

From Eric [unclear] June 5

*To Dennis Stafford
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TABLE 1
UNC FIRST-TIME FRESHMEN GRADUATION RATES BY INSTITUTION,
YEAR OF ENTRY, AND NUMBER OF YEARS AFTER ENTRY

INSTITUTION	YEAR OF ENTRY	NO. OF YEARS AFTER ENTRY				INSTITUTION	YEAR OF ENTRY	NO. OF YEARS AFTER ENTRY			
		4	5	6	7			4	5	6	7
ASU	1977	31.5	48.5	52.5	53.6	UNC-A	1977	30.6	36.4	37.3	38.3
	1978	30.0	49.5	53.1	54.2		1978	17.1	21.2	23.7	24.9
	1979	29.1	48.7	51.6	53.0		1979	13.6	22.5	25.4	26.8
	1980	31.3	48.8	52.5	53.5		1980	12.7	19.5	21.8	23.2
	1981	26.7	49.1	53.2	-		1981	11.6	23.6	29.2	-
	1982	25.6	46.1	-	-		1982	10.3	21.9	-	-
1983	24.3	-	-	-	1983	13.6	-	-	-		
ECU	1977	20.7	39.3	44.2	45.3	UNC-CH	1977	58.6	73.2	76.0	77.0
	1978	26.4	42.9	47.3	51.0		1978	57.9	73.1	75.2	76.1
	1979	24.6	43.1	53.9	55.8		1979	57.3	72.2	74.1	74.9
	1980	22.6	41.2	46.6	48.1		1980	58.2	72.9	75.7	76.9
	1981	19.8	37.6	43.2	-		1981	56.2	71.3	74.6	-
	1982	19.5	41.0	-	-		1982	54.9	71.2	-	-
1983	19.2	-	-	-	1983	57.4	-	-	-		
ECSU	1977	36.3	41.9	42.2	46.4	UNC-C	1977	30.4	42.9	45.1	45.6
	1978	30.2	39.9	47.0	47.3		1978	32.4	43.0	45.6	47.3
	1979	24.3	43.1	44.8	44.8		1979	26.0	37.6	41.1	46.8
	1980	29.6	42.5	44.3	45.6		1980	24.7	39.0	45.2	47.5
	1981	29.5	36.4	41.9	-		1981	20.9	41.2	45.3	-
	1982	28.8	42.7	-	-		1982	26.2	42.5	-	-
1983	27.3	-	-	-	1983	21.7	-	-	-		
FSU	1977	15.3	24.4	26.8	27.5	UNC-G	1977	43.8	53.7	55.3	55.7
	1978	18.3	26.4	28.3	28.9		1978	39.1	49.0	50.7	52.0
	1979	10.1	16.3	18.5	19.1		1979	36.7	48.1	50.3	51.7
	1980	7.5	15.4	18.6	19.5		1980	37.3	49.5	51.9	52.7
	1981	7.9	18.4	21.8	-		1981	31.6	46.7	49.8	-
	1982	9.6	16.7	-	-		1982	30.2	44.4	-	-
1983	8.5	-	-	-	1983	28.3	-	-	-		
NCA&T	1977	24.9	37.4	40.6	41.6	UNC-W	1977	14.9	27.0	31.4	33.7
	1978	18.0	29.3	39.3	41.6		1978	20.0	33.1	36.3	37.4
	1979	18.1	46.1	46.3	49.0		1979	22.4	36.3	39.6	40.5
	1980	15.4	30.3	34.7	36.9		1980	19.1	34.1	38.8	40.8
	1981	11.4	24.8	32.0	-		1981	19.0	35.7	40.0	-
	1982	12.6	26.9	-	-		1982	17.9	34.2	-	-
1983	13.0	-	-	-	1983	18.5	-	-	-		
NCCU	1977	31.0	40.9	44.1	46.0	WCU	1977	23.2	33.9	36.1	36.9
	1978	25.6	35.8	40.1	41.5		1978	20.3	32.8	36.4	37.8
	1979	18.5	32.4	38.5	39.9		1979	29.3	43.8	45.7	46.6
	1980	15.2	28.6	33.8	35.6		1980	21.2	37.3	40.1	40.9
	1981	13.5	23.2	28.3	-		1981	20.3	37.7	40.6	-
	1982	12.0	23.4	-	-		1982	21.0	35.7	-	-
1983	11.3	-	-	-	1983	18.1	-	-	-		
NCSU-R	1977	28.8	51.1	56.0	58.1	WSSU	1977	24.3	34.7	38.3	39.9
	1978	25.8	47.8	54.5	56.8		1978	20.9	32.6	36.4	37.7
	1979	24.5	49.3	56.0	58.1		1979	23.4	37.8	42.7	44.1
	1980	22.8	49.8	56.9	58.7		1980	16.2	32.1	36.6	39.7
	1981	22.8	51.0	57.3	-		1981	8.6	26.1	30.8	-
	1982	24.1	52.4	-	-		1982	8.6	16.6	-	-
1983	21.1	-	-	-	1983	5.6	-	-	-		
PSU	1977	23.0	32.6	39.8	42.0	UNC-ALL*	1977	32.8	47.4	50.8	52.1
	1978	20.7	32.7	35.0	35.0		1978	31.5	46.2	50.3	52.0
	1979	22.9	35.3	36.7	36.7		1979	30.8	48.0	52.2	53.9
	1980	22.1	33.9	36.5	37.2		1980	28.7	45.7	50.1	51.6
	1981	24.9	35.3	37.9	-		1981	26.6	44.6	49.2	-
	1982	20.2	31.9	-	-		1982	26.8	44.9	-	-
1983	21.8	-	-	-	1983	25.4	-	-	-		

* Does not include NCSA.
SOURCE: NCHED A-7 Reports, 1977-1987.
UNC-GA

UNC FIRST-YEAR FRESHMEN RETENTION RATES BY INSTITUTION,
YEAR OF ENTRY, AND NUMBER OF YEARS AFTER ENTRY

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INSTITUTION	YEAR OF ENTRY	NO. OF YEARS AFTER ENTRY			INSTITUTION	YEAR OF ENTRY	NO. OF YEARS AFTER ENTRY		
		1	2	3			1	2	3
ASU	1977	76.5	61.7	56.7	UNC-A	1977	62.7	42.1	35.9
	1978	76.8	63.1	56.5		1978	62.0	41.2	31.4
	1979	76.4	60.8	55.8		1979	66.7	47.4	40.4
	1980	74.8	62.7	56.6		1980	58.6	43.6	35.9
	1981	80.6	63.9	58.2		1981	67.0	48.1	40.8
	1982	76.6	62.0	55.0		1982	64.7	44.1	36.1
	1983	77.9	61.1	56.5		1983	74.6	53.8	47.0
	1984	78.6	64.4	59.2		1984	69.5	51.2	43.4
	1985	79.4	66.3	-		1985	71.0	53.9	-
1986	82.6	-	-	1986	69.3	-	-		
ECU	1977	73.3	62.0	55.2	UNC-CH	1977	89.1	81.2	78.2
	1978	75.1	63.0	55.4		1978	89.3	82.3	77.2
	1979	74.2	61.3	55.0		1979	89.0	80.9	77.8
	1980	74.8	60.4	53.8		1980	89.9	82.0	78.5
	1981	74.0	57.7	51.8		1981	90.1	81.3	77.4
	1982	75.2	62.5	55.8		1982	89.7	80.3	76.9
	1983	76.0	61.2	54.1		1983	90.1	84.1	80.7
	1984	74.8	59.9	52.9		1984	89.2	82.4	80.2
	1985	75.0	60.6	-		1985	92.1	86.2	-
1986	75.8	-	-	1986	92.6	-	-		
ECSU	1977	66.5	56.7	51.1	UNC-C	1977	78.0	60.2	55.1
	1978	67.4	57.9	56.0		1978	75.3	61.7	56.4
	1979	68.2	56.9	53.8		1979	75.4	59.6	54.0
	1980	65.4	54.4	51.3		1980	71.8	55.3	52.0
	1981	68.1	53.8	47.4		1981	71.3	54.0	50.1
	1982	67.4	60.1	52.8		1982	73.0	57.9	51.2
	1983	63.6	54.9	48.1		1983	72.4	72.4	55.6
	1984	62.9	52.7	44.4		1984	71.6	63.4	59.3
	1985	59.2	44.7	-		1985	77.2	64.5	-
1986	62.6	-	-	1986	75.9	-	-		
FSU	1977	85.6	44.3	38.4	UNC-G	1977	78.6	62.8	59.1
	1978	59.8	50.0	37.0		1978	75.5	63.1	56.2
	1979	57.2	39.6	34.4		1979	76.4	61.7	56.7
	1980	62.2	37.0	31.4		1980	74.7	61.7	57.7
	1981	56.9	43.9	29.3		1981	76.0	61.8	54.8
	1982	58.1	36.6	31.1		1982	75.1	59.4	56.1
	1983	52.2	37.8	26.9		1983	71.5	60.7	56.0
	1984	61.9	41.3	29.4		1984	76.8	62.3	57.0
	1985	54.1	33.9	-		1985	77.6	63.2	-
1986	57.3	-	-	1986	74.8	-	-		
NCA&T	1977	67.5	66.4	66.4	UNC-W	1977	70.5	53.4	45.0
	1978	76.3	63.9	44.8		1978	72.7	55.7	44.1
	1979	70.1	21.5	49.3		1979	72.7	53.9	45.5
	1980	63.6	55.7	50.2		1980	74.5	51.4	43.5
	1981	67.2	57.2	49.3		1981	69.0	53.1	45.6
	1982	71.4	57.6	51.6		1982	69.1	50.7	41.3
	1983	66.0	56.6	49.5		1983	68.3	55.1	46.3
	1984	71.4	62.6	54.7		1984	70.7	56.4	50.0
	1985	70.3	58.2	-		1985	70.3	56.8	-
1986	75.0	-	-	1986	73.2	-	-		
NCCU	1977	77.0	63.9	57.4	WCU	1977	63.2	44.1	41.4
	1978	75.4	60.1	56.6		1978	64.3	47.2	42.4
	1979	74.1	64.1	57.4		1979	61.8	48.6	42.8
	1980	70.7	62.5	54.4		1980	65.7	51.2	45.9
	1981	66.3	55.8	41.4		1981	63.0	50.4	47.2
	1982	77.1	47.8	43.7		1982	69.5	54.2	46.8
	1983	61.7	53.9	46.9		1983	68.4	52.0	47.7
	1984	72.0	55.4	46.7		1984	67.4	53.6	48.0
	1985	71.4	57.4	-		1985	72.0	58.8	-
1986	71.0	-	-	1986	69.9	-	-		
NCSU	1977	79.3	70.2	67.6	WSSU	1977	73.6	61.0	50.9
	1978	81.9	70.9	65.4		1978	70.7	52.8	46.7
	1979	82.4	71.5	66.0		1979	76.0	60.8	49.7
	1980	83.8	72.9	67.6		1980	71.2	57.1	48.3
	1981	83.5	73.3	68.2		1981	64.9	52.6	46.2
	1982	85.5	74.7	67.6		1982	68.5	50.6	43.8
	1983	86.0	75.9	70.9		1983	70.2	51.5	48.4
	1984	87.5	77.7	70.2		1984	66.5	51.9	44.2
	1985	87.7	76.0	-		1985	67.1	51.6	-
1986	84.6	-	-	1986	67.6	-	-		
PSU	1977	88.5	54.5	46.3	UNC-ALL	1977	77.3	64.0	59.6
	1978	66.0	50.3	40.7		1978	76.8	64.5	57.5
	1979	67.7	50.7	43.1		1979	76.7	62.0	58.3
	1980	64.6	49.7	42.7		1980	76.0	63.4	58.0
	1981	66.4	51.1	44.6		1981	75.9	62.9	56.8
	1982	67.3	51.5	41.6		1982	77.4	63.3	57.2
	1983	75.5	58.6	48.8		1983	76.2	65.2	58.8
	1984	72.3	59.6	54.3		1984	77.8	65.9	60.0
	1985	69.0	56.2	-		1985	78.4	66.1	-
1986	73.4	-	-	1986	78.6	-	-		

* Does not include NCSA.
SOURCE: NCHED A-7 Reports, 1977-1987.
UNC-GA

Statistical
Data

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NORTH CAROLINA STATE UNIVERSITY AT RALEIGH

Premedical Review Committee Information on
Medical School Admission



Entering Class: Fall 1985

Number of Students Accepted: 38 of 92 applicants

Mean GPA for Biol., Chem., Physics, Math	Mean Undergrad. GPA	MCAT Scores (mean) 37 of 38 students*					
		Biol.	Chem.	Physics	Sci. Prob.	Read- ing	Quant.
3.50	3.51	10	09	09	09	09	09

Entering Class: Fall 1984

Number of Students Accepted: 38 of 85 applicants

Mean GPA for Biol., Chem., Physics, Math	Mean Undergrad. GPA	MCAT Scores (mean) 31 of 38 students*					
		Biol.	Chem.	Physics	Sci. Prob.	Read- ing	Quant.
3.39	3.42	10	09	10	09	08	09

Entering Class: Fall 1983

Number of Students Accepted: 38 of 89 applicants

Mean GPA for Biol., Chem., Physics, Math	Mean Undergrad. GPA	MCAT Scores (mean) 37 of 38 students*					
		Biol.	Chem.	Physics	Sci. Prob.	Read- ing	Quant.
3.36	3.37	09	09	09	09	09	09

