

UNDERGRADUATE RESEARCH PARTICIPATION PROGRAM

Number of Proposals Requested and Granted by Discipline

Fiscal Years 1959 through 1967

		<u>BC</u>	<u>BZ</u>	<u>CH</u>	<u>EN</u>	<u>EZ</u>	<u>MA</u>	<u>PY</u>	<u>SZ</u>	
1959	Requested	10	69	63	23	14	4	14	6	
	Granted	6	45	53	13	10	4	9	1	
1960		7	190	204	117	26	23	71	37	
		5	118	154	73	22	13	49	26	
1961		9	153	160	92	17	23	64	29	
		5	95	116	48	12	16	47	18	
1962		28	260	220	113	49	73	123	103	
		11	129	125	51	24	37	71	42	
1963		36	249	248	151	63	74	113	108	
		12	143	136	104	38	57	77	57	
1964		31	226	273	116	52	62	96	90	
		20	134	167	73	34	34	64	49	
1965		35	257	294	168	67	82	119	115	
		18	143	172	69	29	32	65	57	<u>IN</u>
1966		23	365	432	220	82	88	172	201	40
		12	161	188	82	35	43	86	95	8
1967	(Entered under BZ and CH)	264	317	144	47	59	125	131	10	
		140	180	73	28	34	69	71	4	

UNDERGRADUATE RESEARCH PARTICIPATION PROGRAM

Number of Participants Requested and Granted by Discipline

Fiscal Years 1959 through 1967

	<u>BC</u>	<u>BZ</u>	<u>CH</u>	<u>EN</u>	<u>EZ</u>	<u>MA</u>	<u>PY</u>	<u>SZ</u>		
1959	Requeste	73	966	601	204	125	49	73	36	
	Grant-ed.	37	470	471	83	71	49	30	2	
1960		60	1545	1710	803	211	203	489	311	
		51	1049	1339	551	168	87	388	224	
1961		142	1417	1990	1230	150	271	575	378	
		119	1066	1552	505	128	161	444	299	
1962		452	5498	5174	2588	863	1703	1926	2438	
		131	1616	1878	580	153	478	676	609	
1963		868	4944	6465	2781	854	1678	1978	2443	
		110	1425	1554	1066	247	664	642	698	
1964		416	4223	5561	2106	627	1106	1479	1925	
		165	1454	1855	689	211	379	577	550	
1965		650	5177	6731	3561	933	1846	2320	2858	
		163	1390	1862	690	147	422	525	675	<u>IN</u>
1966		377	7107	9239	4380	973	1713	2963	4382	702
		132	1474	1957	696	207	428	662	948	80
1967	(Entered under BZ and CH)	2635	3242	1275	298	708	1086	1513	98	
		1043	1254	407	113	276	382	550	36	

TYPE OF INSTITUTION CODES

For Fiscal Years 1959 through 1962:

- 1 - 100 or more doctorates in science
- 2 - 30 to 99 doctorates in science
- 3 - 1 to 29 doctorates in science
- 4 - 30 or more master's in science
- 5 - 1 to 29 master's in science
- 6 - at least one baccalaureate in science
- 7 - four-year institutions not offering a baccalaureate in science but offering a university-parallel program in science
- 8 - junior or community college offering a university-parallel program in science
- 9 - non-academic or non-degree granting institution
- 0 - information not available
- blank - information not available

For Fiscal Years Beginning 1963:

- 1 through 5 - same definition as FY-59 through FY-62 period
- 6 - more than 200 baccalaureates in science
- 7 - 100 to 199 baccalaureates in science
- 8 - 50 to 99 baccalaureates in science
- 9 - 1 to 49 baccalaureates in science
- 0 - grants degrees, but no science degrees
- - grants no degrees (includes junior and community colleges)
- blank - data not available

Notes:

1. All type of institution data from FY 59, 60, and 61 are as the institution was classified in FY 62.
2. Funds granted in URP include all funds eventually awarded to proposals submitted in that year.

Question 3. What fraction of the grants have been new grants as opposed to continuation of existing programs?

This question cannot be answered completely. The count of new and renewal requests was not maintained regularly until FY66, and our figures for FY67 were categorized by type of institution only through a hand tally. Total new vs. renewal figures are available for FY62 and FY63 as a result of a study conducted about that time.

Question 4. How many URP participants continued on to graduate school?

