	7129
Jr. Coll.	<u>457</u>	<u>512</u>	<u>98</u>	<u>351</u>	<u>101</u>	<u>973</u>	<u>639</u>	<u>542</u>	<u>3673</u>
Total	1675	1403	374	1597	325	2554	1465	1409	10802
ISI College	20	16	3	1	15	64	17	21	157
Jr. College	<u>17</u>	<u>12</u>	<u>9</u>	<u>2</u>	<u>18</u>	<u>41</u>	<u>10</u>	<u>21</u>	<u>130</u>
Total	37	28	12	3	33	105	27	42	287
Conf. - College	172	316	140	86	20	256	137	105	1232
Jr. Coll.	<u>17</u>	<u>9</u>	<u>9</u>	<u>16</u>	<u>1</u>	<u>51</u>	<u>26</u>	<u>11</u>	<u>140</u>
Total	189	325	149	102	21	307	163	116	1372
Res. - College	268	517	49	46	33	85	154	186	1338
Jr. Coll.	<u>62</u>	<u>74</u>	<u>2</u>	<u>7</u>	<u>6</u>	<u>8</u>	<u>13</u>	<u>13</u>	<u>185</u>
Total	330	591	51	53	39	93	167	199	1523
TOTAL COLLEGE	2302	2397	591	1756	438	3136	1845	1787	14252
AYI 9-12	1022	938	127	3	809	1940	729	326	5694
7-9	<u>129</u>	<u>33</u>	<u>51</u>	<u>0</u>	<u>781</u>	<u>717</u>	<u>37</u>	<u>121</u>	<u>1869</u>
Total	1151	971	178	3	1590	2657	766	447	7763
SI 9-12	13188	11302	1657	74	9246	20031	8129	5364	68991
7-9	<u>1423</u>	<u>379</u>	<u>1302</u>	<u>11</u>	<u>9422</u>	<u>8454</u>	<u>313</u>	<u>1559</u>	<u>22863</u>
Total	14611	11681	2959	85	18668	28485	8442	6923	91854
ISI 9-12	1946	1743	307	22	1482	4628	1305	936	12369
7-9	<u>291</u>	<u>103</u>	<u>341</u>	<u>1</u>	<u>2117</u>	<u>3111</u>	<u>98</u>	<u>652</u>	<u>6714</u>
Total	2237	1846	648	23	3599	7739	1403	1588	19083
Res. 9-12	231	226	9	1	83	89	94	54	787
7-9	<u>23</u>	<u>5</u>	<u>1</u>	<u>0</u>	<u>39</u>	<u>8</u>	<u>4</u>	<u>3</u>	<u>83</u>
Total	254	231	10	1	122	97	98	57	870
TOTAL SECONDARY	18253	14729	3795	112	23979	38978	10709	9015	119570
GRAND TOTAL	20555	17126	4306	1868	24417	42114	12554	10802	133822

Participants

Program Attended	Biology	Chem	Earth Science	Engr.	General Science	Math	Physics	Other	Total
AYI College	17	13	2	0	6	19	9	4	70
Jr. Coll.	<u>9</u>	<u>6</u>	<u>0</u>	<u>1</u>	<u>1</u>	<u>11</u>	<u>0</u>	<u>3</u>	<u>31</u>
Total	26	19	2	1	7	30	9	7	101
SI College	309	239	70	331	59	403	216	200	1827
Jr. Coll.	<u>117</u>	<u>135</u>	<u>26</u>	<u>90</u>	<u>26</u>	<u>250</u>	<u>164</u>	<u>124</u>	<u>932</u>
Total	426	374	96	421	85	653	380	324	2759
ISI College	18	13	3	1	13	60	15	19	144
Jr. Coll.	<u>15</u>	<u>11</u>	<u>8</u>	<u>2</u>	<u>16</u>	<u>39</u>	<u>9</u>	<u>20</u>	<u>120</u>
Total	33	26	11	3	29	99	24	39	264
Conf. - College	149	218	121	75	17	223	119	91	1076
Jr. Coll.	<u>14</u>	<u>7</u>	<u>7</u>	<u>13</u>	<u>1</u>	<u>41</u>	<u>21</u>	<u>9</u>	<u>113</u>
Total	163	288	128	88	18	264	140	100	1189
Res. - College	149	284	27	28	17	48	86	99	738
Jr. Coll.	<u>37</u>	<u>40</u>	<u>2</u>	<u>5</u>	<u>4</u>	<u>6</u>	<u>11</u>	<u>9</u>	<u>124</u>
Total	186	324	29	33	21	54	97	108	862
TOTAL COLLEGE	834	1031	266	546	160	1100	650	578	5165
AYI 9-12	344	309	45	2	264	672	278	102	2016
7-9	<u>46</u>	<u>10</u>	<u>19</u>	<u>0</u>	<u>26</u>	<u>246</u>	<u>14</u>	<u>40</u>	<u>635</u>
Total	390	319	64	2	524	918	292	142	2651
SI 9-12	4478	3893	588	30	3227	7027	3026	1867	24136
7-9	<u>503</u>	<u>140</u>	<u>491</u>	<u>7</u>	<u>3320</u>	<u>3012</u>	<u>126</u>	<u>584</u>	<u>8183</u>
Total	4981	4033	1079	37	6547	10039	3152	2451	32319
ISI 9-12	1884	1693	299	20	1406	4544	1243	884	11973
7-9	<u>278</u>	<u>96</u>	<u>322</u>	<u>1</u>	<u>2066</u>	<u>3050</u>	<u>95</u>	<u>605</u>	<u>6513</u>
Total	2162	1789	621	21	3472	7594	1338	1489	18486
Res. 9-12	122	120	7	1	44	51	55	30	430
7-9	<u>15</u>	<u>3</u>	<u>1</u>	<u>0</u>	<u>26</u>	<u>6</u>	<u>3</u>	<u>2</u>	<u>56</u>
Total	137	123	8	1	70	57	58	32	486
TOTAL SECONDARY	7670	6264	1772	61	10613	18608	4840	4114	53942
GRAND TOTAL	8504	7295	2038	607	10708	19708	5490	4692	59107

Table 9.

DISTRIBUTION OF APPLICANTS AND PARTICIPANTS BY AGE GROUPS AND BY PROGRAM

	Applicants										
	College					Secondary				Elementary	
	AYI	SI	ISI	Conference	Research	AYI	SI	ISI	Research	ISI	SI
20 & under	0	0	0	0	0	1	1	1	0	1	1
21-25	12	264	0	7	24	362	3,857	1,713	73	133	200
26-30	51	1,301	5	46	155	2,956	12,937	3,062	235	191	836
31-35	96	1,658	5	113	207	1,519	11,199	2,481	238	182	984
36-40	43	1,291	1	103	186	896	9,615	2,011	232	249	961
41-45	30	1,025	2	97	131	289	5,832	1,402	118	216	642
46-50	13	449	5	82	99	104	4,599	1,164	77	208	501
51-55	7	414	0	75	61	82	3,443	896	81	221	317
56-60	3	271	1	62	38	24	1,954	687	26	159	201
61-65	3	108	0	26	16	16	502	222	3	42	76
66 & over	0	25	0	12	3	7	114	59	0	12	12
TOTAL	258	6,806	19	623	920	6,256	54,053	13,698	1,083	1,614	4,731

	Participants										
	AYI	SI	ISI	Conference	Research	AYI	SI	ISI	Research	ISI	SI
20 & under	0	0	0	0	0	1	1	1	0	1	0
21-25	4	24	0	5	15	100	1,262	1,680	16	125	30
26-30	18	327	5	42	63	820	5,345	2,973	74	176	193
31-35	35	452	5	101	99	393	4,688	2,316	80	170	277
36-40	17	405	1	93	91	224	3,613	1,865	73	234	265
41-45	11	341	2	91	49	106	2,238	1,307	34	198	163
46-50	5	202	5	71	31	36	1,518	1,090	22	192	120
51-55	2	178	0	60	16	22	1,047	856	18	196	80
56-60	0	95	1	42	9	5	607	607	4	133	35
61-65	0	34	0	10	2	1	137	195	0	15	6
66 & over	0	5	0	3	1	0	33	40	0	3	0
TOTAL	92	2,063	19	518	376	1,708	20,489	12,930	321	1,443	1,169

Section III

Ages of Applicants and Participants

Using the dates of birth entered on the Applicant Record Cards submitted by all applicants, it was determined that the youngest applicant was only 19 years of age, while the oldest applicant was 81. These were the extremes. For most programs, the youngest applicant was 20 or 21, the oldest in the 60's. The average age of all applicants in the respective programs ranged from 31 to 42.