*MCAT Results (Maximum Score: 15 per category)

Ten-Year Summary of Admission of NCSU Students to Medical Schools

Period	Number of Students Admitted	Total NCSU Applicants	Percentage Admitted
Fall 1976 through Fall 1985	387	818	47.3%

Subfield of Doctorate	Number of Doctorates			Subfield of Doctorate	Number of Doctorates		
	Men	Women	Total		Men	Women	Total
TOTAL ALL FIELDS	20502	10699	31201				
PHYSICAL SCIENCES	3817	714	4531				
MATHEMATICS	583	106	689				
Applied Mathematics	98	19	117				
Algebra	49	6	55				
Analysis and Functional Analysis	17	10	27				
Geometry	33	2	35				
Logic	26	4	30				
Number Theory	16	2	18				
Probability and Math Statistics	118	32	150				
Topology	31	4	35				
Computing Theory and Practice	14	1	15				
Operations Research	16	6	22				
Mathematics, General	73	12	85				
Mathematics, Other	36	8	44				
COMPUTER SCIENCE	278	33	311				
Computer Sciences	230	20	250				
Information Sciences and Systems	48	13	61				
PHYSICS AND ASTRONOMY	976	102	1078				
Astronomy	38	5	43				
Astrophysics	51	6	57				
Acoustics	7	3	10				
Atomic and Molecular	52	6	58				
Electron	3	1	4				
Elementary Particles	146	8	154				
Fluids	15	1	16				
Nuclear Structure	79	7	86				
Optics	41	9	50				
Plasma	52	3	55				
Polymer	8	3	11				
Solid State	229	19	248				
Physics, General	166	10	176				
Physics, Other	89	21	110				
CHEMISTRY	1474	362	1836				
Analytical	223	62	285				
Inorganic	204	47	251				
Nuclear	6	1	7				
Organic	414	79	493				
Pharmaceutical	45	15	60				
Physical	234	70	304				
Polymer	70	14	84				
Theoretical	41	7	48				
Chemistry, General	169	45	214				
Chemistry, Other	68	22	90				
EARTH, ATMOSPHERIC AND MARINE SCI	506	111	617				
Atmospheric Physics and Chemistry	15	1	16				
Atmospheric Dynamics	20	1	21				
Meteorology	20	2	22				
Atmos and Meteorological Sci, Gen	10	0	10				
Atmos and Meteorological Sci, Other	90	21	111				
Geochemistry	37	11	48				
Geophysics and Seismology	78	13	91				
Paleontology	18	5	23				
Mineralogy, Petrology	18	10	28				
Stratigraphy, Sedimentation	18	5	23				
Geomorphology and Glacial Geology	12	1	13				
Applied Geology	8	8	16				
Geological Sciences, General	6	5	11				
Geological Sciences, Other	8	3	11				
Environmental Sciences	36	6	42				
Hydrology and Water Resources	16	1	17				
Oceanography	47	21	68				
Marine Sciences	22	2	24				
Physical Sciences, Other	17	3	20				
ENGINEERING	2967	198	3165				
Aerospace, Aeronaut & Astronaut	119	5	124				
Agricultural	57	3	60				
Bioengineering and Biomedical	58	11	69				
Ceramic	19	19	38				
Chemical	405	35	440				
Civil	339	18	357				
Communications	28	2	30				
Computer	51	5	56				
Electrical, Electronics	603	28	631				
Engineering Mechanics	84	4	88				
Engineering Physics	11	1	12				
Engineering Science	31	3	34				
Environmental Health Engineering	31	2	33				
Industrial	6	6	12				
Materials Science	165	23	188				
Mechanical	402	22	424				
Metalurgical	87	9	96				
Mining and Mineral	16	1	17				
Naval Architecture, Marine Eng	8	8	16				
Nuclear	93	3	96				
Ocean	25	8	33				
Operations Research	46	8	54				
Petroleum	24	2	26				
Polymer	34	6	40				
Systems Engineering	53	4	57				
Engineering, General	26	26	52				
Engineering, Other	66	3	69				
LIFE SCIENCES	3893	1855	5748				
BIOLOGICAL SCIENCES	2537	1229	3766				
Biochemistry	395	184	579				
Biophysics	62	7	69				
Bacteriology	13	4	17				
Plant Genetics	23	8	31				
Plant Pathology	30	8	38				
Plant Physiology	46	12	58				
Botany, Other	86	34	120				
Anatomy	89	44	133				
Biometrics and Biostatistics	28	12	40				
Cell Biology	61	39	100				
Ecology	148	52	200				
Embryology	10	5	15				
Endocrinology	13	4	17				
Entomology	139	34	173				
Immunology	68	53	121				
Molecular Biology	182	95	277				
Microbiology	174	113	287				
Neurosciences	98	58	156				
Nutritional Sciences	41	72	113				
Parasitology	19	2	21				
Toxicology	74	24	98				
Human and Animal Genetics	56	49	105				
Human and Animal Pathology	74	34	108				
Human and Animal Pharmacology	155	74	229				
Human and Animal Physiology	171	68	239				
Zoology, Other	101	46	147				
Biological Sciences, General	129	62	191				
Biological Sciences, Other	52	32	84				
HEALTH SCIENCES	290	434	724				
Audiology and Speech Pathology	39	60	99				
Environmental Health	18	13	31				
Public Health	45	57	102				
Epidemiology	28	48	76				
Nursing	7	170	177				
Pharmacy	78	28	106				
Veterinary Medicine	34	17	51				
Health Sciences, General	9	5	14				
Health Sciences, Other	32	36	68				
AGRICULTURAL SCIENCES	1066	192	1258				
Agricultural Economics	126	21	147				
Animal Breeding and Genetics	20	8	28				
Animal Nutrition	65	13	78				
Animal Sciences, Other	82	13	95				
Agronomy	139	19	158				
Plant Breeding and Genetics	74	14	88				
Plant Pathology	65	24	89				
Plant Sciences, Other	18	3	21				
Food Sciences	103	33	136				
Soil Sciences	90	7	97				
Horticulture Science	65	11	76				
Fisheries Science	31	5	36				
Wildlife Management	37	1	38				
Forestry Science	90	15	105				
Agriculture, General	5	5	10				
Agriculture, Other	56	5	61				

Statistical Data

TABLE 1 (Continued)

Subfield of Doctorate	Number of Doctorates			Subfield of Doctorate	Number of Doctorates		
	Men	Women	Total		Men	Women	Total
SOCIAL SCIENCES (INCL PSYCH)	3368	2352	5720	PROFESSIONAL FIELDS	1261	595	1856
Anthropology	172	181	353	BUSINESS ADMINISTRATION	649	144	793
Area Studies	14	5	19	Accounting	119	29	148
Criminology	28	10	38	Banking and Finance	95	9	104
Demography	15	9	24	Business Admin and Management	159	20	179
Economics	663	122	785	Business Economics	18	2	20
Econometrics	25	2	27	Marketing Management and Research	8	24	32
Geography	91	29	120	Business Statistics	70	1	71
International Relations	62	16	78	Operations Research	41	4	45
Political Science and Government	299	74	373	Organizational Behavior	39	29	68
Public Policy Studies	46	108	154	Business and Management, General	40	10	50
Sociology	227	234	461	Business and Management, Other	60	16	76
Statistics	46	14	60	COMMUNICATIONS	155	111	266
Urban Studies	55	21	76	Communications Research	25	30	55
Social Sciences, General	10	8	18	Journalism	14	8	22
Social Sciences, Other	59	50	109	Radio and Television	12	7	19
PSYCHOLOGY	1556	1519	3075	Communications, General	58	31	89
Clinical	580	580	1160	Communications, Other	46	35	81
Cognitive	53	23	76	OTHER PROFESSIONAL FIELDS	457	340	797
Comparative	9	2	11	Architecture, Environmental Design	24	12	36
Counseling	217	212	429	Home Economics	13	77	90
Developmental	63	113	176	Law	24	1	25
Experimental	100	65	165	Library and Archival Science	33	39	72
Educational	78	49	127	Public Administration	82	27	109
Industrial and Organizational	71	28	99	Social Work	79	139	218
Personality	12	9	21	Theology	193	36	229
Physiological	44	35	79	Professional Fields, General			
Psychometrics	7	3	10	Professional Fields, Other	9	9	18
Quantitative	12	4	16	EDUCATION	3237	3480	6717
School	38	54	92	Curriculum and Instruction	323	500	823
Social	73	93	166	Educational Admin and Supervision	926	679	1605
Psychology, General	136	122	258	Educational Media	51	50	101
Psychology, Other	92	98	190	Educational Statistics and Research	31	43	74
HUMANITIES	1939	1489	3428	Educational Testing, Eval and Meas	20	24	44
History, American	126	49	175	Educational Psychology	174	216	390
History, European	86	56	142	School Psychology	45	57	102
History of Science	21	2	23	Social Foundations	75	59	134
History, General	57	30	87	Special Education	85	185	270
History, Other	75	41	116	Student Counseling, Personnel Serv	186	209	395
Classics	26	18	44	Higher Education	298	288	586
Comparative Literature	53	80	133	Pre-elementary Education	10	57	67
Linguistics	85	91	176	Elementary Education	31	90	121
Speech and Debate	21	17	38	Junior High Education	1		1
Letters, General	5	8	13	Secondary Education	31	38	69
Letters, Other	11	15	26	Adult and Continuing Education	95	113	208
American Studies	45	42	87	TEACHING FIELDS	560	557	1117
Archeology	15	9	24	Agricultural Education	34	6	40
Art History and Criticism	41	96	137	Art Education	18	25	43
Music	307	140	447	Business Education	19	33	52
Philosophy	196	42	238	English Education	24	44	68
Religion	148	33	181	Foreign Languages Education	16	14	30
Theatre	54	38	92	Health Education	27	62	89
LANGUAGE AND LITERATURE	525	638	1163	Home Economics Education	3	18	21
American	108	95	203	Industrial Arts Education	13	13	26
English	223	302	525	Mathematics Education	33	32	65
French	30	61	91	Music Education	57	23	80
German	8	6	14	Nursing Education	136	20	156
Italian	8	6	14	Physical Education	20	84	104
Spanish	54	91	145	Reading Education	93	39	132
Russian	13	15	28	Science Education	49	39	88
Slavic	7	3	10	Social Science Education	16	8	24
Chinese	7	7	14	Speech Education	4	3	7
Japanese	10	3	13	Trade and Industrial Education	59	23	82
Hebrew	6	3	9	Other Teaching Fields	31	30	61
Arabic	4	1	5	Education, General	159	144	303
Other Languages	30	19	49	Education, Other	136	171	307
Humanities, General	16	11	27	OTHER AND UNSPECIFIED	20	16	36
Humanities, Other	26	33	59				

SOURCE: National Research Council, Office of Scientific and Engineering Personnel, Doctorate Records File

Subfield of Doctorate	Non-U.S. Citizens		U.S. Citizens and Non-U.S. w/ Permanent Visas							Racial/Ethnic Group			
	Total Doctorates	Temp. Visas	Total	U.S. Citizens				Puerto Rican	Mex-ican	Other His-panic	Other & Unk		
				Amer. Ind.	Asian	Black	White						
TOTAL ALL FIELDS	31201 ^{2/}	5214	24561	93	1067	1040	21174	145	191	295	556		
PHYSICAL SCIENCES	4531	1064	3281	4	220	41	2856	8	18	28	106		
MATHEMATICS	689	239	418		33	7	350		5	7	16		
Applied Mathematics	117	47	64		6		51		3	2	2		
Algebra	55	21	34		2		30				2		
Analysis and Functional Analysis	83	27	56		2		51			1	2		
Geometry	35	14	21		1		18			1	1		
Logic	30	6	24		2		21				1		
Number Theory	18	7	11				10				1		
Probability and Math Statistics	150	61	88		14	4	67		2	1			
Topology	35	9	26		1		24			1			
Computing Theory and Practice	15	2	13				12				1		
Operations Research	22	8	14		1		13						
Mathematics, General	85	25	36		2	1	28			1	4		
Mathematics, Other	44	12	31		2	2	25				2		
COMPUTER SCIENCE	311	89	213		17	3	177		2	4	10		
Computer Sciences	250	71	170		16	3	141		2	1	7		
Information Sciences and Systems	61	18	43		1		36			3	3		
PHYSICS AND ASTRONOMY	1078	289	744	1	37	4	656	1	3	9	33		
Astronomy	43	6	36				33				3		
Astrophysics	57	8	48		2		44				2		
Acoustics	10	2	8		1		7				1		
Atomic and Molecular	58	15	43	1	1		40				1		
Electron	4	1	3				3						
Elementary Particles	154	48	105		7	1	94		1	1	1		
Fluids	16	5	11				9			1	1		
Nuclear Structure	86	22	64		2		54			2	6		
Optics	50	13	35		1		34						
Plasma	55	15	40		2		36			1	1		
Polymer	11	3	8		3		5						
Solid State	248	79	169		10	1	149	1	1	2	5		
Physics, General	176	45	95		6	1	78				9		
Physics, Other	110	27	79		2	1	70		1	1	4		
CHEMISTRY	1836	330	1431	2	112	23	1242	7	5	5	35		
Analytical	285	36	248	1	9	2	230	2		1	3		
Inorganic	251	38	211		13	2	187	1	1	2	5		
Nuclear	7	1	6				5						
Organic	493	87	401		38	11	341	3	2	1	5		
Pharmaceutical	60	9	48		10		36				2		
Physical	304	54	248		10	2	224	1	2		9		
Polymer	84	25	59		18	2	39						
Theoretical	48	5	43		5		40				1		
Chemistry, General	214	55	101		9	2	81			1	8		
Chemistry, Other	90	20	66	1	3	1	59				2		
EARTH, ATMOSPHERIC AND MARINE SCI	617	117	475	1	21	4	431		3	3	12		
Atmospheric Physics and Chemistry	16	1	15				14						
Atmospheric Dynamics	21	6	15		2		13						
Meteorology	22	6	16		1	1	14						
Atmos and Meteorological Sci, Gen	10	4	6		1		4				1		
Atmos and Meteorological Sci, Other	10	3	6				6						
Geology	111	22	86	1	2		79			1	3		
Geochemistry	48	9	39			2	36				1		
Geophysics and Seismology	91	21	65		6		56		2		1		
Paleontology	23	1	20				20						
Mineralogy, Petrology	28	3	25		3		23				1		
Stratigraphy, Sedimentation	3		3				20						
Geomorphology and Glacial Geology	13	1	12				12						
Applied Geology	8	1	7				5				1		
Geological Sciences, General	11	1	8				8		1				
Geological Sciences, Other	41	3	38				35						
Environmental Sciences	42	6	35		2	1	30			2			
Hydrology and Water Resources	17	5	9				7						
Oceanography	68	13	52		2		47				3		
Marine Sciences	24	4	20				20						
Physical Sciences, Other	20	4	11		2		8				1		
ENGINEERING	3165	1413	1594	1	281	34	1188	5	6	11	68		
Aerospace, Aeronaut & Astronaut	124	51	70		12	3	53				2		
Agricultural	60	34	26		1	2	21	1	1				
Bioengineering and Biomedical	69	14	52		5		45				2		
Ceramic	19	5	13				11				1		
Chemical	440	172	257		48	4	190	1	1		13		
Civil	357	191	152		24	4	114	2	1	4	3		