This question cannot be answered. We receive one information sheet from each participant at the close of each term of participation, but we do not require later reports. We know that the proportion of ex-participants going on to graduate school is very high and our experience leads us to believe that the variation is small and spread randomly among the types of institutions.

Question 6. Does the Foundation have any information with regard to the projected future of this program?

The Undergraduate Division views the Undergraduate Research Participation program as one of its most important programs. As I think you know, there has been some tapering-off of support for the academic year segment of the program, and an attempt to orient that segment toward support of institutions endeavoring to determine whether participation by undergraduates in research should become a part of the normal undergraduate curriculum. At the same time, we have attempted to maintain the level of the summer phase of the program. As with all other programs, URP is reviewed annually, and what its future will be depends on our assessment of its accomplishments vis a vis those of other programs supported by the Foundation.

Question 7. Are URP funds at large universities with graduate programs more productive than at undergraduate liberal arts colleges?

It is sufficiently difficult to arrive at a definition of "productive" in this context to make any attempt to answer this question almost meaningless. It is our feeling, however, that if we concentrate on the identification of projects involving high quality of research opportunity (scientific merit) and high potential for providing valuable experience to the student (educational merit), we can provide maximum benefits to the participating students--regardless of whether the institutions at which the project is carried out is large or small.

Question 3

UNDERGRADUATE RESEARCH PARTICIPATION PROGRAM

Number of New and Renewal Grants by
Type of Institution in FY 67

Type of Institution	1	2	3	4	5	6	7	8	9	0	-	(blank)
New Grants	30	16	15	8	6	13	4				6	2
Renewal Grants	160	46	37	45	37	46	20	2	2	1	10	2
Renewal Grants "Special Commitments"	38	11	12	7	9	9	3				1	1

UNDERGRADUATE RESEARCH PARTICIPATION PROGRAM

Number of Proposals Received and Grants Made
in Fiscal Years 1959 Through 1967

Type of Institution	1	2	3	4	5	6	7	8	9	0	-	(blank)
1959 ¹ / Requests	72	46	27	38	37	68				12		
Grants	49	35	19	23	31	49				7		
1960 ¹ / Requests	148	129	82	93	78	179				16		4
Grants	105	91	57	59	58	110				11		2
1961 ¹ / Requests	120	125	77	72	71	103				19		2
Grants	95	88	42	40	45	60				14		2
1962 ¹ / Requests	207	163	86	122	126	260				13		3
Grants	131	94	53	55	59	93				6		2
1963 ² / Requests	229	198	111	100	110	120	74	30	36	22	9	5
Grants	170	130	53	55	77	65	35	9	16	14	2	1
1964 ² / Requests	276	113	107	98	76	104	90	35	18	7	19	4
Grants	205	80	65	50	47	58	41	8	7	2	12	1
1965 ² / Requests	355	122	122	118	106	123	96	26	29	7	21	14
Grants	195	71	48	66	52	59	46	8	8	5	15	9
1966 ² / Requests	430	159	183	182	183	182	142	51	30	14	46	21
Grants	222	94	70	75	75	76	46	9	2	8	22	11
1967 ² / Requests	357	120	114	116	100	144	78	18	11	3	22	14
Grants	228	73	64	60	51	69	27	2	2	1	17	5

1/ See Type of Institution for 1959-1962
2/ See Type of Institution for 1963-1967

UNDERGRADUATE RESEARCH PARTICIPATION PROGRAM

Number of New and Renewal* Grants

Year	New	Renewal
1959		
1960		
1961		
1962	306	248
1963	283	486
1964		
1965		
1966	207*	502*
1967	100	499

* Notes:

1. Renewal figures include grants issued as "semi-automatic" renewals of earlier grants.
2. FY 66 grant figures are approximate.