For participants the youngest age was around 21 in nearly each program, while the oldest participant was almost always in the 60's. The average age of participants went from a low of 31 years to a high of 42 years, the highest average being for College Conferences.

Table 8 presents the ages of the youngest and oldest applicants and participants, as well as averages of all persons in each program.

Table 9 on the adjacent page presents the distribution of applicants and participants by age groups and by program, the age groups being in intervals of five years.

Persons who did not give year of birth on the Applicant Record Cards were not included in the computation of averages.

Table 8. DISTRIBUTION OF APPLICANTS AND PARTICIPANTS BY AGE AND BY PROGRAM TYPE

Program Type	Applicants			Participants		
	Youngest	Oldest	Average	Youngest	Oldest	Average
COLLEGE						
AYI	21	63	34	25	55	35
SI	21	69	38	22	69	37
ISI	27	57	38	27	57	38
Conference	21	70	42	22	70	42
Research	22	67	37	23	66	36
SECONDARY						
AYI	20	67	31	20	61	31
SI	19	81	37	20	81	35
ISI	19	81	36	19	81	35
Research	22	65	36	22	60	35
ELEMENTARY						
SI	20	80	38	21	64	37
IST	20	72	40	20	67	40

Section IV

Sequential and Consecutive Participation of Applicants
and Participants

A. Participants With Previous Participation

The teachers who indicated previous participation furnished detailed data as to the Institutes and/or Programs they had previously attended, the type of program, the year attended, and the type of stipend. Those who attended more than one previous program listed all Institutes and Programs they attended.

An analysis of data for participants with previous attendance at any Institute or Program showed the following distribution of previous participation:

Table 10. NUMBER AND PERCENT OF PARTICIPANTS WITH PREVIOUS PARTICIPATION

<u>Attended</u>	<u>Number of Persons</u>	<u>Percent of Total</u>
One previous program	13,421	60.1
Two previous programs	5,719	25.6
Three previous programs	2,463	11.0
Four previous programs	644	2.9
Five previous programs	82	0.4
TOTAL	22,329	100.0
Incomplete or faulty data	324	

B. Participants With No Previous Participation

Approximately 47 percent of all participants indicated on their Applicant Record Cards that they had not previously attended any NSF-sponsored program, the remaining 53 percent indicating previous participation and listing the programs they had attended in prior years.

The distribution of those participants who had not previously attended an NSF-sponsored program is indicated in Table 11.

Table 11. NUMBER AND PERCENT OF PARTICIPANTS WITHOUT PREVIOUS PARTICIPATION

	Number of Participants With No Previous Participation	Percentage With No Previous Participation
COLLEGE		
Academic Year Institutes	34	35%
Summer Institutes	99	47%
In-Service Institutes	10	52%
Conferences	507	48%
Research Programs	167	43%
SECONDARY		
Academic Year Institutes	565	34%
Summer Institutes	9702	48%
In-Service Institutes	5756	43%
Research Programs	51	16%
ELEMENTARY		
Summer Institutes	906	24%
In-Service Institutes	<u>1310</u>	89%
TOTAL	19,999	

Table 12.

EXTENT OF SEQUENTIAL PARTICIPATION

Participants in 1963-64 Who Also Attended Programs at the Same Institution in 1962-63 or 1961-62 or Both

Total No. Participated in 1963-64	Program	During 1962-63						During 1961-62						During Both Prior Years					
		TOTAL	SI	AYI	ISI	Res	Conf	TOTAL	SI	AYI	ISI	Res	Conf	TOTAL	SI	AYI	ISI	Res	Conf
COLLEGE																			
80	AYI	6	5	0	1	0	0	5	5	0	0	0	0	2	2	0	0	0	0
2120	SI	407	339	0	64	3	1	138	117	4	17	0	0	143	139	2	2	0	0
19	ISI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
527	Conf.	0	0	0	0	0	0	4	1	0	0	0	3	1	1	0	0	0	0
385	Res.	11	6	1	0	4	0	7	3	2	1	1	0	0	0	0	0	0	0
3131	Total	424	350	1	65	7	1	154	126	6	18	1	3	146	142	2	2	0	0
SECONDARY																			
1746	AYI	79	61	0	18	0	0	47	36	0	11	0	0	34	34	0	0	0	0
21490	SI	3609	3024	0	561	7	17	2164	1832	17	309	0	6	1203	1077	15	111	0	0
13054	ISI	2949	165	54	2718	3	4	1256	314	40	902	0	0	334	36	0	298	0	0
324	Res.	43	11	7	3	22	0	31	19	5	4	3	0	15	7	0	1	7	0
36614	Total	6680	3261	61	3300	32	21	3498	2201	62	1226	3	6	1586	1154	15	410	7	0
ELEMENTARY																			
1209	SI	211	174	0	37	0	0	63	55	0	7	0	1	16	12	0	4	0	0
1477	ISI	227	11	2	214	0	0	158	59	2	96	0	1	223	41	0	182	0	0
2686	Total	438	185	2	251	0	0	221	114	2	103	0	2	239	53	0	186	0	0
42,431	TOTAL	7542	3796	64	3616	39	22	3873	2441	70	1347	4	11	1971	1349	17	598	7	0

Table 13.

EXTENT OF CONSECUTIVE PARTICIPATION

Participants in 1963-64 Who Also Attended Programs at Different Institutions in 1962-63 or 1961-62 or Both

COLLEGE																			
Total No. Participated in 1963-64	Program	TOTAL	SI	AYI	ISI	Res	Conf	TOTAL	SI	AYI	ISI	Res	Conf	TOTAL	SI	AYI	ISI	Res	Conf
80	AYI	27	24	0	2	0	1	8	3	0	3	0	2	7	7	0	0	0	0
2120	SI	203	175	1	14	1	12	210	184	2	19	2	3	84	81	1	0	0	2
19	ISI	2	1	0	0	0	1	3	1	1	1	0	0	4	2	0	2	0	0
527	Conf.	139	75	3	6	7	55	115	54	13	4	4	20	46	26	0	0	0	20
385	Res.	40	28	1	0	11	0	37	25	5	0	7	0	3	3	0	0	0	0
3131	Total	411	303	5	22	19	69	373	267	21	27	13	25	144	119	1	2	0	22
SECONDARY																			
1746	AYI	441	386	0	54	1	0	93	15	0	78	0	0	61	61	0	0	0	0
21490	SI	2326	1884	19	414	3	6	3111	2481	82	511	7	30	1997	1581	12	104	0	0
13054	ISI	1264	931	17	312	0	4	1091	816	52	220	0	3	225	84	0	141	0	0
324	Res.	55	29	9	13	4	0	66	49	11	6	0	0	25	20	0	3	2	0
36614	Total	4086	3213	45	793	8	10	4361	3361	145	815	7	33	2308	1746	12	248	2	0
ELEMENTARY																			
1209	SI	101	68	2	31	0	0	134	104	2	28	0	0	33	31	0	2	0	0
1477	ISI	125	89	2	34	0	0	107	84	2	21	0	0	156	43	0	113	0	0
2686	Total	226	157	4	65	0	0	241	188	4	49	0	0	189	74	0	115	0	0
TOTAL	TOTAL	4723	3673	54	880	27	79	4975	3816	170	891	20	58	2641	1939	13	365	2	22

C. Prior Participation at the Same Institution or at Different Institutions

Approximately 22 percent of all participants in the 1963-64 program had participated in a program during 1962-63 at the same institution, while another 10 percent had participated in a program at the same institution during 1961-62. About 17 percent of the 1963-64 participants were enrolled in programs at other institutions during 1962-63 while another 12 percent were enrolled in programs at other institutions during 1961-62.