1/ For an explanation of racial/ethnic groups see items 9 and 10 on questionnaire on page 2 and description on page 2.
2/ Includes 1,426 individuals who did not report their citizenship at time of doctorate.

Table 1A (continued)

Subfield of Doctorate	Total Doctorates	Non-U.S. Citizens Temp. Visas	U.S. Citizens and Non-U.S. with Permanent Visas Racial/Ethnic Group								
			Total	Amer. Ind.	Asian	Black	White	Puerto Rican	Mex-ican	Other His-panic	Other & Unk
<u>SOCIAL SCIENCES (INCL PSYCH)</u>	<u>5720</u>	<u>666</u>	<u>4747</u>	<u>17</u>	<u>118</u>	<u>205</u>	<u>4159</u>	<u>25</u>	<u>44</u>	<u>65</u>	<u>114</u>
Anthropology	353	23	316	3	12	10	260	2	5	8	16
Area Studies	19	3	14		1	1	9			2	1
Criminology	38	7	31		2	2	27				
Demography	24	12	12	1					1		1
Economics	785	269	481	2	26	14	405	2	1	9	20
Econometrics	27	10	17		1		15				
Geography	120	26	86		4	1	77	1	1	1	1
International Relations	78	13	60		1	4	46	1		3	5
Political Science and Government	407	79	292	1	10	22	236		2	4	17
Public Policy Studies	70	9	58		1	4	53				
Sociology	461	60	380		8	26	323	5	7	5	6
Statistics	60	34	21		4		17				
Urban Studies	76	21	51		3	8	37	1	1		1
Social Sciences, General	18	4	9		1	1	7				1
Social Sciences, Other	109	14	89		1	6	80	1		1	
<u>PSYCHOLOGY</u>	<u>3075</u>	<u>82</u>	<u>2830</u>	<u>10</u>	<u>44</u>	<u>105</u>	<u>2558</u>	<u>12</u>	<u>24</u>	<u>32</u>	<u>45</u>
Clinical	1160	9	1099	2	16	50	992	4	5	15	15
Cognitive	76	3	73	1	2		69			1	
Comparative	11		11				11				
Counseling	429	7	415	3	4	17	376	1	4	6	4
Developmental	176	9	166		3	4	152	1	1	3	2
Experimental	165	12	153		1	2	147			1	2
Educational	127	3	120	1	2	5	108			1	2
Industrial and Organizational	99	2	97	1	1	1	91		1	2	2
Personality	21		21		1	2	18				1
Physiological	79	5	74		1	1	70				1
Psychometrics	10	2	8		1	1	7	1			1
Quantitative	16	1	15		2	1	12				1
School	92	1	90		1	3	80	1	1	2	2
Social	166	7	158		4	11	140			3	
Psychology, General	258	11	171	1	2	4	143	3	4	2	12
Psychology, Other	190	10	159	1	5	4	142	1	4		2
<u>HUMANITIES</u>	<u>3428</u>	<u>264</u>	<u>2998</u>	<u>8</u>	<u>67</u>	<u>75</u>	<u>2664</u>	<u>19</u>	<u>24</u>	<u>70</u>	<u>71</u>
History, American	175	7	168	1	1	10	152		1	1	2
History, European	142	6	135				130	1		1	3
History of Science	23	4	18				17				
History, General	87	10	54	1		2	45	1	1		4
History, Other	116	14	100		5	6	84	1	1	1	2
Classics	44	5	38				36				2
Comparative Literature	133	19	108		3	5	91	1		6	2
Linguistics	176	46	122	1	11	2	99	2	1	2	4
Speech and Debate	38		38			4	30			3	1
Letters, General	13		13				12				1
Letters, Other	26	2	23	2		1	20				
American Studies	87	5	79		1	2	72		2		2
Archeology	24	3	21				21				4
Art History and Criticism	137	8	123		3	3	108		2	3	4
Music	447	21	394	1	8	9	360	1	2	4	9
Philosophy	238	19	209		7	4	190	1	2	2	5
Religion	181	10	165		7	5	146			3	4
Theatre	92	7	81		2	2	76				1
<u>LANGUAGE AND LITERATURE</u>	<u>1163</u>	<u>69</u>	<u>1044</u>	<u>1</u>	<u>18</u>	<u>19</u>	<u>917</u>	<u>12</u>	<u>12</u>	<u>44</u>	<u>21</u>
American	203	13	189		1	4	178		3	1	2
English	525	23	476	1	8	6	449	1	2	2	7
French	86	5	78				71	1			
German	62	8	51				48				3
Italian	14	1	13				13				
Spanish	145	10	128			2	72	8	6	38	2
Russian	28		28				27				1
Slavic	10	1	8				7				1
Chinese	14	2	12		4		7				1
Japanese	13	2	10		4		6				1
Hebrew	9	1	8				6				
Arabic	5	1	4				4				
Other Languages	49	2	39		1	1	27	2	1	3	4
Humanities, General	27		27	1	1	1	18				1
Humanities, Other	59	9	43				40		1		2

Subfield of Doctorate	Non-U.S. Citizens		U.S. Citizens and Non-U.S. with Permanent Visas										
	Total Doctorates	Temp. Visas	Racial/Ethnic Group							Other His-panic	Other & Unk		
			Total	Amer. Ind.	Asian	Black	White	Puerto Rican	Mex-ican				
Communications	30	12	17		5			12					
Computer	56	25	25		12			13					
Electrical, Electronics	631	273	312	1	46	8		235		3	1		18
Engineering Mechanics	88	46	37		7	1		27					2
Engineering Physics	12	4	8		2			5					
Engineering Science	31	13	18		4			13	1				
Environmental Health Engineering	33	15	18		2			16					
Industrial	92	48	37		6	2		27					2
Materials Science	188	78	102		17			81					4
Mechanical	424	191	214		51	2		149			3		9
Metalurgical	96	43	50		10	2		37					1
Mining and Mineral	16	8	7					7					
Naval Architecture, Marine Eng	8	6	2					2					
Nuclear	96	48	43		5	1		35			1		1
Ocean	25	20	5					5					
Operations Research	54	25	28		5			21			1		1
Petroleum	24	11	11		5			6					
Polymer	40	16	24		7	2		15					
Systems Engineering	57	29	25		2	2		18					3
Engineering, General	26	9	4					3					1
Engineering, Other	69	26	37		4	1		26			1		5
LIFE SCIENCES	5748	922	4619	18	210	98	4112	18	17	53	93		
BIOLOGICAL SCIENCES	3766	422	3234	13	151	53	2890	10	11	38	68		
Biochemistry	579	69	498	2	34	6	439	1	1	6	9		
Biophysics	69	9	58		4		54						
Bacteriology	17	2	15	1		1	13						
Plant Genetics	31	6	25		2	1	20	1			1		
Plant Pathology	38	10	28		2	2	24						
Plant Physiology	58	12	46		4	1	43		1		1		
Botany, Other	120	17	100	3	4	1	88				2		1
Anatomy	133	10	118		7	1	109				1		1
Biometrics and Biostatistics	40	6	33		3	2	25		1		1		2
Cell Biology	100	7	90	1	4	1	80	1	1		2		2
Ecology	200	17	182	1	5		172	2			1		1
Embryology	15		15				15						
Endocrinology	17	3	14		1		12		1				
Entomology	173	32	136		1	1	128	2	1		1		2
Immunology	121	10	110		6	2	95				2		5
Molecular Biology	277	30	244	3	15	1	218	1			2		4
Microbiology	287	38	241	1	8	5	222		2		2		1
Neurosciences	156	12	141		3	1	133				3		1
Nutritional Sciences	113	24	88		5	4	72	1			1		5
Parasitology	21	3	18		1	2	14				1		
Toxicology	98	6	89	1	4	1	82						
Human and Animal Genetics	105	11	92		5	3	78		1				5
Human and Animal Pathology	108	13	94		2	1	89				2		
Human and Animal Pharmacology	229	19	205		11	7	176				4		7
Human and Animal Physiology	239	23	204		8	4	186				3		3
Zoology, Other	147	9	128		6	5	115				1		1
Biological Sciences, General	191	14	153		8	1	126			2	2		14
Biological Sciences, Other	84	10	69		1	1	62		1		3		1
HEALTH SCIENCES	724	97	572	1	33	23	491	4	4	6	10		
Audiology and Speech Pathology	99	3	96				85			3	1		2
Environmental Health	31	3	28	1			25						2
Public Health	102	11	80		2	8	68				2		
Epidemiology	76	11	62		2	1	57	1			1		
Nursing	177	15	157		3	4	146	2	1				1
Pharmacy	106	31	59		19		34						4
Veterinary Medicine	51	17	32		3	2	27						
Health Sciences, General	14	1	5				5						
Health Sciences, Other	68	5	53		4	3	44				1		1
AGRICULTURAL SCIENCES	1258	403	813	4	26	22	731	4	2	9	15		
Agricultural Economics	147	48	87		2	6	72	2	1				4
Animal Breeding and Genetics	28	9	18				17						1
Animal Nutrition	78	25	53				50	1			1		1
Animal Sciences, Other	95	28	64		1	2	55				1		5
Agronomy	158	58	93	1	1	1	90						
Plant Breeding and Genetics	88	25	63		5		56			1			
Plant Pathology	89	25	63		2	1	58		1		1		1
Plant Sciences, Other	21	8	12				11						
Food Sciences	136	53	79	1	9	4	64				1		1
Soil Sciences	97	41	54		1	2	49				2		1
Horticulture Science	76	27	46		3		42						
Fisheries Science	36	2	33				33						
Wildlife Management	38	4	33				32						
Forestry Science	105	19	83	2	1	2	76						2
Agriculture, General	5	1	2				1						
Agriculture, Other	61	30	30		1	2	25				1		1