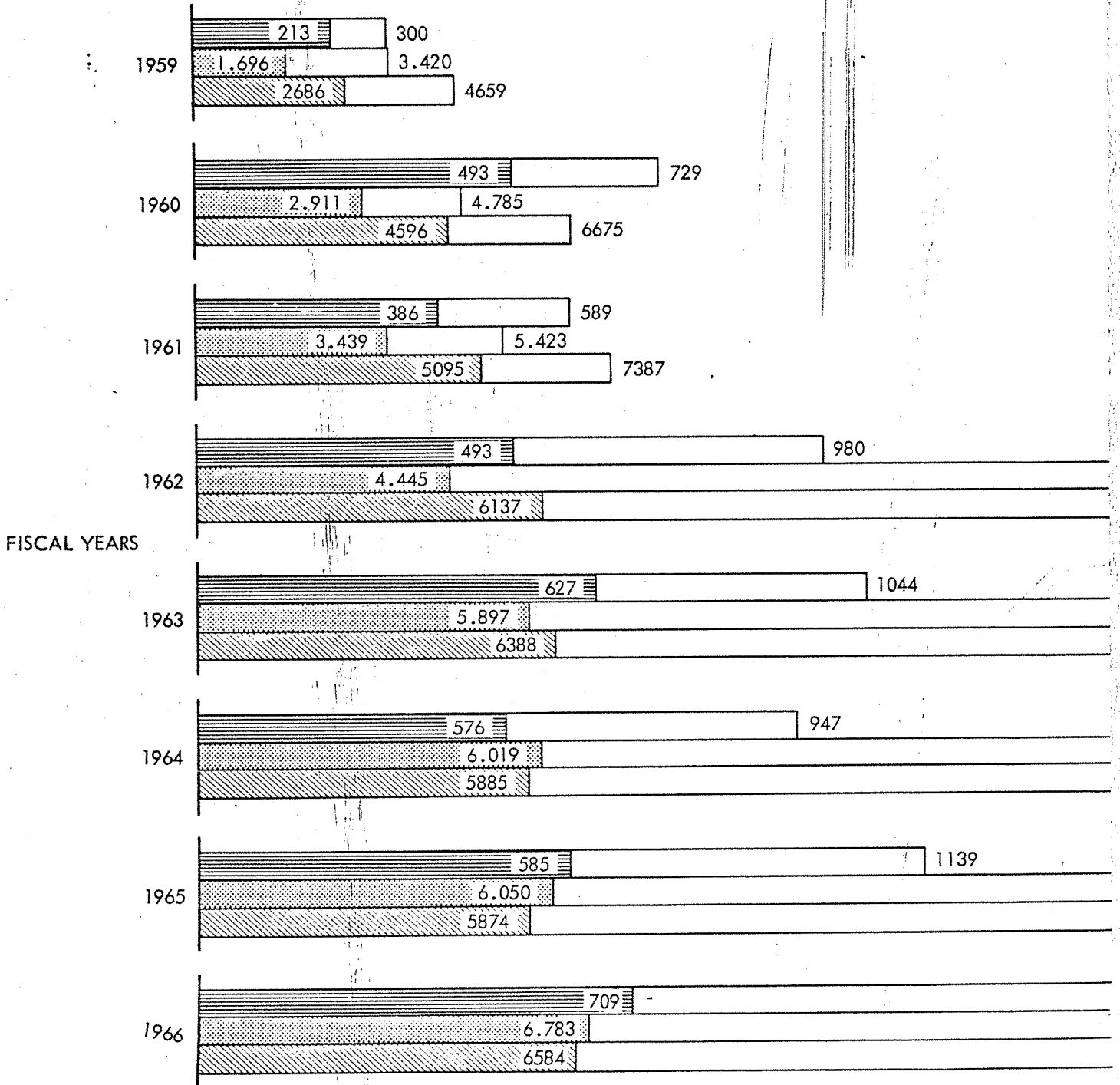
UNDERGRADUATE RESEARCH PARTICIPATION PROGRAM

Funds Requested by Institutions and Granted by NSF--
Fiscal Years 1959 - 1967

<u>Year</u>		<u>Amount</u>	<u>Term Covered by Requests</u>
1959	Requested	\$3,419,919	1 year
	Granted	1,695,785	
1960		4,785,409	1 year
		2,911,350	
1961		5,423,276	1 year
		3,439,281	
1962		17,355,273	3 years
		4,445,177	
1963		21,973,227	3 years
		5,896,553	
1964		17,658,075	3 years
		6,018,741	
1965		25,100,291	3 years
		6,049,640	
1966		33,500,488	2 years
		6,783,390	
1967		12,378,931	1 year
		5,000,000	

UNDERGRADUATE RE REQUESTS AND GR

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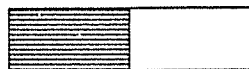


PART I

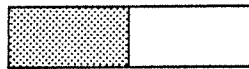
SEARCH PARTICIPATION DOLLARS BY FISCAL YEAR 1965-1966

LEGEND

GRANT REQUEST



NO. OF ACTIONS



DOLLARS (IN MILLIONS)



NO. OF PARTICIPANTS