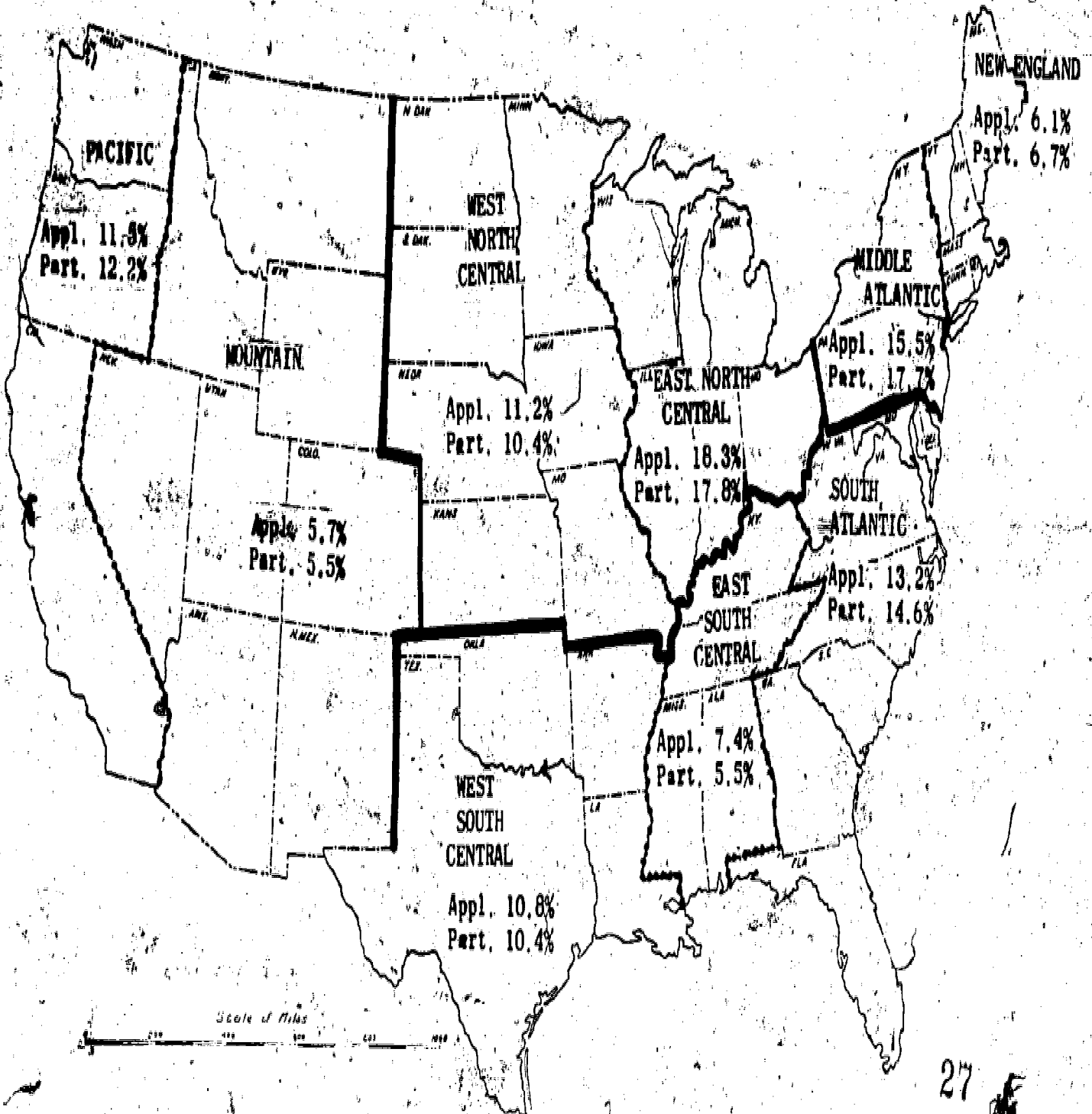
Combining the participation at all institutions, about 40 percent of all 1963-64 participants were enrolled at some institute during 1962-63 and another 21 percent had been enrolled in some program during 1961-62. Some participants attended institutes in both years, while some other participants attended two or even three institutes in a single year. About 4.6 percent of all 1963-64 participants attended the same institution in both prior years, while 6.2 percent attended different institutions in both prior years.

Table 12 shows the distribution of 1963-64 participants who also attended programs at the same institution in 1962-63 or 1961-62 or both years.

Table 13 shows the 1963-64 participants who also attended programs at a different institution in 1962-63 or 1961-62 or both years.

Table 14.

**GEOGRAPHIC PERCENTAGE DISTRIBUTION OF APPLICANTS AND PARTICIPANTS
BY CENSUS DIVISION**



Section V

Geographic Distribution of Applications, Applicants, and Participants

Approximately 22.5 percent of all applications came from residents of the Northeastern Region of the United States, 30.6 percent from the North Central Region, 28.3 from the South, and 18.6 from the West. These percentages are near the U. S. population distribution as reported in the 1960 census (N. E. 24.9 percent; N. C. 28.8 percent; South 30.6 percent; West 15.6 percent).

The distribution of participants differed somewhat from the distribution of applicants, approximately 24.4 percent of the participants being from the Northeast as against 21.7 percent of the applicants living in that area; 28.1 percent of the participants living in the North Central Region as against 29.6 percent of the applicants; 29.6 percent of the participants lived in the South as against 31.5 of the applicants; 17.9 percent of the participants in the West as against 17.3 percent of the applicants living there.

The largest number of participants came from the state of New York (8.5 percent), followed by California (8.0 percent), Pennsylvania (5.8 percent), Texas (4.5 percent), Illinois (4.5 percent), Ohio (4.4 percent), and Michigan (3.7 percent).

Only 8.6 percent of the participants were from the twenty largest cities in the United States. New York had the largest number of participants of these twenty metropolitan areas, accounting for 2.3 percent of all participants.

Table 14 shows in map form the geographic distribution of applicants and participants by Census Division.

Table 15 (Fold-outs 1 and 2) presents the geographic distribution of applications, applicants, and participants by the four regions, census division, by state, and by major city.

Table 16 (Fold-outs 3 and 4) presents the percentage distribution of these data in the same geographic breakdown.

Table 17.

DISTRIBUTION OF PARTICIPANTS BY STATE AND BY SUBJECT-MATTER RESPONSIBILITIES

	Biology	Chem. Science	Earth Science	Engineering	General Sciences	Math	Physics	Other	Total
Alabama	189	156	19	10	349	408	111	72	1,284
Alaska	11	9	4	1	21	29	7	3	85
Arizona	107	66	10	7	124	211	44	47	625
Arkansas	97	84	20	7	164	247	61	125	905
California	617	420	192	53	857	1,697	279	666	4,781
Colorado	113	62	37	18	162	245	47	87	771
Connecticut	111	103	79	9	165	359	83	51	960
Delaware	15	15	5	2	28	65	12	17	159
D. C.	17	17	2	1	42	55	19	10	163
Florida	290	193	66	7	435	674	117	181	1,963
Georgia	164	126	21	5	265	347	106	96	1,130
Hawaii	58	29	12	3	91	87	27	95	402
Idaho	49	28	21	16	55	153	37	37	396
Illinois	365	358	61	10	445	900	278	186	2,603
Indiana	224	194	29	14	261	531	141	155	1,549
Iowa	263	239	35	6	292	349	181	125	1,490
Kansas	175	160	35	13	231	391	127	130	1,262
Kentucky	103	102	21	6	142	196	135	38	743
Louisiana	190	164	22	12	274	416	122	111	1,311
Maine	48	28	31	5	57	116	53	29	367
Maryland	112	87	31	8	172	273	76	67	826
Massachusetts	260	257	77	27	356	607	202	140	1,926
Michigan	461	207	94	30	415	859	149	253	2,468
Minnesota	214	179	79	4	307	368	162	114	1,427
Mississippi	143	119	9	5	154	248	57	41	776
Missouri	173	154	22	10	245	392	108	90	1,194
Montana	46	43	10	2	50	111	32	34	328
Nebraska	110	60	13	2	106	155	63	61	570
Nevada	16	11	5	3	28	75	11	20	169
New Hampshire	54	48	18	4	48	103	38	22	335
New Jersey	173	156	81	24	368	736	190	146	1,974
New Mexico	14	8	6	9	30	30	12	25	134
New York	563	601	229	52	960	1,675	438	356	4,874
North Carolina	311	185	46	10	341	459	175	111	1,638
North Dakota	100	118	43	15	141	154	80	60	711
Ohio	287	319	54	21	515	957	303	206	2,662
Oklahoma	245	157	26	13	282	468	152	178	1,521
Oregon	98	88	16	11	135	389	71	104	912
Pennsylvania	450	378	178	29	597	1,133	316	234	3,315
Rhode Island	26	39	3	1	50	97	31	24	271
South Carolina	118	469	21	4	217	216	67	54	1,166
South Dakota	47	41	19	3	70	116	28	31	355
Tennessee	123	102	14	3	206	421	86	83	1,038
Texas	388	332	150	19	546	873	234	229	2,821
Utah	47	33	16	7	70	170	29	36	408
Vermont	57	37	19	4	48	72	34	34	305
Virginia	197	149	71	12	270	428	134	77	1,338
Washington	159	116	54	33	156	448	97	105	1,168
West Virginia	77	49	15	5	102	221	60	47	576
Wisconsin	246	189	45	9	295	463	265	199	1,712
Wyoming	40	38	10	0	37	59	27	19	230
Puerto Rico	146	83	9	1	278	69	78	78	742
TOTAL	8,707	7,105	2,215	385	12,025	20,121	5,842	5,539	62,739

Participants checked subject matter responsibility on their Applicant Record Cards. Since some participants checked more than one subject matter, it was not possible to relate percentages exactly to the total number of participants.