Subfield of Doctorate	Total Doctorates	Non-U.S. Citizens Temp. Visas	U.S. Citizens and Non-U.S. with/ Permanent Visas Racial/Ethnic Group								
			Total	Amer. Ind.	Asian	Black	White	Puerto Rican	Mex-ican	Other His-panic	Other & Unk
PROFESSIONAL FIELDS	1856	313	1419	5	72	81	1206	13	9	9	24
BUSINESS ADMINISTRATION	793	169	579	2	47	12	503	2	1	3	9
Accounting	148	25	121		10	5	101				
Banking and Finance	104	34	69		8	1	59			1	4
Business Admin and Management	179	28	122		6	1	111	1			
Business Economics	20	8	12		1	1	9			2	1
Marketing Management and Research	9	12	81	1	7	2	71				
Business Statistics	9	3	6		2		4				
Operations Research	45	23	21		5		16				
Organizational Behavior	68	6	62	1		1	59				1
Business and Management, General	50	16	23		1	1	19				2
Business and Management, Other	76	14	62		7		54	1			
COMMUNICATIONS	266	48	206	1	4	18	176	1	2	1	3
Communications Research	55	9	46		1	5	39				
Journalism	22	7	15		2	1	12				1
Radio and Television	19	6	13			3	10				
Communications, General	89	12	72	1		6	62				
Communications, Other	81	14	60		1	3	53	1	1	1	2
OTHER PROFESSIONAL FIELDS	797	96	634	2	21	51	527	10	6	5	12
Architecture, Environmental Design	36	15	16		1	2	12	1			
Home Economics	90	6	82		3	3	72	2	1	1	
Law	25	14	7								
Library and Archival Science	72	17	52		2	6	41				1
Public Administration	109	12	86			14	67	2	2		3
Social Work	218	9	175	2	8	22	130	4	2	4	3
Theology	229	19	203		6	4	188		1		4
Professional Fields, General											
Professional Fields, Other	18	4	13		1		11	1			
EDUCATION	6717	570	5872	39	98	503	4963	57	73	59	80
Curriculum and Instruction	823	81	728	5	13	58	596	17	15	9	15
Educational Admin and Supervision	1605	86	1460	9	20	167	1216	6	18	12	12
Educational Media	101	22	76	1	2	3	69	1			
Educational Statistics and Research	74	9	61	1	1	3	50				
Educational Testing, Eval and Meas	44	6	38		3	2	30		1	3	2
Educational Psychology	390	25	357	2	7	14	323	2	2	2	2
School Psychology	102		101		1	6	91	1	1	1	3
Social Foundations	134	15	116		3	13	91	1	2	4	2
Special Education	210	12	256	2	3	17	230	2	1		1
Student Counseling, Personnel Serv	395	21	365	1	2	25	319	3	5	3	7
Higher Education	586	58	511	7	6	42	441	3	5	5	2
Pre-elementary Education	67	3	57			3	53				
Elementary Education	121	6	114		1	12	98	1	1	1	1
Junior High Education	1		1				1				
Secondary Education	69	12	51		1	2	46				
Adult and Continuing Education	208	17	185	1	3	11	163	2	3	1	1
TEACHING FIELDS	1117	131	957	3	18	78	812	11	6	11	18
Agricultural Education	40	9	31		1	4	26				
Art Education	43	7	36			1	32	1			2
Business Education	52	4	47			8	38	1			
English Education	68	7	61		1	5	51	1		2	1
Foreign Languages Education	30	9	21		2	1	14	2		2	
Health Education	89	5	77		1	3	66	1	2	2	2
Home Economics Education	21	3	17				12				
Industrial Arts Education	13		13			5	12				
Mathematics Education	65	13	52	1	3	3	42				
Music Education	80	4	73			1	66				
Nursing Education	21	1	20		2	2	16				
Physical Education	220	28	185	2	1	9	169				4
Reading Education	113	4	106		1	7	93	2	1	1	1
Science Education	88	18	68		3	6	54	1	1	1	2
Social Science Education	24	4	19			5	12				2
Speech Education	7	2	4				4				2
Trade and Industrial Education	82	10	71		1	8	58		1		3
Other Teaching Fields	61	3	56		1	4	47	2		1	1
Education, General	303	33	178	1	6	25	130	2	4	2	8
Education, Other	307	33	260	6	8	22	204	4	7	1	8
OTHER AND UNSPECIFIED	36	2	31	1	1	3	26				

SOURCE: National Research Council, Office of Scientific and Engineering Personnel, Doctorate Records File.

Doctorates: Men

		Earth Atmos & Mar.													Other Bio.		Hlth.		Agrl.		Life Sci.
		1985 Total	Phys. & Astr.	Chem	Earth Atmos & Mar. ScI.	Phys. S Sbtot	Math	Comp. ScI.	Engr.	EMP Sbtot	Bio-Chem	Other Bio. ScI.	Bio. ScI. Sbtot	Hlth. ScI.	Agrl. ScI.						
Total Male		20502	976	1474	506	2956	583	278	2967	6784	395	2142	2537	290	1066	3893					
Male as a Percent of Total Doctorates		%	65.7	90.5	80.3	82.0	83.7	84.6	89.4	93.7	88.1	68.2	67.2	67.4	40.1	84.7	67.7				
U.S. Citizenship		%	69.1	65.0	73.5	70.4	70.1	52.5	59.4	39.1	54.6	81.8	83.1	82.9	59.0	59.4	74.7				
Non-U.S., Permanent Visa			4.9	4.3	4.7	5.3	4.7	5.1	8.6	10.0	7.2	4.1	2.1	2.4	8.3	3.8	3.2				
Non-U.S., Temporary Visa			21.4	26.5	18.0	20.6	21.2	37.2	29.1	45.7	33.7	12.2	11.3	11.5	21.0	33.5	18.2				
Unknown			4.7	4.2	3.8	3.8	3.9	5.1	2.9	5.1	4.5	2.0	3.4	3.2	11.7	3.4	3.9				
Married		%	61.8	49.5	52.9	59.5	52.9	50.3	57.6	60.3	56.1	52.7	58.9	57.9	59.0	69.9	61.3				
Not Married			31.9	45.0	42.7	35.0	42.2	42.7	38.1	32.7	37.9	42.8	36.4	37.4	26.6	25.5	33.3				
Unknown			6.3	5.5	4.3	5.5	4.9	7.0	4.3	7.0	6.0	4.6	4.8	4.7	14.5	4.6	5.4				
Median Age at Doctorate			32.5	29.8	28.9	31.5	29.6	30.5	30.9	31.0	30.3	29.0	30.8	30.5	33.3	32.2	31.1				
Percent with Bacc In Same Field as Doctorate			57.9	78.5	82.6	49.0	75.5	72.4	20.9	75.2	72.9	31.4	64.6	59.4	36.6	61.1	58.2				
Percent with Masters			78.2	64.1	37.4	77.3	53.0	72.9	79.9	86.7	70.6	29.1	55.3	51.2	76.2	92.5	64.4				
Median Time Lapse From Bacc to Doct																					
Total Time Registered Time		Yrs	9.5	7.4	6.4	8.8	7.1	7.8	8.8	8.2	7.6	6.7	7.9	7.7	10.4	9.0	8.1				
			6.6	6.4	5.5	6.6	6.0	6.3	6.3	5.8	5.9	6.0	6.4	6.4	6.5	6.1	6.3				
Postdoctoral Study Plans %			22.5	49.8	46.7	37.5	46.2	18.0	11.5	15.4	28.9	83.3	62.1	65.4	14.8	19.1	49.0				
Fellowship			10.5	15.5	20.2	16.0	17.9	8.7	2.2	4.0	10.4	52.7	34.5	37.3	8.3	6.5	26.7				
Research Assoc			9.7	33.3	25.3	20.6	27.1	7.7	7.2	9.4	16.9	22.5	20.0	20.4	4.8	11.5	16.8				
Traineeship			1.0	3.3	3.3	3.6	4.4	1.7	1.1	1.7	1.0	1.5	2.0	1.9	1.0	1.8	1.5				
Other			1.4	1.7	1.9	1.4	1.7	1.9	1.1	1.4	1.6	6.6	5.6	5.8	7.7	4.4	3.9				
Planned Employment After Doctorate		%	69.3	43.1	46.8	55.1	47.0	73.4	81.3	73.5	62.3	32.4	31.7	28.7	70.0	74.1	44.2				
Educ Institution			38.4	10.9	7.1	24.9	11.4	52.3	43.2	26.0	22.6	3.8	16.0	14.1	33.4	36.7	21.7				
Industry/Business			16.4	24.1	35.6	15.6	28.4	13.0	32.4	35.9	30.5	6.6	8.3	8.0	17.6	18.6	11.1				
Government			7.7	6.3	2.7	11.1	5.3	5.3	2.5	8.2	6.4	1.3	4.7	4.1	10.0	15.3	7.6				
Nonprofit			4.2	1.2	1.4	1.0	1.8	1.0	1.7	1.4	1.1	1.5	1.5	1.4	3.4	1.6	1.6				
Other & Unknown			2.7	7.7	9.2	2.6	1.2	1.7	2.5	2.1	1.7	3.1	1.2	1.0	5.5	3.9	2.2				
Postdoc Status Unknown		%	8.2	7.1	6.4	7.3	6.8	8.6	7.2	11.1	8.0	4.3	6.3	6.0	15.2	6.8	6.9				
Definite Postdoctoral Study Seeking Postdoctoral Study			16.1	37.8	35.5	25.1	34.5	11.1	6.8	8.8	20.1	72.2	48.6	52.3	9.0	10.3	37.6				
Definite Employment			51.4	32.0	11.3	12.5	11.7	6.9	4.7	6.6	8.8	11.1	13.4	13.1	5.9	8.8	11.4				
Seeking Employment			17.6	10.9	8.9	13.6	10.4	17.2	18.0	20.3	15.6	2.0	9.5	8.4	16.9	21.1	12.5				
Employment Activity After Doctorate																					
Primary Activity																					
R & D		%	33.3	73.0	79.2	50.0	71.8	43.0	68.2	64.3	64.8	65.9	51.1	52.2	45.5	56.8	53.5				
Teaching			34.0	15.2	11.8	32.9	16.9	47.0	22.7	22.7	23.2	14.6	24.5	23.7	27.3	17.5	21.3				
Administration			10.7	1.0	1.9	2.9	1.3	1.2	1.7	1.8	1.6	0.6	4.6	4.3	3.2	2.5	3.3				
Prof. Services			12.3	3.8	2.1	4.8	3.1	1.8	1.7	3.9	3.3	7.3	11.0	10.7	13.6	7.6	9.6				
Other			3.1	1.6	1.3	4.3	1.9	1.5	1.1	1.8	1.8	0.0	3.2	2.9	3.9	7.4	5.1				
Activity Unknown			6.7	5.4	4.7	5.2	5.0	5.5	4.5	5.5	5.3	12.2	5.7	6.2	6.5	8.1	7.1				
Secondary Activity																					
R & D			24.2	13.3	9.7	27.6	14.2	39.6	22.2	21.5	20.9	17.1	24.3	23.7	20.1	20.2	21.6				
Teaching			13.3	7.3	4.3	13.3	6.9	24.4	25.0	13.2	12.9	4.9	16.2	15.3	18.2	20.7	18.2				
Administration			9.7	6.0	15.9	6.2	11.2	3.0	6.8	8.6	8.8	17.1	13.1	13.4	14.3	10.1	12.0				
Prof. Services			6.4	4.8	6.4	5.7	5.8	3.7	3.4	4.9	5.0	0.0	7.2	6.6	10.4	1.1	7.3				
Other			1.8	2.2	1.9	1.5	1.2	1.3	1.1	1.0	1.0	0.0	1.1	1.0	1.9	2.8	1.9				
No Secondary Activity			37.9	61.0	58.1	41.4	55.7	23.5	36.9	45.2	46.1	48.8	32.5	33.8	28.6	31.0	31.8				
Unknown			6.7	5.4	4.7	5.2	5.0	5.5	4.5	5.5	5.3	12.2	5.7	6.2	6.5	8.1	7.1				
Region of Employment After Doctorate																					
New England		%	5.6	7.0	6.6	2.4	5.9	9.8	13.6	5.3	6.4	9.8	4.9	5.2	5.2	2.3	3.9				
Middle Atlantic			14.9	18.4	24.5	9.0	19.7	16.2	23.9	14.3	16.9	24.4	12.7	13.6	19.5	6.5	11.1				
East No Central			14.1	8.3	20.8	10.0	15.0	15.2	11.4	13.7	14.2	19.5	13.7	14.2	17.5	9.0	12.2				
West No Central			6.7	4.1	6.6	6.7	5.9	7.0	2.8	4.4	5.1	19.5	9.3	10.1	7.1	10.6	10.0				
South Atlantic			13.6	12.7	15.0	11.0	13.6	11.9	8.5	12.2	12.4	0.0	4.2	13.7	12.8	12.3	13.1	12.9			
East So Central			3.6	1.0	2.1	1.9	1.8	4.6	1.1	2.7	2.5	0.0	4.2	3.9	3.2	4.8	4.2				
West So Central			7.5	6.0	5.0	13.3	6.9	5.2	5.7	6.0	6.2	2.4	6.5	6.2	7.1	6.5	6.5				
Mountain			4.7	8.3	2.5	7.6	5.2	3.0	3.4	6.0	5.3	2.4	3.4	3.3	1.9	4.8	3.8				
Pacific & Insular			10.3	22.2	7.0	18.6	13.7	10.4	15.9	13.2	13.2	9.8	11.4	11.3	7.8	5.1	8.0				
Foreign			12.7	6.7	5.0	18.6	8.1	11.6	11.4	16.4	12.8	7.3	16.7	15.9	13.6	32.2	23.1				
Region Unknown			6.2	5.4	4.8	1.0	4.2	5.2	2.3	6.0	5.1	2.4	3.6	3.5	4.5	5.0	4.3				

1/ Refer to explanatory note on page and the description of doctoral fields inside back cover.