Approximately one third of the 1963-64 participants indicated more than one major teaching assignment.

Half (49.5%) of the participants indicated mathematics as a subject matter responsibility, followed by general science (28.3%), biology (20.5%), chemistry (17.4%), physics (13.8%), earth science (5.2%), and engineering (1.4%). About 13.1% of the participants stated that they taught other subjects.

Table 17 shows the distribution of subject-matter responsibilities of participants by state of residence.

Table 18. RELATIONSHIP OF STATE OF EMPLOYMENT TO STATE OF RESIDENCE OF PARTICIPANTS

State of Employment	Number of Participants	No. Residing in State	No. Residing in Adjacent States	No. Residing in Other States	No. Residing Outside U.S.
Alabama	606	604	1	1	0
Alaska	48	45	1	2	0
Arizona	388	384	0	4	0
Arkansas	503	497	6	0	0
California	2,945	2,941	1	3	0
Colorado	463	462	0	1	0
Connecticut	534	528	6	0	0
D. C.	67	57	9	1	0
Delaware	106	99	6	1	0
Florida	1,393	1,294	4	5	0
Georgia	625	613	11	1	0
Hawaii	250	248	0	1	1
Idaho	232	230	2	0	0
Illinois	1,630	1,608	16	6	0
Indiana	879	867	9	3	0
Iowa	788	782	5	1	0
Kansas	770	764	4	1	1
Kentucky	343	335	6	2	0
Louisiana	599	595	1	3	0
Maine	183	183	0	0	0
Maryland	535	495	38	2	0
Massachusetts	1,117	1,095	21	1	0
Michigan	1,421	1,404	7	10	0
Minnesota	758	754	3	1	0
Mississippi	412	410	2	0	0
Missouri	713	699	10	4	0
Montana	170	170	0	0	0
North Carolina	803	798	4	1	0
North Dakota	288	285	3	0	0
Nebraska	354	348	6	0	0
Nevada	94	93	1	0	0
New Hampshire	160	150	10	0	0
New Jersey	1,214	1,170	42	2	0
New Mexico	240	238	0	2	0
New York	2,991	2,936	39	7	9
Ohio	1,519	1,498	19	2	0
Oklahoma	768	764	4	0	0
Oregon	538	534	2	2	0
Pennsylvania	2,013	2,000	9	3	1
Rhode Island	155	141	8	2	4
South Dakota	169	166	2	1	0
South Carolina	392	391	1	0	0
Tennessee	564	563	1	0	0
Texas	1,690	1,688	2	0	0
Utah	256	255	1	0	0
Virginia	807	793	9	5	0
Vermont	140	135	5	0	0
Washington	690	680	7	3	0
Wisconsin	926	920	4	2	0
West Virginia	310	305	5	0	0
Wyoming	110	110	0	0	0
TOTAL	35,579	35,124	31	353	16



3

Of the participants residing in the United States, about 98.7% worked in the same state in which they lived. Only one percent lived in states adjacent to the state where they were employed; the remainder lived in other states further away or indicated residence outside the U. S.

The highest percentage of participants living outside the state were employed in the District of Columbia where 13.4% lived in adjacent states. Next was Maryland with 7.1% of the participants living outside the state, followed by Delaware 5.7%, Rhode Island 5.2%, New Jersey 3.5%, Vermont 2.8%, and Massachusetts 1.9%.

Table 18 shows the distribution of participants reporting states of employment and states of residence. In order to produce this table we had to match cards for the individuals from two separate decks, one containing the residence address and the other the address of employment. This matching was performed by using the Social Security numbers. Participants who did not supply Social Security numbers were therefore not included in this table. Some of these persons neglected to enter their Social Security numbers while others did not have Social Security numbers. The latter group consisted of persons in religious orders, persons in such places outside the United States as Puerto Rico, Samoa, Canal Zone, etc.

Other persons who were not included in the table were those who lived or worked outside the United States and those who did not furnish sufficient detail as to place of employment to permit identification by state. There were also some who did not report place of employment.

It is believed that in the case of nearly all of these individuals, the states of residence and employment would be the same, and therefore the table is believed to give an accurate indication of the relationship of residence and employment addresses of the participants.

Participants in the 1963-64 programs preferred to attend NSF Institutes at institutions in the state or census division in which they were employed. Approximately 62.3% of the reporting participants had state of employment the same as

state of attendance at an institute.

Examination of the attendance at institutes in states in the same census division showed that approximately three-fourths of the participants were enrolled at institutes in the census division of their employment.

In New England 72.6 percent of the participants employed in the New England states attended institutes in that census division. In the Middle Atlantic division of New York, New Jersey and Pennsylvania, the percentage was 76.5

Some participants did not indicate state of employment and therefore were not included in the summary data.

Table 19 on the fold-out page following this narrative shows the distribution of participants by state of employment and state in which the institute attended was located. The ruled lines divide the respective census divisions from each other.

Geographic Percentage Distribution of Applications, Applicants,
and Participants in Each Major Program Type
(By Region, Census Division, State, and Major City)

Table 15

	NO. OF APPLICATIONS					
	TOTAL	SI	AYI	ISI	RES.	CONF.
U.S. TOTAL	234,874	198,096	16,677	15,998	3,191	912
Regions						
<u>North East</u>	52,774	44,100	3,137	4,596	780	161
North Central	71,833	61,266	5,458	3,716	1,101	292
South	66,527	55,974	4,598	4,889	745	321
West	43,740	36,756	3,484	2,797	565	138
<u>New England</u>	12,911	10,657	984	1,082	152	36
Maine	1,072	911	94	48	14	5
New Hampshire	961	788	98	59	14	2
Vermont	944	864	39	31	8	2
Massachusetts	5,947	4,921	412	508	89	17
Rhode Island	845	678	57	102	6	2
Connecticut	3,142	2,495	284	334	21	8
<u>Middle Atlantic</u>	39,863	33,443	2,153	3,514	628	125
New York	20,715	17,691	947	1,689	338	50
New Jersey	6,610	5,429	288	754	117	22
Pennsylvania	12,538	10,323	918	1,071	173	53
<u>East North Central</u>	44,209	37,898	2,974	2,554	592	191
Ohio	8,815	7,447	583	613	131	41
Indiana	7,126	6,189	337	497	78	25
Illinois	11,179	9,643	692	628	165	51
Michigan	10,536	9,126	704	582	88	36
Wisconsin	6,553	5,493	658	234	130	38
<u>West North Central</u>	27,642	23,368	2,484	1,162	509	101
Minnesota	7,073	6,134	664	164	92	19
Iowa	5,923	4,929	591	229	158	16
Missouri	4,436	3,967	176	183	89	21
North Dakota	1,694	1,264	223	166	31	10
South Dakota	1,141	904	169	45	16	7
Nebraska	2,606	2,185	294	98	18	11
Kansas	4,751	3,985	367	277	105	17
<u>South Atlantic</u>	26,318	21,617	2,061	2,276	243	121
Delaware	457	363	22	62	6	4
Maryland	2,972	2,510	208	199	37	18
D. C.	473	365	27	73	4	4
Virginia	4,020	3,223	298	461	18	20
West Virginia	2,330	2,015	153	138	17	7
North Carolina	4,374	3,664	346	279	64	21
South Carolina	3,486	3,117	253	88	14	14
Florida	4,030	2,992	313	645	64	16
Georgia	4,176	3,368	441	331	19	17

NO. OF APPLICANTS

TOTAL	SI	AYI	ISI	RES.	CONF.
88,287	64,514	6,286	15,254	1,526	707
19,129	12,961	1,372	4,332	345	119
26,110	20,031	1,864	3,485	513	217
27,777	20,572	1,936	4,642	372	255
15,271	10,950	1,114	2,795	296	116
5,467	3,896	470	1,004	68	29
540	431	53	45	6	5
433	326	47	54	4	2
433	381	20	25	5	2
2,235	1,469	231	483	40	12
465	348	22	90	3	2
1,361	941	97	307	10	6
13,662	9,065	902	3,328	277	90
6,789	4,495	482	1,602	175	35
2,433	1,516	119	734	45	19
4,440	3,054	301	992	57	36
16,177	12,347	1,008	2,415	266	141
3,482	2,611	203	589	54	30
2,711	2,088	111	462	31	19
4,031	3,083	226	604	76	42
3,619	2,733	286	541	33	26
2,329	1,832	182	219	72	24
9,932	7,684	856	1,070	247	76
2,146	1,759	182	151	40	14
2,214	1,662	243	205	91	13
1,495	1,204	72	171	32	16
725	497	49	152	19	8
603	492	60	40	7	4
880	669	107	89	6	9
1,870	1,401	143	262	52	12
11,639	8,465	824	2,150	107	93
238	142	5	87	1	3
1,032	712	96	183	18	14
250	167	8	69	3	3
1,832	1,243	117	447	9	16
1,054	837	78	129	4	6
2,061	1,535	213	262	34	17
1,494	1,322	71	83	8	10
1,986	1,235	109	611	20	11
1,731	1,272	127	309	10	13

Fold-out 1

NO. OF PARTICIPANTS

TOTAL	SI	AYI	ISI	RES.	CONF.
41,049	23,558	1,790	14,486	705	510
10,010	5,272	354	4,154	140	90
11,555	7,304	562	3,279	265	145
12,154	6,856	533	4,414	167	182
7,330	4,124	341	2,639	133	93
8,737	1,624	102	958	32	21
219	158	9	43	4	5
204	139	10	53	1	1
152	134	3	20	3	2
1,297	760	44	471	15	7
187	95	5	84	2	1
668	338	31	287	7	5
7,273	3,648	252	3,196	108	69
3,509	1,772	117	1,526	67	27
1,403	627	35	707	18	16
2,361	1,249	100	963	23	26
7,291	4,430	322	2,292	151	96
1,795	1,113	60	567	33	22
1,039	539	31	437	19	13
1,864	1,143	81	572	38	30
1,532	904	85	510	18	15
1,061	731	65	206	43	16
4,264	2,874	240	987	114	49
857	623	65	139	20	10
926	644	60	182	32	8
711	573	16	156	18	8
340	159	23	140	12	6
194	135	17	36	4	2
413	293	29	82	2	7
763	447	30	252	26	8
5,615	3,228	236	2,030	54	67
118	60	2	53	0	3
584	365	25	175	10	9
119	52	3	62	0	2
876	397	35	426	4	14
354	211	15	122	2	4
903	588	36	251	18	10
446	338	24	74	2	8
1,486	832	51	583	12	8
729	385	45	284	6	9

Region of Residence	NO. OF APPLICATIONS					
	TOTAL	SI	AYI	ISI	RES.	CONF.
<u>East South Central</u>	15,652	13,568	1,032	798	179	75
Kentucky	2,190	1,927	105	122	13	23
Tennessee	4,431	3,770	221	341	68	31
Alabama	6,072	5,417	354	246	46	9
Mississippi	2,959	2,454	352	89	52	12
<u>West South Central</u>	24,557	20,789	1,505	1,815	323	125
Oklahoma	3,957	3,146	299	451	46	15
Arkansas	3,900	3,411	163	299	11	16
Louisiana	4,502	3,538	347	503	77	37
Texas	12,198	10,694	696	562	189	57
<u>Mountain</u>	15,038	12,984	1,324	534	191	41
Montana	1,445	1,201	198	32	12	2
Idaho	1,266	1,028	154	68	2	14
Wyoming	682	572	93	4	11	2
Colorado	3,362	2,777	381	136	59	9
New Mexico	2,428	2,186	174	37	26	5
Arizona	3,144	2,889	89	97	68	2
Utah	2,121	1,804	195	102	13	7
Nevada	626	527	41	58	0	0
<u>Pacific</u>	28,666	23,772	2,160	2,263	374	97
Washington	4,505	3,675	511	256	25	38
Oregon	3,924	3,264	332	287	24	17
California	19,196	16,076	1,206	1,559	318	37
Alaska	125	97	27	0	0	1
Hawaii	916	660	84	161	7	4
<u>Cities</u>						
New York	5,625	4,663	156	689	103	14
Chicago	982	742	110	81	41	8
Los Angeles	818	683	36	79	12	8
Philadelphia	1,412	1,231	49	96	26	10
Detroit	1,384	1,215	42	97	16	14
Houston	834	707	35	72	13	7
Baltimore	1,130	983	42	81	19	5
Cleveland	423	346	21	41	11	4
Washington	512	427	28	48	4	5
St. Louis	557	452	49	39	12	5
Milwaukee	613	511	23	43	31	5
San Francisco	403	331	27	37	1	7
Boston	363	309	17	32	0	5
Dallas	592	522	20	42	3	5
New Orleans	521	441	27	28	17	8
Pittsburgh	704	602	36	46	14	6
San Antonio	279	215	27	22	8	7
Seattle	385	313	31	32	4	5
San Diego	308	252	17	24	10	5
Buffalo	343	294	17	22	6	4
TOTAL	18,188	15,239	810	1,651	351	137

NO. OF APPLICANTS

NO. OF PARTICIPANTS

NO. OF APPLICANTS						NO. OF PARTICIPANTS					
TOTAL	SI	AYI	ISI	RES.	CONF.	TOTAL	SI	AYI	ISI	RES.	CONF.
6,587	5,184	497	752	96	58	2,260	1,362	126	701	33	38
951	751	61	116	6	17	412	277	16	103	3	13
2,021	1,540	92	326	44	19	670	315	24	305	12	14
2,369	1,901	201	233	21	13	709	435	40	225	5	4
1,246	992	143	77	25	9	469	335	46	68	13	7
9,551	6,923	615	1,740	169	104	4,279	2,268	171	1,683	80	77
1,591	995	130	427	35	11	948	459	46	410	26	7
1,305	916	86	284	6	13	579	271	20	276	2	10
2,160	1,496	116	481	33	34	905	356	38	468	15	28
4,488	3,516	283	548	95	46	1,847	1,182	67	529	37	32
5,085	3,859	466	638	88	34	2,287	1,509	124	592	37	25
481	381	60	30	8	2	194	144	16	28	5	1
522	399	47	62	3	11	257	177	13	57	0	10
310	282	20	4	2	2	125	113	6	3	2	1
1,156	864	133	124	28	7	513	349	37	112	11	4
667	581	37	33	12	4	269	216	15	30	5	3
1,014	723	21	238	30	2	512	263	10	225	13	1
674	436	134	93	5	6	303	185	24	88	1	5
261	193	14	54	0	0	114	62	3	49	0	0
0,186	7,091	648	2,157	208	82	5,043	2,615	217	2,047	96	68
1,577	1,120	168	241	14	34	778	463	49	231	4	31
1,397	994	101	275	14	13	631	319	33	264	4	11
6,603	4,586	326	1,488	172	31	3,285	1,655	113	1,410	84	23
106	72	32	0	1	1	48	43	5	0	0	0
503	319	21	153	7	3	301	135	17	142	4	3
2,315	1,611	60	611	22	11	974	518	33	397	17	9
380	242	44	75	13	6	187	83	23	71	5	5
350	237	29	76	3	5	181	77	25	74	1	4
547	429	34	93	10	8	273	146	32	87	3	5
544	401	37	91	6	9	267	139	35	83	3	7
349	246	26	67	6	4	172	84	19	65	1	3
433	319	28	77	6	3	218	118	23	72	3	2
195	131	17	38	6	3	102	47	14	34	5	2
226	152	22	45	3	4	111	48	17	43	0	3
238	171	17	37	9	4	112	59	12	34	5	2
231	154	18	40	16	3	134	76	14	37	5	2
183	131	12	32	3	5	89	47	8	29	2	3
153	107	13	29	0	4	84	46	9	26	0	3
244	193	11	37	0	3	112	67	7	35	0	3
201	150	16	26	4	5	93	58	9	22	2	2
292	217	22	43	7	3	140	82	12	39	3	4
116	74	15	19	3	5	59	31	8	17	1	2
151	101	14	29	3	4	77	39	11	25	0	2
140	99	11	22	5	3	71	37	8	19	5	2
140	101	13	19	4	3	71	43	9	15	2	2
7,428	5,266	459	1,506	129	95	3,527	1,845	328	1,224	63	67

Percentage Geographic Distribution of Applications, Applicants,
and Participants in Each Major Program Type
(By Region, Census Division, State, and Major City)