Doctorates: Men

Psych.	Econ.	Anthr. Soc.	Polit Sci & Intrnl Reis.	Other SocSc	SocSc Sbtot	Total Sci.	Hist.	Eng. &Amer Lang. &Lit.	For. Lang.	Other Human	Human Sbtot	Bus. &Mgmt	Prof. Flds.	Educ.	Total Non- Sci.	Other ^{2/} &Unsp. ^{2/}
1556	688	399	361	364	3368	14045	365	331	194	1049	1939	649	612	3237	6437	20
50.6	84.7	49.0	74.4	68.2	58.9	73.3	67.2	45.5	44.6	60.9	56.6	81.8	57.6	48.2	53.6	55.6
88.8	51.7	75.9	65.7	56.3	73.7	64.7	85.2	86.7	75.8	81.4	82.5	61.5	70.9	80.9	78.5	
1.9	7.1	4.8	5.3	8.0	4.3	5.4	2.2	2.1	9.8	3.7	3.8	9.2	3.4	2.5	3.6	
3.5	36.8	14.3	21.9	29.7	16.4	25.2	8.8	6.3	8.8	9.3	8.7	23.4	18.6	12.4	13.0	
5.9	4.4	5.0	7.2	6.0	5.6	4.6	3.8	4.8	5.7	5.5	5.1	5.9	7.0	4.2	4.9	
54.0	58.3	60.4	61.5	67.0	57.9	58.0	60.3	58.6	57.7	59.7	59.4	68.7	67.8	77.3	70.1	
38.6	33.9	33.6	28.3	25.0	34.4	35.8	32.6	35.6	34.5	33.0	33.5	24.2	23.7	17.4	23.5	
7.4	7.8	6.0	10.2	8.0	7.7	6.2	7.1	5.7	7.7	7.3	7.1	7.1	8.5	5.3	6.3	
32.3	31.8	34.0	33.8	35.1	32.9	31.1	34.6	34.0	35.1	34.4	34.4	34.9	36.7	38.2	36.7	
68.4	61.6	54.4	58.4	22.8	59.4	65.5	59.2	73.1	46.4	56.1	58.6	41.0	24.3	34.4	41.4	
80.0	77.0	88.5	88.1	90.4	82.4	71.7	91.0	85.2	86.1	88.4	88.1	89.2	91.8	95.6	92.4	
9.3	8.9	10.9	10.1	11.3	9.7	8.3	11.5	11.1	11.6	11.4	11.4	11.7	13.1	14.6	13.2	
6.9	6.5	8.2	7.3	7.3	7.0	6.3	8.7	7.9	8.6	8.0	8.1	7.0	7.7	7.7	7.8	
19.5	5.5	14.3	6.4	9.6	13.5	30.8	8.5	4.5	8.2	6.7	6.8	1.8	4.1	3.9	4.6	
11.9	2.2	9.5	3.0	5.8	8.0	14.3	5.5	2.7	3.6	3.9	4.0	.3	1.5	1.3	2.0	
3.6	2.3	3.0	1.9	3.3	3.1	13.5	.8	.0	2.1	1.1	1.0	1.1	1.1	1.3	1.2	
2.4	.3	1.0	.8	.3	1.4	1.2	.3	.6	.0	.0	.2	.5	.2	.7	.5	
1.6	.7	.8	.6	.3	1.1	1.6	1.9	1.2	2.6	1.6	1.7	.0	1.3	.5	.9	
72.9	84.6	78.7	79.8	81.0	77.6	60.9	82.5	87.9	83.0	84.8	84.7	89.5	84.6	89.5	87.6	
25.8	55.7	48.1	55.1	47.3	40.0	26.5	57.3	77.3	69.1	65.4	66.3	74.6	45.4	64.3	64.2	
16.2	10.8	9.8	6.4	11.3	12.7	20.9	5.8	5.4	4.6	5.7	5.6	10.2	7.0	6.5	6.6	
11.4	10.2	9.0	13.0	11.0	11.0	7.9	9.0	.9	3.1	1.5	3.0	2.6	10.0	10.6	7.4	
15.5	2.3	4.8	2.5	4.7	9.0	3.1	4.9	1.2	3.1	8.4	6.0	.6	19.3	5.5	6.5	
4.0	5.7	7.0	2.8	6.9	4.9	2.6	5.5	3.0	3.1	3.8	3.9	1.5	2.0	2.6	2.8	
7.6	9.9	7.0	13.9	9.3	8.9	8.3	9.0	7.6	8.8	8.5	8.5	8.6	11.3	6.6	7.8	
14.1	3.3	7.8	3.6	5.2	9.1	22.3	4.9	2.4	5.2	3.2	3.6	1.2	2.5	2.2	2.5	
5.4	2.2	6.5	2.8	4.4	4.5	8.5	3.6	2.1	3.1	3.4	3.2	.6	1.6	1.7	2.0	
52.6	67.6	48.9	52.6	57.7	55.8	44.7	56.2	55.0	58.8	57.7	57.0	79.5	70.4	69.6	66.9	
20.2	17.0	28.8	27.1	23.4	21.8	16.2	26.3	32.9	24.2	27.2	27.7	10.0	14.2	19.9	20.7	
17.3	36.3	34.4	21.6	22.4	24.8	50.6	9.3	3.3	7.0	7.6	7.1	20.0	9.7	5.5	8.1	
16.8	44.5	40.5	51.6	47.1	33.0	25.8	59.0	84.1	78.1	68.4	70.3	64.1	45.7	29.8	45.9	
6.6	2.4	8.7	8.4	10.0	6.3	3.3	12.7	3.8	5.3	4.5	6.0	6.0	13.9	41.4	25.3	
53.7	3.7	5.6	1.6	3.3	3.3	11.3	6.8	1.6	1.8	7.1	5.6	2.1	17.9	12.2	9.9	
1.7	3.9	4.6	8.4	3.3	3.4	2.9	5.9	2.7	1.8	5.1	4.5	1.7	5.8	2.4	3.2	
3.8	9.2	6.2	8.4	10.0	6.5	6.0	6.3	4.4	6.1	7.3	6.5	6.0	7.0	8.7	7.6	
20.6	38.5	29.7	35.3	37.1	29.3	23.6	36.1	36.3	46.5	31.1	34.4	51.6	27.6	14.0	25.1	
14.4	19.4	9.2	13.7	12.4	14.8	14.5	10.2	5.5	7.0	8.6	8.2	18.4	12.5	11.5	11.6	
14.0	4.7	9.2	6.3	6.2	9.6	9.7	7.8	10.4	2.6	8.3	8.0	4.8	11.8	11.3	9.7	
9.6	3.0	6.2	2.6	5.2	6.4	5.9	3.9	2.2	.9	5.1	4.0	1.6	9.5	9.7	7.2	
2.4	4	1.5	.5	1.0	1.5	1.3	1.5	4.4	.9	5.0	3.8	1.4	2.1	2.2	2.5	
35.0	24.7	37.9	33.2	28.1	31.8	39.0	34.1	36.8	36.0	34.7	35.1	16.3	29.5	42.6	36.2	
3.8	9.2	6.2	8.4	10.0	6.5	6.0	6.3	4.4	6.1	7.3	6.5	6.0	7.0	8.7	7.6	
7.1	5.2	5.1	6.3	4.8	6.1	5.8	7.3	7.1	13.2	7.4	8.0	4.8	2.8	4.5	5.2	
20.4	13.5	12.3	18.4	10.5	16.6	15.6	12.7	13.7	12.3	15.2	14.2	13.0	13.0	14.2	13.9	
14.3	14.6	13.3	9.5	15.2	13.9	13.7	10.7	18.1	16.7	13.7	14.2	17.6	14.2	14.2	14.6	
8.7	4.5	4.1	4.2	2.9	6.1	6.3	6.8	6.6	9.6	8.3	7.9	6.0	5.3	7.5	7.2	
13.3	18.7	13.8	16.8	14.3	15.2	13.3	13.2	19.2	16.7	10.6	13.1	14.0	12.8	14.4	13.9	
2.7	2.6	3.1	2.1	3.8	2.8	2.9	7.8	2.7	4.4	4.8	5.0	4.8	6.0	4.3	4.7	
7.4	4.5	2.6	8.9	7.1	6.3	6.3	8.8	9.3	4.4	9.3	8.7	12.6	12.8	8.1	9.2	
3.9	3.0	7.2	2.6	3.8	3.9	4.6	7.3	2.7	3.5	3.5	4.1	3.9	2.8	6.2	5.0	
12.7	6.5	15.4	8.9	9.0	10.6	11.4	10.2	8.2	8.8	9.6	9.4	8.9	8.8	8.2	8.7	
2.8	21.1	15.4	17.4	19.5	12.0	14.6	7.8	5.5	2.6	9.9	8.0	10.3	14.6	10.2	10.1	
6.7	5.8	7.7	4.7	9.0	6.7	5.4	7.3	6.6	7.9	7.8	7.5	4.1	7.0	8.3	7.5	

^{2/} Statistics are not presented for this group because too few records contained the specific data.

Doctorates: Women

	1985	Phys.	Chem	Earth Atmos &Mar- Sci.	Phy.S Sbtot	Math	Comp. Sci.	Engrl.	Sbtot	Bio- Chem	Other Bio. Sci.	Bio. Sbtot	Hith. Sci.	Agri.	Life Sci. Sbtot	
Total Female	10699	102	362	111	575	106	33	198	912	184	1045	1229	434	192	1855	
Female as a Percent of Total Doctorates	%	34.3	9.5	19.7	18.0	16.3	15.4	10.6	6.3	11.9	31.8	32.8	32.6	59.9	15.3	32.3
U.S. Citizenship	%	84.9	60.8	72.1	79.3	71.5	66.0	72.7	60.1	68.4	79.9	83.7	83.2	84.6	69.3	82.0
Non-U.S., Permanent Visa		3.0	5.9	4.7	3.6	4.7	11.3	.0	8.6	6.1	6.5	3.3	3.7	2.3	3.6	3.4
Non-U.S., Temporary Visa		7.8	29.4	18.0	11.7	18.8	20.8	24.2	28.3	21.3	11.4	10.5	10.7	8.3	24.0	11.5
Unknown		4.3	3.9	5.2	5.4	5.0	1.9	3.0	3.0	4.2	2.2	2.5	2.4	4.8	3.1	3.1
Married	%	51.6	52.9	41.4	47.7	44.7	57.5	69.7	48.0	47.8	48.9	47.8	48.0	54.8	53.1	50.1
Not Married		42.7	42.2	52.8	45.9	49.6	39.6	27.3	46.5	46.9	47.3	48.3	48.2	38.5	48.2	45.4
Unknown		5.7	4.9	5.8	6.3	5.7	2.8	3.0	5.6	5.3	3.8	3.8	3.8	6.7	3.6	4.5
Median Age at Doctorate		35.1	30.1	28.5	31.0	29.4	30.2	33.5	29.4	29.5	29.6	30.9	30.7	36.5	31.8	31.7
Percent with Bacc In Same Field as Doctorate		52.1	74.5	77.6	53.2	72.3	78.3	9.1	58.6	67.8	22.8	65.8	59.4	62.7	44.8	58.7
Percent with Masters		83.5	69.6	37.6	67.6	49.0	81.1	93.9	87.4	62.7	31.0	52.4	49.2	88.7	91.7	62.9
Median Time Lapse From Bacc to Doct																
Total Time	Yrs	11.9	7.7	6.3	8.7	7.0	7.7	11.5	7.1	7.1	7.2	8.4	8.2	13.0	8.9	9.1
Registered Time		7.2	6.6	5.4	6.8	5.9	6.2	6.3	5.8	5.9	6.0	6.5	6.4	6.7	6.2	6.4
Postdoctoral Study Plans	%	17.5	48.0	40.3	37.8	41.2	15.1	15.2	19.7	32.6	83.7	66.1	68.8	14.7	27.6	51.9
Fellowship		9.5	18.6	16.6	17.1	17.0	6.6	6.1	8.1	13.5	50.5	40.4	41.9	8.3	7.8	30.5
Research Assoc		5.9	29.4	21.5	18.9	22.4	7.5	9.1	10.6	17.7	25.5	20.9	21.6	5.5	16.7	17.3
Traineeship		1.0	.0	1.7	1.8	1.4	.9	.0	.5	1.1	2.2	1.5	1.6	.2	2.1	1.3
Other		1.2	.0	.6	.0	.3	.0	.0	.5	3.4	3.3	3.7	.7	1.0	2.7	
Planned Employment After Doctorate	%	74.9	44.1	50.0	54.1	49.7	79.2	75.8	70.2	58.6	13.0	28.1	25.9	78.6	65.1	42.3
Educ Institution		47.0	22.5	11.3	21.6	15.3	64.2	48.5	25.3	3.3	6.5	15.1	13.8	54.6	35.4	25.6
Industry/Business		10.1	10.8	34.0	18.0	26.8	8.5	18.2	31.3	25.3	4.9	6.1	5.9	6.9	12.5	6.8
Government		7.2	6.9	2.8	10.8	5.0	2.8	.0	9.1	5.5	.5	4.2	3.7	7.1	9.4	5.1
Nonprofit		5.8	2.9	.8	.0	1.0	.0	3.0	1.0	1.0	.0	1.4	1.2	7.4	1.6	2.7
Other & Unknown		4.9	1.0	1.1	3.6	1.6	3.8	6.1	3.5	2.4	1.1	1.2	1.2	2.5	6.3	2.0
Postdoc Status Unknown	%	7.6	7.8	9.7	8.1	9.0	5.7	9.1	10.1	8.9	3.3	5.7	5.4	6.7	7.3	5.9
Definite Postdoctoral Study		12.1	33.3	29.8	24.3	29.4	13.2	9.1	12.6	23.1	69.0	50.6	53.4	9.9	16.1	39.4
Seeking Postdoctoral Study		5.4	14.7	10.5	13.5	11.8	1.9	6.1	7.1	9.4	14.7	15.5	15.4	4.8	11.5	12.5
Definite Employment		51.6	32.4	36.2	42.3	36.7	58.5	51.5	51.5	43.0	8.2	17.6	16.2	59.7	43.8	29.2
Seeking Employment		23.3	11.8	13.8	11.7	13.0	20.8	24.2	18.7	15.6	4.9	10.5	9.7	18.9	21.4	13.0
Employment Activity After Doctorate																
Primary Activity																
R & D	%	16.4	57.6	71.0	44.7	63.0	33.9	17.6	68.6	57.9	46.7	41.8	42.2	29.7	52.4	37.8
Teaching		42.6	27.3	19.8	31.9	23.7	56.5	64.7	24.5	30.9	46.7	37.0	37.7	45.9	22.6	39.3
Administration		15.9	.0	.0	2.1	.5	.0	5.9	1.0	.8	.0	.0	3.8	5.0	1.2	6.5
Prof. Services		16.8	3.0	4.6	12.8	6.2	4.8	5.9	2.9	5.1	6.7	7.6	7.5	9.7	9.5	8.9
Other		2.9	3.0	3.8	8.5	4.7	.0	1.0	2.8	.0	3.8	3.5	.8	7.1	2.8	
Activity Unknown		5.5	9.1	.8	.0	1.9	4.8	5.9	2.0	2.6	.0	6.0	5.5	3.5	7.1	4.8
Secondary Activity																
R & D		27.8	27.3	15.3	36.2	21.8	43.5	52.9	22.5	26.8	33.3	33.2	33.2	39.4	25.0	34.9
Teaching		12.4	12.1	3.1	8.5	5.7	21.0	5.9	11.8	9.7	.0	9.8	9.0	18.1	17.9	14.8
Administration		8.9	6.1	12.2	4.3	9.5	3.2	11.8	7.8	8.2	.0	4.3	4.0	8.5	9.5	7.0
Prof. Services		8.2	.0	3.1	4.3	2.8	6.5	5.9	6.9	4.6	.0	6.5	6.0	8.9	7.1	7.6
Other		2.7	.0	1.5	2.1	1.4	3.2	.0	1.0	1.5	.0	1.6	1.5	1.9	.0	1.5
No Secondary Activity		34.5	45.5	64.1	44.7	56.9	17.7	17.6	48.0	46.7	66.7	38.6	40.7	19.7	33.3	29.5
Unknown		5.5	9.1	.8	.0	1.9	4.8	5.9	2.0	2.6	.0	6.0	5.5	3.5	7.1	4.8
Region of Employment After Doctorate																
New England	%	6.1	6.1	8.4	10.6	8.5	9.7	23.5	6.9	8.9	.0	4.9	4.5	3.5	4.8	4.1
Middle Atlantic		15.9	15.2	26.0	14.9	21.8	19.4	11.8	17.6	19.9	26.7	11.4	12.6	17.0	6.0	13.7
East No Central		13.6	12.1	15.3	6.4	12.8	19.4	.0	9.8	12.5	20.0	15.2	15.6	13.5	14.3	14.4
West No Central		6.7	6.1	6.1	4.3	5.7	8.1	.0	4.9	5.6	6.7	7.6	7.5	4.6	7.1	6.1
South Atlantic		16.7	15.2	19.1	14.9	17.5	14.5	11.8	22.5	18.1	6.7	22.3	21.1	14.7	15.5	17.2
East So Central		4.4	.0	1.5	2.1	1.4	3.2	11.8	2.9	2.6	.0	3.8	3.5	5.8	6.0	5.0
West So Central		8.2	6.1	5.3	14.9	7.6	3.2	11.8	2.0	5.6	6.7	4.3	4.5	12.4	7.1	8.7
Mountain		4.4	9.1	3.1	4.3	2.4	.0	2.9	2.0	.0	4.3	4.0	6.2	1.2	4.6	
Pacific & Insular		10.2	9.1	11.5	12.8	11.4	8.1	11.8	15.7	12.0	13.3	14.1	14.1	7.7	7.1	10.0
Foreign		5.5	9.1	3.1	8.5	5.2	11.3	5.9	10.8	7.7	20.0	9.2	10.1	9.7	23.8	12.0
Region Unknown		8.4	12.1	3.8	6.4	5.7	3.2	11.8	3.9	5.1	.0	2.7	2.5	5.0	7.1	4.4