Table 16

Region of Residence	NO. OF APPLICATIONS					
	TOTAL	SI	AYI	ISI	RES.	CONF.
<u>Regions</u>						
North East	22.5	22.3	18.8	28.7	24.4	17.7
North Central	30.6	30.9	32.7	23.2	43.5	32.0
South	28.3	28.3	27.6	30.6	23.3	35.2
West	18.6	18.6	20.9	17.5	17.7	15.1
<u>New England</u>	5.4	5.3	5.9	6.7	4.7	3.9
Maine	.4	.5	.7	.3	.4	.5
New Hampshire	.4	.4	.6	.4	.4	.2
Vermont	.4	.4	.2	.2	.3	.2
Massachusetts	2.5	2.4	2.4	3.1	2.7	1.8
Rhode Island	.3	.3	.3	.6	.2	.2
Connecticut	1.3	1.2	1.7	2.0	.7	.9
<u>Middle Atlantic</u>	16.9	16.8	12.9	21.9	19.6	13.7
New York	8.8	8.9	5.6	10.5	10.6	5.4
New Jersey	2.8	2.7	1.7	4.7	3.6	2.4
Pennsylvania	5.3	5.2	5.5	6.6	5.4	5.8
<u>East North Central</u>	18.8	19.1	17.8	15.9	18.5	20.9
Ohio	3.7	3.7	3.4	3.8	4.1	4.5
Indiana	3.0	3.1	2.0	3.1	2.4	2.7
Illinois	4.7	4.8	4.1	3.9	5.1	5.5
Michigan	4.4	4.6	4.2	3.6	2.7	3.9
Wisconsin	2.7	2.7	3.9	1.4	4.0	4.1
<u>West North Central</u>	11.7	11.7	14.9	7.2	16.0	11.0
Minnesota	3.0	3.0	4.0	1.0	2.8	2.1
Iowa	2.5	2.4	3.5	1.4	4.9	1.8
Missouri	1.8	2.0	1.0	1.1	2.7	2.3
North Dakota	.7	.6	1.9	1.0	.9	1.1
South Dakota	.5	.5	1.0	.3	.5	.8
Nebraska	1.1	1.1	1.7	.6	.6	1.2
Kansas	2.0	2.0	2.2	1.7	3.3	1.8
<u>South Atlantic</u>	11.2	10.9	12.4	14.2	7.6	13.2
Delaware	.2	.2	.1	.4	.2	.4
Maryland	1.2	1.2	1.2	1.2	1.1	1.9
D. C.	.2	.2	.2	.5	.1	.4
Virginia	1.7	1.6	1.7	2.8	.6	2.1
West Virginia	1.0	1.0	.9	.9	.5	.8
North Carolina	1.8	1.8	2.0	1.7	2.0	2.3
South Carolina	1.4	1.5	1.5	.6	.4	1.5
Florida	1.7	1.5	1.8	4.0	2.0	1.7
Georgia	1.7	1.7	2.6	2.0	.6	1.8

NO. OF APPLICANTS

NO. OF PARTICIPANTS

NO. OF APPLICANTS						NO. OF PARTICIPANTS					
TOTAL	SI	AYI	ISI	RES.	CONF.	TOTAL	SI	AYI	ISI	RES.	CONF.
21.7	20.1	21.8	28.4	22.6	16.8	24.4	22.4	19.8	28.7	19.9	17.6
29.6	31.1	29.7	22.8	33.6	30.7	28.1	31.0	31.4	22.6	37.6	28.4
31.5	31.9	30.8	30.4	24.4	36.1	29.6	29.1	29.8	30.5	23.7	35.7
17.3	17.0	17.7	18.3	19.4	16.4	17.9	17.5	19.1	18.2	18.9	18.2
6.1	6.0	7.4	6.6	4.5	4.1	6.7	6.9	5.7	6.6	4.5	6.1
.6	.6	.8	.3	.4	.7	.5	.7	.5	.3	.6	1.0
.5	.5	.7	.4	.3	.3	.5	.6	.6	.4	.1	.2
.5	.6	.3	.2	.3	.3	.4	.6	.2	.1	.4	.4
2.5	2.2	3.6	3.2	2.6	1.7	3.2	3.2	2.5	3.3	2.1	1.4
.5	.5	.3	.6	.2	.3	.5	.4	.3	.6	.3	.2
1.5	1.4	1.5	2.0	.7	.8	1.6	1.4	1.7	.3	1.0	1.0
15.5	14.0	14.3	21.8	18.2	12.7	17.7	15.5	14.1	22.1	15.3	13.5
7.6	6.9	7.6	10.5	11.5	5.0	8.5	7.5	6.5	10.5	9.5	5.3
2.7	2.3	1.9	4.8	2.9	2.7	3.4	2.7	2.0	4.9	2.6	3.1
5.0	4.7	4.7	6.5	3.7	5.1	5.8	5.3	5.6	6.6	8.9	5.1
18.3	19.1	16.0	15.8	17.4	19.9	17.8	18.8	18.0	15.8	21.4	18.8
3.9	4.0	3.2	3.9	3.5	4.2	4.4	4.7	3.4	3.9	4.7	4.3
3.0	3.2	1.7	3.0	2.0	2.7	2.5	2.3	1.7	3.0	2.7	2.5
4.5	4.7	3.6	4.0	5.0	5.9	4.5	4.9	4.5	3.9	5.4	5.9
4.1	4.2	4.5	3.5	2.2	3.7	3.7	3.8	4.7	3.5	2.6	2.9
2.6	2.8	2.9	1.4	4.7	3.4	2.6	3.1	3.6	1.4	6.1	3.1
11.2	11.9	13.6	7.0	17.0	10.7	10.4	12.2	13.4	6.8	16.2	9.6
2.4	2.7	2.9	1.0	2.6	2.0	2.1	2.6	3.6	1.0	2.8	2.0
2.5	2.5	3.8	1.3	6.0	1.8	2.3	2.7	3.4	1.3	4.5	1.6
1.7	1.8	1.1	1.1	2.1	2.3	1.7	2.4	.9	1.1	2.6	1.6
.8	.7	.7	1.0	1.2	1.1	.8	.7	1.3	1.0	1.7	1.2
.7	.7	.9	.3	.5	.6	.5	.6	.9	.2	.6	.4
1.0	1.0	1.7	.6	.4	1.3	1.0	1.2	1.6	.6	.3	1.4
2.1	2.1	2.2	1.7	3.4	1.7	1.9	1.9	1.7	1.7	3.7	1.6
13.2	13.1	13.1	14.1	7.0	13.2	13.7	13.7	13.2	14.0	7.7	13.1
.2	.1	.1	.6	.1	.4	.3	.3	.1	.4	.0	.6
1.1	1.1	1.5	1.2	1.2	2.0	1.4	1.5	1.4	1.2	1.4	1.8
.3	.2	.1	.5	.2	.4	.3	.2	.2	.4	.0	.4
2.0	1.9	1.8	2.9	.6	2.3	2.1	1.7	2.0	2.9	.6	2.7
1.2	1.3	1.2	.8	.3	.8	.9	.9	.8	.8	.3	.8
2.3	2.3	3.4	1.7	2.2	2.4	2.2	2.5	2.0	1.7	2.6	2.0
1.6	2.0	1.1	.5	.5	1.4	1.1	1.4	1.3	.5	.3	1.6
2.2	1.9	1.7	4.0	1.3	1.6	1.2	3.5	2.8	4.0	1.7	1.6
1.9	1.9	2.0	2.0	.7	1.8	1.8	1.6	2.5	2.0	.9	1.8

Table 16 (Cont.)

Region of Residence	NO. OF APPLICATIONS					
	TOTAL	SI	AYI	ISI	RES.	CONF.
<u>East South Central</u>	6.6	6.8	6.1	4.9	5.6	8.2
Kentucky	.9	1.0	.6	.8	.4	2.5
Tennessee	1.8	1.9	1.3	2.1	2.1	3.3
Alabama	2.5	2.7	2.1	1.5	1.4	1.0
Mississippi	1.2	1.2	2.1	.6	1.6	1.3
<u>West South Central</u>	10.4	10.4	9.0	11.3	10.1	13.7
Oklahoma	1.6	1.5	1.7	2.8	1.4	1.6
Arkansas	1.6	1.7	1.0	1.8	.3	1.7
Louisiana	1.9	1.7	2.1	3.1	2.4	4.0
Texas	5.1	5.3	4.1	3.5	5.9	6.2
<u>Mountain</u>	6.4	6.5	7.9	3.3	5.9	4.5
Montana	.6	.6	1.1	.2	.4	.2
Idaho	.5	.5	.9	.4	.1	1.5
Wyoming	.3	.3	.6	*	.3	.2
Colorado	1.4	1.4	2.3	.8	1.8	1.0
New Mexico	1.0	1.1	1.0	.2	.8	.5
Arizona	1.3	1.4	.5	.6	2.1	.2
Utah	.9	.9	1.2	.6	.4	.8
Nevada	.3	.3	.2	.4	.0	.0
<u>Pacific</u>	12.2	12.0	12.9	14.1	11.7	10.6
Washington	1.9	1.8	3.0	1.6	.8	4.1
Oregon	1.6	1.6	2.0	1.7	.8	1.8
California	8.1	8.1	7.2	9.7	9.9	4.0
Alaska	.1	.0	.2	.0	.0	.1
Hawaii	.4	.3	.5	1.0	.2	.4
<u>Cities</u>						
New York	2.3	2.3	.9	4.3	3.2	1.5
Chicago	.4	.4	.6	.5	1.3	.9
Los Angeles	.3	.3	.2	.5	.4	.9
Philadelphia	.6	.6	.3	.6	.8	1.1
Detroit	.6	.6	.3	.6	.5	1.5
Houston	.4	.4	.2	.5	.4	.8
Baltimore	.5	.5	.3	.5	.6	.5
Cleveland	.2	.2	.1	.3	.3	.4
Washington	.2	.2	.2	.3	.1	.5
St. Louis	.2	.2	.3	.2	.4	.5
Milwaukee	.3	.3	.1	.3	1.0	.5
San Francisco	.2	.2	.2	.2	*	.8
Boston	.2	.2	.1	.2	.0	.5
Dallas	.3	.3	.1	.3	.1	.5
New Orleans	.2	.2	.2	.2	.5	.9
Pittsburgh	.3	.3	.2	.3	.4	.7
San Antonio	.1	.1	.2	.1	.2	.8
Seattle	.2	.2	.2	.2	.1	.5
San Diego	.1	.1	.1	.2	.3	.5
Buffalo	.1	.1	.1	.1	.2	.4
TOTAL	7.7	7.7	4.9	10.3	11.0	15.0