1/ Refer to explanatory note on page * and the description of doctoral fields inside back cover.

Doctorates: Women

Psych.	Econ.	Anthr. & Soc.	Polit Sci & Intl Reis.	Other SocSc	SocSc Sbtot	Total ScI.	H1st.	Eng. & Amer Lang. & Lit.	Forn. Lang. & Lit.	Other Human	Human Sbtot	Bus. Mgmt	Prof. Flds.	Educ.	Total Non-ScI.	Other Unsp. 2/
1519	124	415	124	170	2352	5119	178	397	241	673	1489	144	451	3480	5564	16
49.4	15.3	51.0	25.6	31.8	41.1	26.7	32.8	54.5	55.4	39.1	43.4	18.2	42.4	51.8	46.4	44.4
91.6	66.1	87.2	73.4	76.5	87.4	82.1	82.0	90.7	77.2	82.8	83.9	79.9	83.4	89.8	87.5	
1.9	8.9	2.9	4.0	4.1	2.7	3.6	5.6	2.8	11.2	4.3	5.2	3.5	2.0	1.4	2.5	
1.8	21.0	6.3	10.5	12.9	4.9	10.2	5.1	3.8	6.6	8.3	6.4	11.8	6.7	4.8	5.6	
4.7	4.0	3.6	12.1	6.5	5.0	4.1	7.3	2.8	5.0	4.6	4.5	4.9	8.0	4.0	4.5	
46.9	50.0	48.9	42.7	47.6	47.2	48.4	52.2	53.9	54.8	48.9	51.6	48.6	47.5	57.2	54.7	
47.0	43.5	46.3	41.9	43.5	46.2	46.0	40.4	42.1	38.2	44.7	42.4	45.1	43.9	37.5	39.5	
6.1	6.5	4.8	15.3	8.8	6.6	5.6	7.3	4.0	7.1	6.4	6.0	6.3	8.6	5.3	5.8	
32.7	30.9	36.1	34.6	35.0	33.3	31.9	35.5	35.8	35.3	34.8	35.2	35.2	38.1	39.3	38.0	
62.3	66.1	53.3	54.0	19.4	57.4	59.7	62.9	70.0	63.1	49.9	59.0	29.2	20.9	42.7	45.2	
83.0	69.4	88.9	81.5	88.2	83.6	72.4	89.9	88.4	85.9	88.1	88.0	91.7	94.5	96.3	93.8	
9.4	8.4	12.3	12.1	11.9	10.2	9.1	12.1	12.6	12.2	12.2	12.3	12.5	14.8	15.7	14.6	
7.0	6.6	8.8	8.4	7.5	7.3	6.7	9.0	8.8	8.9	8.2	8.6	6.9	7.2	7.5	7.8	
18.3	7.3	12.5	8.9	7.6	15.4	31.7	10.1	2.3	5.8	7.3	6.0	2.1	2.7	4.1	4.5	
10.7	4.8	8.2	3.2	4.7	9.1	17.6	7.3	1.5	2.9	4.3	3.7	1.7	1.1	1.4	2.0	
3.2	.8	3.4	5.6	2.9	3.2	10.9	1.7	.5	1.9	1.3	1.4	.7	1.3	1.2		
3.5	.0	.2	.0	.0	2.3	1.7	.0	.0	.0	.0	.0	.0	.0	.5	.3	
1.0	1.6	.7	.0	.0	.9	1.4	1.1	.3	2.1	1.0	1.0	.0	.9	.9	.9	
74.5	85.5	79.8	75.0	82.9	76.6	60.9	77.5	90.9	83.0	84.4	85.1	88.9	86.5	89.0	87.7	
26.5	44.4	50.4	50.8	44.1	34.2	29.3	59.0	74.3	67.2	62.6	66.0	72.9	61.2	61.9	63.2	
14.0	11.3	7.7	8.1	8.2	12.0	12.5	2.8	7.3	5.8	8.0	6.9	14.6	10.0	7.7	7.8	
10.9	21.0	6.5	7.3	11.2	10.5	7.6	1.1	1.5	2.1	2.1	1.8	.7	5.1	9.4	6.8	
16.8	3.2	8.0	1.6	7.6	13.1	7.1	7.9	1.8	.4	6.5	4.4	.7	5.1	4.7	4.6	
6.4	5.6	7.2	7.3	11.8	6.9	4.4	6.7	6.0	7.5	5.2	6.0	.0	4.0	5.3	5.3	
7.2	7.3	7.7	16.1	9.4	8.0	7.4	12.4	6.8	11.2	8.3	8.9	9.0	10.9	6.9	7.8	
11.9	4.0	5.8	6.5	4.1	9.6	22.8	6.2	1.0	2.5	3.9	3.2	1.4	1.3	2.0	2.2	
6.4	3.2	6.7	2.4	3.5	5.9	8.9	3.9	1.3	3.3	3.4	2.9	.7	1.3	2.1	2.2	
51.5	66.1	46.3	48.4	44.1	50.7	41.5	50.0	57.7	55.6	50.2	53.1	74.3	60.8	63.6	60.9	
22.9	19.4	33.5	26.6	38.8	25.9	19.4	27.5	33.2	27.4	34.2	32.0	14.6	25.7	25.3	26.9	
14.6	51.2	28.1	10.0	29.3	20.0	31.5	10.1	4.8	3.0	8.9	6.8	25.2	11.7	5.6	7.0	
17.0	40.2	50.0	53.3	40.0	27.2	31.0	64.0	78.2	80.6	72.2	74.4	58.9	52.9	40.3	49.9	
5.7	.0	10.4	13.3	9.3	6.7	5.6	13.5	6.1	.7	4.1	5.2	2.8	14.2	30.5	22.4	
56.3	2.4	6.8	8.3	8.0	39.2	25.2	3.4	3.1	2.2	5.9	4.2	5.6	12.4	14.3	11.5	
2.6	2.4	2.1	5.0	10.7	3.1	3.0	3.4	2.6	3.7	5.0	3.9	3.7	2.2	2.4	2.8	
3.8	3.7	2.6	10.0	2.7	3.9	3.9	5.6	5.2	9.7	3.8	5.4	3.7	6.6	7.0	6.5	
20.8	36.6	40.1	41.7	34.7	26.9	28.9	42.7	41.5	38.8	39.9	40.5	50.5	33.6	20.2	27.0	
16.0	14.6	13.5	6.7	17.3	15.1	14.0	9.0	7.4	3.7	8.6	7.5	25.2	13.5	11.8	11.4	
10.5	6.1	13.0	6.7	2.7	9.9	6.8	6.7	6.1	6.0	7.4	6.7	2.8	7.3	10.3	9.0	
10.1	8.5	5.7	.0	8.0	8.6	7.6	1.1	2.2	.7	5.9	3.4	3.7	9.5	10.4	8.5	
4.3	2.4	3.1	1.7	.0	3.6	2.7	2.2	2.2	.7	7.1	4.1	1.9	4.1	2.4	2.8	
34.5	28.0	21.9	33.3	34.7	32.0	34.1	32.6	35.4	40.3	27.2	32.4	13.1	27.0	37.8	34.9	
3.8	3.7	2.6	10.0	2.7	3.9	3.9	5.6	5.2	9.7	3.8	5.4	3.7	6.6	7.0	6.5	
6.4	8.5	7.8	5.0	10.7	7.0	6.6	13.5	3.9	11.2	10.4	9.0	6.5	5.8	4.7	5.8	
21.1	23.2	19.8	21.7	16.0	20.7	18.8	19.1	12.7	17.9	15.7	15.6	7.5	17.9	13.5	14.1	
13.9	12.2	16.1	13.3	12.0	14.0	13.8	12.4	14.0	11.2	13.0	12.9	16.8	14.2	13.3	13.4	
5.5	4.9	4.2	3.3	4.0	5.0	5.4	2.2	8.7	11.2	7.7	8.0	4.7	6.6	7.5	7.4	
12.9	26.8	14.1	20.0	18.7	14.8	16.9	16.2	14.2	10.9	13.7	15.9	18.6	18.1	17.1		
4.3	2.4	2.1	3.3	1.3	3.6	3.8	2.2	6.6	4.5	2.4	3.9	6.5	3.3	5.3	4.9	
8.2	1.2	6.3	3.3	4.0	6.9	7.1	3.4	9.6	4.5	6.8	6.8	15.9	6.6	9.5	8.9	
4.2	4.9	6.3	5.0	2.7	4.5	4.1	3.4	4.8	.0	4.7	3.8	3.7	4.0	4.9	4.5	
12.3	4.9	10.9	3.3	10.7	11.0	10.9	16.9	11.8	10.4	9.2	11.0	14.0	11.3	8.8	9.7	
1.8	8.5	7.8	8.3	12.0	4.2	6.8	5.6	4.4	2.2	8.9	6.1	4.7	6.2	4.1	4.8	
9.5	2.4	4.7	13.3	8.0	8.3	6.7	4.5	7.4	12.7	10.4	9.2	3.7	5.5	10.2	9.4	

2/ Statistics are not presented for this group because too few records contained the specific data.

SOURCE: National Research Council, Office of Scientific and Engineering Personnel, Doctorate Records File.

TABLE 2 Statistical Profile of Doctorate Recipients by Field of Doctorate, 1985/1

Total All Doctorates

		Earth Atmos & Mar. Phys. Sct. Sbtot														Life Sct. Sbtot
		1985 Total	Phys. Astr	Chem	Sci.	Phy. S Sbtot	Math	Comp. Sci.	Engl.	EMP Sbtot	Bio-Chem	Other Bio. Sct.	Bio. Sct. Sbtot	Hlth. Sci.	Agri. Sct.	
Number in Field		31201	1078	1836	617	3531	689	311	3165	7696	579	3187	3766	724	1258	5748
Male	%	65.7	90.5	80.3	82.0	83.7	84.6	89.4	93.7	88.1	68.2	67.2	67.4	40.1	84.7	67.7
Female		34.3	9.5	19.7	18.0	16.3	15.4	10.6	6.3	11.9	31.8	32.8	32.6	59.9	15.3	32.3
U.S. Citizenship	%	74.5	64.6	73.2	72.0	70.3	54.6	60.8	40.4	56.2	81.2	83.3	83.0	74.3	60.9	77.1
Non-U.S., Permanent Visa		4.2	4.5	4.7	5.0	4.7	6.1	7.7	10.0	7.1	4.8	2.5	2.9	4.7	3.7	3.3
Non-U.S., Temporary Visa		16.7	26.8	18.0	19.0	20.8	34.7	28.6	44.6	32.2	11.9	11.1	11.2	13.4	32.0	16.0
Unknown		4.6	4.2	4.1	4.1	4.1	4.6	2.9	5.0	4.5	2.1	3.1	2.9	7.6	6.3	3.6
Married	%	58.3	49.8	50.7	57.4	51.6	51.4	58.8	59.6	55.1	51.5	55.3	54.7	56.5	67.3	57.7
Not Married		35.6	44.7	44.7	37.0	43.4	42.2	37.0	33.5	39.0	44.2	40.3	40.9	33.7	28.2	37.2
Unknown		6.1	5.5	4.6	5.7	5.1	6.4	4.2	6.9	5.9	4.3	4.5	4.0	9.8	4.5	5.1
Median Age at Doctorate		33.3	29.8	28.9	31.3	29.5	30.4	31.0	30.9	30.2	29.1	30.9	30.5	35.2	32.2	31.3
Percent with Bacc In Same Field as Doctorate		55.9	78.1	81.6	49.8	75.0	73.3	19.6	74.2	72.3	28.7	65.0	59.4	52.2	58.6	58.3
Percent with Masters		80.0	64.7	37.4	75.5	52.4	74.2	81.4	86.7	69.6	29.7	54.3	50.6	83.7	92.4	63.9
Median Time Lapse From Bacc to Doct																
Total Time Registered Time	Yrs	10.2	7.4	6.4	8.8	7.1	7.8	9.0	8.1	7.5	6.8	8.1	7.9	11.8	8.9	8.7
		6.8	6.5	5.5	6.7	6.0	6.3	6.3	5.8	5.9	6.0	6.5	6.4	6.6	6.1	6.3
Postdoctoral Study Plans	%	20.8	49.6	45.5	37.6	45.4	17.6	11.9	15.7	29.3	83.4	63.4	66.5	14.8	20.4	49.9
Fellowship		10.1	15.8	19.5	16.2	17.8	8.4	2.6	4.2	10.8	52.0	36.4	38.8	8.3	6.7	27.9
Research Assoc		8.4	32.9	24.6	20.3	26.4	7.7	7.4	9.4	17.0	23.5	20.3	20.8	5.2	12.3	17.0
Traineeship		1.0	.3	.6	.8	.5	.7	1.0	1.6	1.0	1.7	1.8	1.6	1.0	1.6	1.9
Other Study		1.3	.6	.8	.3	.7	.7	1.0	.4	.6	6.2	4.9	5.1	.7	.5	3.5
Planned Employment After Doctorate	%	71.2	43.2	47.4	54.9	47.5	74.3	80.7	73.3	61.8	12.6	30.5	27.7	75.1	72.7	43.6
Educ Institution		41.3	12.0	8.0	24.3	12.0	54.1	43.7	26.0	22.8	4.7	15.7	14.0	46.1	36.5	23.0
Industry/Business		14.2	22.8	35.3	16.0	28.1	12.3	30.9	35.6	29.9	6.0	7.6	7.4	11.2	16.0	9.7
Government		7.5	6.3	2.7	11.0	5.3	4.9	2.3	8.2	6.3	1.0	4.5	4.0	8.3	14.4	6.8
Nonprofit		4.7	1.4	.5	.8	.8	.9	1.0	1.4	1.1	.3	1.5	1.3	5.8	1.6	1.9
Other & Unknown		3.4	.7	1.0	2.8	1.2	2.0	2.9	2.2	1.8	.5	1.2	1.1	3.7	4.3	2.1
Postdoc Status Unknown	%	8.0	7.1	7.1	7.5	7.2	8.1	7.4	11.0	8.8	4.0	6.1	5.8	10.1	6.8	6.5
Definite Postdoctoral Study		14.7	37.4	34.4	25.0	33.6	11.5	7.1	9.1	20.5	71.2	49.3	52.7	9.5	11.2	38.2
Seeking Postdoctoral Study		6.1	12.2	11.1	12.6	11.7	6.1	4.8	6.6	8.8	12.3	14.1	13.8	5.2	9.2	11.7
Definite Employment		51.7	32.3	37.6	41.7	36.7	56.6	62.1	53.1	46.2	9.7	20.6	19.0	57.0	51.6	30.9
Seeking Employment		19.6	10.9	9.9	13.3	10.8	17.7	18.6	20.2	15.6	2.9	9.9	8.8	18.1	21.1	12.7
Employment Activity After Doctorate																
Primary Activity																
R & D	%	27.5	71.6	77.7	49.0	70.3	41.5	63.7	64.5	64.1	60.7	48.5	49.4	35.6	56.2	48.7
Teaching		36.9	16.4	13.3	32.7	18.0	48.5	26.4	22.8	24.1	23.2	28.0	27.6	39.0	18.2	26.8
Administration		13.5	.9	.7	2.7	1.2	1.0	2.1	1.8	1.5	.0	4.4	4.1	7.7	2.3	4.3
Prof. Services		12.8	3.7	2.6	6.2	3.6	2.3	2.1	3.8	3.5	7.1	10.0	9.8	11.7	7.9	9.4
Other		3.0	1.7	1.7	5.1	2.4	1.3	1.0	1.8	1.9	.0	3.3	3.1	1.9	7.4	4.4
Activity Unknown		6.3	5.7	3.9	4.3	4.5	5.4	4.7	5.3	5.6	8.9	5.8	6.0	4.6	8.0	6.4
Secondary Activity																
R & D	%	25.4	14.7	10.7	29.2	15.4	40.3	24.9	21.6	21.6	21.4	26.7	26.3	32.2	20.8	25.7
Teaching		13.0	7.8	4.1	12.5	6.7	23.8	23.3	13.1	12.5	3.1	14.4	13.6	18.2	20.3	17.1
Administration		9.4	6.0	15.2	5.8	10.9	3.1	7.3	8.5	8.7	12.5	10.6	10.8	10.7	10.0	10.5
Prof. Services		7.0	4.3	5.8	5.4	5.3	4.1	3.6	5.1	5.0	.0	7.0	6.4	9.4	7.9	7.4
Other		2.1	2.0	1.0	.8	1.2	.8	1.0	1.0	1.1	.0	1.2	1.1	1.9	2.5	1.8
No Secondary Activity		36.7	59.5	59.3	42.0	42.0	55.9	22.6	35.2	45.4	46.2	53.6	34.2	35.7	23.0	31.3
Unknown		6.3	5.7	3.9	4.3	4.5	5.4	4.7	5.3	5.0	8.9	5.8	6.0	4.6	8.0	6.4
Region of Employment After Doctorate																
New England	%	5.8	6.9	7.0	3.9	6.3	9.7	14.5	5.4	6.7	7.1	4.9	5.0	4.1	2.6	3.9
Middle Atlantic		15.3	18.1	24.8	10.1	20.1	16.7	22.8	14.5	17.2	25.0	12.3	13.3	17.9	6.5	11.9
East No Central		13.9	8.6	19.7	9.3	14.7	15.9	10.4	13.5	14.0	19.6	14.1	14.6	15.0	9.7	12.9
West No Central		6.7	4.3	6.5	6.2	5.9	7.2	2.6	4.4	5.1	16.1	8.8	9.4	5.6	10.2	8.8
South Atlantic		14.6	12.9	15.8	11.7	14.2	12.3	8.8	12.8	13.0	3.6	16.1	15.1	13.8	13.4	14.2
East So Central		3.9	.9	2.0	1.9	1.7	4.4	2.1	2.7	2.5	.0	4.1	3.8	4.8	4.9	4.4
West So Central		4.6	8.3	2.0	7.0	4.7	2.6	3.1	5.8	4.9	1.8	3.6	3.5	10.4	6.6	7.2
Mountain		7.7	6.0	5.1	13.6	7.0	4.9	6.2	5.8	6.2	3.6	5.9	5.7	10.4	6.6	7.2
Pacific & Insular		10.3	21.0	7.8	17.5	13.3	10.0	15.5	13.3	13.1	10.7	12.2	12.0	7.7	5.4	8.6
Foreign		10.3	6.9	4.6	16.7	7.6	11.5	10.9	16.1	12.2	10.7	14.6	14.3	11.1	31.1	19.7
Region Unknown		7.0	6.0	4.6	1.9	4.5	4.9	3.1	5.8	5.1	1.8	3.3	3.2	4.8	5.2	4.3

1/ Refer to explanatory note on page and the description of doctoral fields inside back cover.