NO. OF APPLICANTS

NO. OF PARTICIPANTS

NO. OF APPLICANTS						NO. OF PARTICIPANTS					
TOTAL	SI	AYI	ISI	RES.	CONF.	TOTAL	SI	AYI	ISI	RES.	CONF.
7.4	8.0	7.9	4.9	6.2	8.2	5.5	5.8	7.0	4.8	4.7	7.5
1.0	1.1	.9	.7	.4	2.4	1.0	1.2	.9	.7	.4	2.5
2.2	2.3	1.4	2.1	2.8	2.6	1.6	1.3	1.3	2.1	1.7	2.7
2.6	2.9	3.2	1.5	1.3	1.8	1.7	1.8	2.2	1.6	.7	.8
1.4	1.5	2.2	.5	1.6	1.2	1.1	1.4	2.5	.5	1.8	1.4
10.8	10.7	9.7	11.4	11.0	14.7	10.4	9.6	9.6	11.6	11.3	15.1
1.8	1.5	2.0	2.7	2.3	1.5	2.3	1.9	2.6	2.8	3.7	1.4
1.4	1.4	1.3	1.8	.4	1.8	1.4	1.2	1.1	1.9	.3	2.0
2.4	2.3	1.8	3.1	2.1	4.8	2.2	1.5	2.1	3.2	2.1	5.5
5.0	5.4	4.5	3.5	6.2	6.5	4.5	5.0	3.7	3.7	5.2	6.3
5.7	5.9	7.4	4.1	5.7	4.8	5.5	6.4	6.9	4.1	5.2	4.9
.5	.6	.9	.2	.5	.3	.5	.6	.9	.2	.7	.2
.6	.6	.7	.4	.2	1.5	.6	.8	.7	.4	.0	2.0
.4	.4	.3	*	.1	.3	.3	.5	.3		.3	.2
1.3	1.3	2.1	.8	1.8	1.0	1.2	1.5	2.1	.8	1.6	.8
.8	.9	.5	.2	.8	.5	.6	.9	.8	.2	.7	.6
1.1	1.1	.3	1.5	1.9	.3	1.2	1.1	.6	1.6	1.8	.2
.7	.6	2.1	.6	.3	.8	.7	.8	1.3	.6	.1	1.0
.3	.3	.2	.3	.0	.0	.3	.3	.2	.3	.0	.0
11.5	10.9	10.3	14.1	13.6	11.5	12.2	11.1	12.1	14.1	13.6	13.3
1.7	1.7	2.6	1.5	.9	4.8	1.8	2.0	2.7	1.6	.6	6.1
1.5	1.5	1.6	1.8	.9	1.8	1.5	1.4	1.8	1.8	.6	2.2
7.4	7.1	5.1	9.7	11.2	4.3	8.0	1.0	6.3	9.7	11.9	4.5
.1	.1	.5	.0	.1	.1	.1	7.2	.3	.0	.0	.0
.5	.5	.3	1.0	.5	.4	.7	.6	.9	1.0	.6	.6
2.6	2.5	.9	4.0	1.4	1.5	2.3	2.2	1.8	2.7	2.4	1.8
.4	.3	.7	.5	.8	.8	.5	.4	1.3	.5	.7	1.0
.4	.3	.4	.5	.2	.7	.4	.3	1.4	.5	.1	.8
.6	.6	.5	.6	.6	1.1	.7	.6	1.8	.6	.4	1.0
.6	.6	.5	.5	.4	1.2	.6	.6	2.0	.6	.4	1.4
.4	.4	.4	.4	.4	.6	.4	.4	1.1	.4	.1	.6
.5	.5	.4	.5	.4	.4	.5	.5	.3	.5	.4	.4
.2	.2	.2	.2	.4	.4	.2	.2	.8	.2	.7	.4
.3	.3	.3	.3	.2	.6	.3	.2	.9	.3	.0	.6
.3	.3	.2	.2	.6	.6	.3	.3	.7	.2	.7	.4
.2	.2	.2	.2	1.0	.4	.3	.3	.8	.3	.7	.4
.2	.1	.2	.2	.2	.7	.2	.2	.4	.2	.3	.6
.3	.3	.2	.2	.0	.4	.3	.3	.5	.2	.0	.6
.2	.2	.2	.2	.3	.7	.2	.2	.4	.2	.0	.6
.3	.3	.3	.3	.5	.4	.3	.3	.7	.3	.4	.8
.1	.1	.2	.1	.2	.7	.1	.1	.4	.1	.1	.4
.1	.2	.2	.2	.2	.6	.2	.2	.6	.2	.0	.4
.1	.2	.2	.1	.3	.4	.2	.2	.4	.1	.7	.4
.1	.2	.2	.1	.3	.4	.2	.2	.0	.1	.3	.4
8.4	8.2	7.3	9.9	8.4	13.4	8.6	7.8	10.3	8.4	8.9	13.1

Distribution of Participants by State of Employment and
State of Institute Participation
(States Grouped by Census Division)

Table 19

State of Employment	State of Institute Participation																				
	11	12	13	14	15	16	21	22	23	31	32	33	34	35	41	42	43	44	45	46	47
11 Maine	91	15	9	12	3	2	16	6	1	2	1	3	2	1	1	2					
12 New Hampshire	12	95	4	16	1	7	14	2	4	6	3	1	1	2	1	1	1	1			1
13 Vermont	7	20	56	10	2	4	12	3	5	1	1	1	2		1	2					
14 Massachusetts	39	32	14	730	44	26	74	21	19	16	23	42	16	7	6	4	4				1
15 Rhode Island	1	4	3	23	103	5	7	2	2	1	4	1	1	2	1						
16 Connecticut	6	8	7	41	16	358	51	19	14	11	16	9	11	3	1	2					1
21 New York	52	12	14	61	32	39	2610	117	98	54	68	23	51	27	21	2	9	3	3		
22 New Jersey	24	7	6	25	10	10	180	732	105	24	19	28	10	3	8	3	3	2			
23 Pennsylvania	14	15	1	32	13	11	110	62	1307	96	49	46	24	11	11	11	12	3	2	1	4
31 Ohio	9	4		22	11	6	26	13	23	1065	79	39	41	12	16	11	15	4	2	3	6
32 Indiana	6	3		3	2	4	10	5	6	48	564	53	24	11	15	4	19		4	1	5
33 Illinois	4	11	4	11	9	5	31	12	15	64	140	753	41	46	40	35	105	6	11	3	14
34 Michigan	7	4	4	12	6	4	29	7	26	69	59	48	854	25	27	12	9	4	3	3	7
35 Wisconsin	3	4	1	8	2	1	15	5	8	32	51	75	53	371	62	24	11	10	17	7	7
41 Minnesota	5	4	2	7	2	2	9	7	12	21	28	21	20	15	289	24	7	74	66	6	6
42 Iowa	3	2	1	8	2	1	9	2	4	19	23	42	20	13	29	285	52	15	86	4	22
43 Missouri	1	1	1	5	1		14	3	2	12	22	21	8	8	7	15	333	1	2	3	90
44 North Dakota			1					1		8	3	3	7	1	9	5	1	216	8	3	3
45 South Dakota							1		1		3	2	3	2	7	2	2	6	105	4	2
46 Nebraska	1	1	1	1	1	1	1	2	4	4	8	6	2	6	4	9	13	4	22	83	23
47 Kansas	1			4	2		3		4	11	12	9	7	4	5	4	13	1	6	1	469
51 Delaware	1			1	1	2	2	4	9	4	2	1	2		2	2	1				
52 Maryland	3	2	1	12	2	7	9	20	20	13	14	10	4	3	3		6	2			
53 D. C.	1		1	2	1	2	2	1	1	2	1	3	1	1	1						
54 Virginia	7			2	2		5	2	11	6	9	3	2	1	4	2					1
55 West Virginia	2			2	1		1	2	8	20	4	3	2	2		2	4				2
56 North Carolina	2	1	1	5	2		8	4	8	12	10	5	4			3		1			
57 South Carolina	1				4	1	4	3	8	2	1		2		2	1	1		2		
58 Georgia				2	2	1	2	3	2	6	3	12	1		2	2	1	1		1	
59 Florida	10	2	2	9	2	6	15	10	21	24	17	11	12	2	8	6	9	3			1
61 Kentucky				6	1	2	3			21	15	3	3	1	4		7				1
62 Tennessee					1		4	2	2	5	1	3			2	3	4				1
63 Alabama	5		1	6	1	1	4	4	6	17	7	3	10	3	2	5	2	3	3	2	4
64 Mississippi	1			1		1	1	2	6	13	6	5	6	2	3	2	4				6
71 Arkansas	1	1	1				1	2	3	4	2	7	4	1	4	2	10	1		2	6
72 Louisiana	2		1	2		1	6	1	3	7	11	3	6	2	10	1	7		2		6
73 Oklahoma			2				1	1	1	5	3	4	3	1	1	2	9	1	1	4	31
74 Texas	1	1	2	4	1	6	11	10	10	8	18	10	7	2	8	6	9	1	7	3	20
81 Montana			1	1	1		2		1	3	2	3	2	1	3	2	2	7	3	2	1
82 Idaho		1					1	1	1			1	2		2				1		2
83 Wyoming		1		1			1			3	1	1	3	4	2	2		1	4	1	4
84 Colorado	1			8	1	2	9	3	2	2	4	16	10	3	8	4	6	2	8	3	12
85 New Mexico			1	2	1		4	3	7	1	3	7	1	1	2	3	1	1		2	
86 Arizona	1			1	2	2	6		1	5	8	11	3	1	4	3	5		1	1	8
87 Utah	1			1	1		2			1	1	5	3		2	3	1	2	1		3
89 Nevada					2							3	1	1				1			
91 Washington	1			4	2	3	6	3	5	13	6	9	5	2	5	7	8	2	4	1	7
92 Oregon	2						4	1	2	5	68	13	0	4	7	3	5		1	1	1
93 California	12	2	4	29	9	7	36	22	20	31	53	60	28	4	23	14	25		7	8	8
94 Alaska													2			2					
95 Hawaii				1		3	1	1	1	1	1	9	1	1	1	1					
98 Puerto Rico				1			3		3	2	1		2		1	2		1			
TOTAL	341	147	299	536	3375	1815	1448	1339	677	736	379	780									
	253	1134	536	1126	1803	1453	612	542	392	159											



	52	53	54	55	56	57	58	59	61	62	63	64	71	72	73	74	81	82	83	84	85	86	87	88	89	91	92	93	94	95	98	TOTAL
1					1	1	1	3	1								2	1	2	1	1	1				2	1				18	
	1	1	2		1			2							1			1	1							1	2	1			18	
2	6	9	5	1	3	1	2	3			2			2	1		1					1	1			3	3	1	1		14	
			3					1					1	6	2		4			9	2	6	3			3	7	15		2	121	
1	3	4	5		3	2	1	1		2				1						1	1	1						2			16	
																				5	1	4	1				2	10			62	
2	12	29	19	1	12	1	2	5	1	6	2	3	1	1	11	9	11		1	32	9	15	5			3	9	65		9	357	
	7	4	12	4	5			8	2	5	1	1	2	4	3	3			4	13	5	3				3	5	19		1	130	
5	15	12	21	19	18	3		8	3	8	1	2	1	4	18	9	4	2	1	14	13	13	2			3	7	28		1	2071	
1		5	18	35	11	1	8	13	5	16	4	1		4	14	14	3	1	4	21	15	7	5			6	10	36			1665	
	3	2	2	1	8	5	3	8	10	13	1	3	1	5	13	10	1			7	9	3	2			6	6	18		1	928	
1	1	3	5	5	10	5	4	9	12	9	5	4		5	23	20	9		8	42	19	16	4			13	22	65		3	1683	
	4	4	5	7	4	4	5	2	3	8	1	3	1	3	13	8	7		6	15	7	7	2			7	13	48		1	1407	
1	1	4	2	1	3	2	1	3	2	6	1	1	1	2	12	6	10	2	6	18	11	5	4			6	18	22		1	919	
	4		1	5	4	1	3		1	5	1	1	1	1	12	7	13	1	3	20	9	7				6	16	27	1		777	
	4	3	1	1	2	1	2	2	1	2	3	6	12	3	16	8	3	3	7	15	12	5	2			5	8	14	2		772	
									2						3	2	3	1	1	4	2	1	2	1		1	4	13			663	
				1	1	1	1						1		4	4	3			5	2	4	2			1	4	3			300	
	1	1		2	1	1	1		1	2	1	2	1	1	13	3	1	1	5	13	5	5	2			1	4	3			172	
									1	2	1	2	1	1	48	10	1	2	9	9	5	4	4			3	4	13			266	
																										3	4	13			674	
2	1	4	3	1	1			1						1	1			1	3		2							2			117	
3	191	128	28	12	14	2	3	3		3	1	2		2	1		1			4	1	1				1	3	9			550	
	7	42	5	2	2	1														1								2			82	
	13	36	59	4	53	9	2	5	7	13	4			2	4					2	1					1	1	3			812	
	3	1	12	199	10	1	1	7	1	1						2				1	5	3				1	1	2			309	
	5		30	1	610	9	8	7		18	8	3		3	6	2	2		2	1	3		2				3	3	1		791	
	11	3	20	2	86	184	16	7		13	8			4	5	2	1			3	4							2			403	
	4	3	8		20	29	447	12	1	28	40	2		2	2	3	1			7	1	5	1				3	4			684	
	8	3	13	10	61	9	28	859	8	24	40	12	2	8	10	19	1	1	15	10	8	3				3	8	13	1	3	1349	
	1	3	7	5	5	2	2	2	226	31	2	1		1	1					2	3	2									363	
1		5		11	4	9	3		13	466	14	8	1	4	1	2	1	1	2	1	3	2				1	1	1			582	
	3	9	3	22	8	37			4	30	386	15	14	5	8		2		1	4	2	1	1			1	1	11	1	1	658	
			1	8	1	15	3		17	24	216		22	6	10		1		1	3	5	6	17			1	2	3			404	
	2	2		4		3	2		20	1	10		367	4	27	24	1			1	5	2	2								541	
1	4	3	1	9	4	5			1	4	15	22	6	60	25	34	1	1	2	3	8	6	4			1	3	27			860	
				2	4	1	2			4	3	3	11	1	64	36	3		1	6	8	3	2					2	18		821	
3	4	5	4	2	5	7	30		5	12	10	9	12	24	90	1130	4	4	4	24	34	16	3			3	6	40			1635	
1				2		1			2					1	3	2	74	2	3	8	5	2	5			10	6	7			171	
				1									1		3		147	1	6	2	3	16	1			15	3	2			214	
	1	1				1			1	4		1			15	3	9	5	28	12	1	3				4	3	4			106	
	1		4				5		1			1		1	19	19	5	3	3	244	16	6	9	1		5	6	20			457	
			1	1	1	1	1	2	1	2	2	3	1	2	6	8	1	1	9	138	6	1	1			1	1	9			243	
				2	2	2	2						1	1	1	1	2	1	7	17	4	240	3	4		1	1	9	26		411	
									1	1	1				2	1	1	3	1	8	4	3	9	1	4	4	6	8			163	
															2	1	4				4	4	67			1	1	8	1		104	
3			1	2		1			1		1		2	9	8		9	17	6	16	7	8	13	4		378	57	57	5	1	702	
1			2	5		1			2						3	3	2	14	4	11	13	1	4	3		19	307	38	1		564	
5			3						1	8	2	3	6	7	8	9	19	9	10	47	28	47	21	26		41	94	2098	3	4	2900	
				1					1						2					1	3	1	11			1		32			57	
																										3	2	2	252		284	
									2	1	1				1	1																732
																																759
	316	851	1028	644	318	585	429	1111	222	139	445	244	560	2839	277																	37,783
	326	337	306	1041	801	345	744	1455	224	710	480	112	682	51	741																	