Total All Doctorates

Psych.	Econ.	Anthr. & Soc.	Polit Sci & Intnl Relis.	Other SocSc	SocSc Sbtot	Total Sci.	Hist.	Eng. & Lang. & Lit.	For. Lang. & Lit.	Other Human	Human Sbtot	Bus. Mgmt	Prof. Flds.	Educ.	Total Non- Sci.	Other ^{2/} & Unsp.
3075	812	814	485	534	5720	19164	543	728	435	1722	3428	793	1063	6717	12001	36
50.6	84.7	49.0	74.4	68.2	58.9	73.3	67.2	45.5	44.6	60.9	56.6	81.8	57.6	48.2	53.6	55.6
49.4	15.3	51.0	25.6	31.8	41.1	26.7	32.8	54.5	55.4	39.1	43.4	18.2	42.4	51.8	46.4	44.4
90.1	53.9	81.7	67.6	62.7	79.3	69.4	84.2	88.9	76.6	83.1	83.1	64.8	76.2	85.5	82.6	
1.9	7.4	3.8	4.9	6.7	3.7	4.9	3.3	2.5	10.6	3.9	4.4	8.2	2.8	1.9	3.1	
2.7	34.4	10.2	19.0	24.3	11.6	21.2	7.6	4.9	7.6	8.9	7.7	21.3	13.5	8.5	9.6	
5.3	4.3	4.3	8.5	6.2	5.4	4.5	5.0	3.7	5.3	5.2	4.8	5.7	7.4	4.1	4.7	
50.5	57.0	54.5	56.7	60.9	53.5	55.4	57.6	56.0	56.1	55.5	56.0	65.1	59.2	66.9	63.0	
42.7	35.3	40.0	31.8	30.9	39.3	38.5	35.2	39.1	36.6	37.6	37.4	28.0	32.3	27.8	30.9	
6.8	7.6	5.4	11.5	8.2	7.2	6.1	7.2	4.8	7.4	7.0	6.6	6.9	8.6	5.3	6.1	
32.5	31.6	35.0	34.0	35.1	33.0	31.3	34.9	34.7	35.2	34.6	34.7	35.0	37.3	38.7	37.2	
65.4	62.3	53.8	57.3	21.7	58.5	64.0	60.4	71.4	55.6	53.7	58.8	38.8	24.2	38.7	43.2	
81.5	75.9	88.7	86.4	89.7	82.9	71.9	90.6	87.0	86.0	88.3	88.1	89.7	92.9	96.0	93.0	
9.4	8.8	11.4	10.4	11.5	9.9	8.5	11.6	11.9	11.9	11.7	11.7	11.8	13.8	15.1	13.8	
6.9	6.5	8.5	7.6	7.4	7.1	6.4	8.8	8.3	8.7	8.1	8.3	7.0	7.5	7.6	7.8	
18.9	5.8	13.4	7.0	9.0	14.3	31.0	9.0	3.3	6.9	6.9	6.5	1.9	3.5	4.0	4.5	
11.3	2.6	8.8	3.1	5.4	8.5	15.2	6.1	2.1	3.2	4.1	3.9	4.4	1.3	1.4	2.0	
3.4	2.1	3.2	2.9	3.2	3.1	12.8	1.1	3	1.4	1.5	1.1	1.1	1.1	1.3	1.2	
2.9	2	6	7.6	2.2	1.8	1.4	2	3	0	0	1	4	1	6	4	
1.3	9	7	4	2	1.0	1.6	1.7	7	2.3	1.4	1.4	0	1.1	7	9	
73.7	84.7	79.2	78.6	81.6	77.2	60.9	80.8	89.6	83.0	84.7	84.9	89.4	85.4	89.3	87.7	
26.1	53.9	49.3	54.0	46.3	37.6	27.3	57.8	75.7	68.0	64.3	66.2	74.3	52.7	63.1	63.8	
15.1	10.8	8.7	6.8	10.3	12.4	18.6	4.8	6.5	5.3	6.6	6.1	11.0	8.3	7.1	7.2	
11.1	11.8	7.7	11.5	11.6	10.8	7.8	6.4	1.2	2.5	1.7	2.5	2.3	7.9	10.0	7.1	
16.1	2.5	6.4	2.3	5.6	10.6	4.2	5.9	1.5	1.6	7.7	5.3	6	13.5	5.1	5.6	
5.2	5.7	7.1	3.9	8.4	5.7	3.1	5.9	4.7	5.5	4.4	4.8	1.3	3.0	4.0	4.0	
7.4	9.5	7.4	14.4	9.4	8.5	8.1	10.1	7.1	10.1	8.4	8.6	8.7	11.1	6.8	7.8	
13.0	3.4	6.8	4.3	4.9	9.3	22.4	5.3	1.6	3.7	3.5	3.4	1.3	2.0	2.1	2.4	
5.9	2.3	6.6	2.7	4.1	5.1	8.6	3.7	1.6	3.2	3.4	3.1	6	1.5	1.9	2.1	
52.1	67.4	47.5	51.5	53.4	53.7	43.9	54.1	56.5	57.0	54.8	55.3	78.6	66.3	66.5	64.1	
21.6	17.4	31.7	27.0	28.3	23.5	17.1	26.7	33.1	26.0	29.9	29.6	10.8	19.1	22.7	23.6	
16.0	38.6	31.3	18.8	24.2	22.9	45.8	9.5	4.1	4.8	8.1	7.0	20.9	10.5	5.5	7.6	
16.9	43.9	45.2	52.0	45.3	30.8	27.1	60.5	80.8	79.4	69.8	72.0	63.2	48.5	35.0	47.7	
6.2	2.0	9.6	9.6	9.8	8.5	3.9	12.9	5.1	2.8	4.3	5.6	5.5	14.0	36.0	24.0	
55.0	3.5	6.2	3.2	7.4	31.0	14.8	5.8	2.4	2.0	6.7	5.0	2.7	15.7	13.2	10.6	
2.1	3.7	3.4	7.6	5.3	3.3	2.9	5.1	2.7	2.8	5.1	4.3	2.1	4.4	2.4	3.0	
3.8	8.4	4.4	8.8	8.1	5.5	5.5	6.1	4.9	8.1	6.0	6.1	5.6	6.8	7.8	7.1	
20.7	38.2	34.9	36.8	36.5	28.4	24.9	38.1	39.2	42.3	34.3	37.0	51.4	29.9	17.1	25.9	
15.2	18.6	11.4	12.0	13.7	14.9	14.4	9.9	6.6	5.2	8.6	7.9	19.6	12.9	11.7	11.5	
12.3	4.9	11.1	6.4	5.3	9.7	9.4	7.5	8.0	4.4	8.0	7.4	4.5	10.1	10.8	9.4	
9.9	3.8	5.9	2.0	6.0	7.3	6.3	3.1	2.2	2.8	5.4	3.7	1.9	9.5	10.1	7.8	
3.4	7	2.3	3.8	7	2.3	1.7	3.2	8	5.7	3.9	1.3	2.3	2.3	2.6		
34.8	25.2	30.0	33.2	29.8	31.9	37.8	33.7	36.0	38.3	32.0	34.0	15.7	28.5	40.2	35.6	
3.8	8.4	4.4	8.8	8.1	5.5	5.5	6.1	4.9	8.1	6.0	6.1	5.6	6.8	7.8	7.1	
6.7	5.7	6.5	6.0	6.3	6.4	6.0	9.2	5.4	12.1	8.5	8.4	5.1	4.0	4.6	5.5	
20.7	15.0	16.0	19.2	11.9	18.2	16.4	14.6	13.1	15.3	15.4	14.8	12.0	14.9	13.8	14.0	
14.1	14.3	14.7	10.4	14.4	13.9	13.7	11.2	15.8	13.7	13.5	13.7	17.5	14.2	13.7	14.1	
7.1	4.6	4.1	4.0	3.2	5.7	6.1	5.4	7.8	10.5	8.1	7.9	5.8	5.8	7.5	7.3	
13.1	19.9	14.0	17.6	15.4	15.0	14.0	14.3	17.5	15.3	10.7	13.3	14.3	15.0	16.3	15.3	
3.5	2.6	2.6	2.4	3.2	3.1	3.1	6.1	4.9	4.4	3.9	4.5	5.1	5.0	4.8	4.8	
7.8	4.0	4.4	7.6	6.3	6.5	6.5	7.1	9.5	4.4	8.4	7.9	13.2	10.4	8.8	9.1	
4.1	3.3	6.7	3.2	3.5	4.1	4.4	6.1	3.9	1.6	3.9	4.0	3.9	3.3	5.6	4.8	
12.5	6.2	13.2	7.6	9.5	10.8	11.3	12.2	10.2	9.7	9.4	10.1	9.8	9.8	8.5	9.1	
2.3	19.2	11.6	15.2	17.5	9.0	12.6	7.1	4.9	2.4	9.5	7.2	9.3	11.3	7.2	7.7	
8.1	5.3	6.2	6.8	8.8	7.3	5.7	6.5	7.1	10.5	8.7	8.2	4.0	6.4	9.3	8.3	

^{2/} Statistics are not presented for this group because too few records contained the specific data.

SOURCE: National Research Council, Office of Scientific and Engineering Personnel, Doctorate Records File.

TABLE 3 Sources of Support in Graduate School of Doctorate Recipients by Sex and Summary Field, 1985

Sources of Support in Graduate School		Total		Physical Sciences ^{1/}		Engineering		Field of Doctorate Social Sciences		Humanities		Prof. Fields		Education		
		Men/Women		Men/Women		Men/Women		Men/Women		Men/Women		Men/Women		Men/Women		
		N	VX/	N	VX/	N	VX/	N	VX/	N	VX/	N	VX/	N	VX/	
NSF Fellowship	N	393/ 161		147/ 32		69/ 4		90/ 62		71/ 49		7/ 5		2/ 1		7/ 8
	VX/	41/ 10.3		4.1/ 4.8		2.5/ 2.5		23.9/ 38.5		18.1/ 30.4		4.4/ 4.4		.5/ .6		1.8/ 5.0
NIH Traineeship	N	913/ 651		50/ 15		20/ 6		645/ 407		185/ 185		3/ 1		9/ 15		9/ 21
	VX/	418/ 5.5		1.4/ 2.2		3.2/ 3.2		17.6/ 23.9		5.2/ 5.4		1/ 1		1.9/ 2.3		1.9/ 3.2
Other Department of Health & Human Servs. ^{2/}	N	193/ 296		9/ 1		1/ 0		50/ 75		114/ 165		2/ 3		3/ 9		7/ 17
	VX/	1.0/ 2.9		.2/ .1		.0/ .0		1.4/ 4.2		3.7/ 1.5		1/ 1		1.0/ 6.1		3.2/ 5.5
Graduate & Prof. Opportunities Program	N	95/ 96		15/ 14		11/ 4		23/ 27		21/ 20		9/ 12		5/ 5		11/ 14
	VX/	5/ 1.0		4/ 2.1		4/ 2.2		39.6/ 11.5		57.7/ 8.4		10.9/ 9.9		4.7/ 4.7		3.6/ 4.3
Other Department of Education ^{3/}	N	185/ 137		8/ 16		1/ 4		9/ 3		42/ 41		7/ 46		5/ 2		4/ 4
	VX/	1.0/ 1.4		4.2/ .1		2.2/ .0		4.9/ 2.2		1.4/ 1.9		4.3/ 3.3		2.7/ 1.5		1.3/ 1.3
GI Bill	N	924/ 66		70/ 1		43/ 0		112/ 13		172/ 21		128/ 4		125/ 4		271/ 23
	VX/	824/ 4.8		7.8/ 1.5		4.9/ .0		12.1/ 19.7		18.2/ 31.8		13.7/ 6.1		13.7/ 6.1		29.3/ 34.8
Other Federal Support	N	728/ 366		118/ 19		128/ 7		171/ 85		135/ 99		72/ 64		37/ 15		56/ 75
	VX/	3.8/ 3.6		3.3/ 2.8		4.7/ 3.8		4.7/ 4.8		4.0/ 4.9		4.0/ 4.4		3.0/ 2.8		2.7/ 2.5
Nat'l Fellowship (non-Federal)	N	698/ 507		96/ 39		65/ 16		115/ 63		145/ 144		130/ 142		38/ 29		49/ 74
	VX/	3.3/ 5.0		2.7/ 5.8		2.4/ 8.6		3.1/ 3.6		4.7/ 6.5		7.2/ 10.1		6.3/ 5.4		1.6/ 2.2
Teaching Assistantship	N	9330/ 4463		2551/ 488		1125/ 79		1452/ 724		1713/ 1147		1220/ 986		553/ 230		702/ 802
	VX/	46.7/ 11.3		14.7/ 8.5		12.1/ 1.8		15.6/ 16.2		18.4/ 25.7		13.1/ 22.1		4.9/ 5.2		2.9/ 18.0
Research Assistantship	N	9014/ 3193		2672/ 463		1955/ 135		2093/ 899		1230/ 807		258/ 231		292/ 143		468/ 506
	VX/	47.1/ 31.6		14.0/ 69.0		73.2/ 73.0		51.0/ 50.7		61.6/ 36.7		14.3/ 16.4		24.2/ 26.6		15.3/ 15.3
University Fellowship	N	2956/ 2154		803/ 183		470/ 53		709/ 382		796/ 522		659/ 560		235/ 114		281/ 339
	VX/	20.7/ 21.3		26.2/ 21.3		17.6/ 28.6		19.3/ 21.5		25.7/ 23.1		36.6/ 39.9		20.3/ 21.2		9.2/ 10.3
College Work-Study	N	770/ 441		80/ 13		35/ 1		144/ 58		227/ 144		146/ 118		32/ 20		104/ 85
	VX/	4.0/ 4.4		3.4/ 1.9		1.3/ .2		1.9/ 1.2		2.9/ 3.2		1.9/ 2.8		4.2/ 4.5		13.5/ 19.3
Other University Related	N	1087/ 911		103/ 37		90/ 6		221/ 134		218/ 206		155/ 122		73/ 52		226/ 352
	VX/	5.7/ 9.0		2.9/ 5.5		3.3/ 3.2		6.0/ 7.6		7.0/ 9.4		8.6/ 8.7		6.3/ 9.7		7.4/ 10.1
Business/Employer Funds	N	1031/ 488		124/ 25		195/ 15		119/ 68		118/ 65		67/ 35		105/ 37		302/ 242
	VX/	5.4/ 4.8		3.4/ 3.1		4.7/ 3.1		3.7/ 3.8		3.8/ 3.0		3.1/ 2.5		5.1/ 6.9		8.9/ 7.3
Own Earnings	N	10925/ 8840		1295/ 236		1016/ 65		1716/ 853		2159/ 1531		1330/ 983		608/ 390		2588/ 2774
	VX/	57.1/ 61.8		35.9/ 35.2		31.3/ 35.1		46.7/ 48.1		69.6/ 69.6		73.8/ 70.0		84.1/ 84.0		84.1/ 84.0
Spouse's Earnings	N	5578/ 3592		791/ 158		468/ 38		1200/ 558		991/ 742		667/ 554		371/ 192		1083/ 1347
	VX/	29.1/ 35.6		21.9/ 23.5		17.2/ 20.5		32.7/ 31.7		31.9/ 33.7		31.0/ 39.4		32.1/ 35.7		35.5/ 40.8
Family Support	N	4734/ 2336		818/ 143		709/ 35		955/ 431		923/ 663		579/ 388		245/ 134		500/ 540
	VX/	24.7/ 33.2		29.7/ 21.3		26.0/ 18.9		26.0/ 24.3		29.7/ 30.1		32.1/ 27.6		21.2/ 24.9		16.4/ 16.4
Guaranteed Student Loans	N	4171/ 2642		545/ 100		261/ 23		856/ 426		1118/ 830		456/ 350		251/ 159		679/ 745
	VX/	21.8/ 14.3		13.1/ 14.9		9.8/ 12.4		23.3/ 24.0		36.0/ 37.7		25.3/ 24.9		21.7/ 29.6		22.2/ 22.6
National Direct Student Loans	N	1289/ 790		114/ 15		61/ 5		214/ 94		418/ 288		235/ 175		71/ 35		176/ 178
	VX/	6.7/ 7.8		3.2/ 2.2		2.7/ 2.7		5.8/ 5.3		13.5/ 13.1		13.0/ 12.5		6.1/ 6.5		5.8/ 5.4
Other Loans	N	599/ 393		47/ 8		4/ 4		113/ 48		138/ 99		88/ 77		33/ 26		126/ 130
	VX/	3.1/ 3.8		1.2/ 1.2		0.3/ 2.2		3.1/ 2.2		4.4/ 4.2		4.7/ 5.2		3.7/ 4.8		4.1/ 3.9
Other	N	1367/ 588		176/ 52		233/ 12		321/ 114		200/ 116		106/ 73		111/ 33		209/ 187
	VX/	7.1/ 5.8		4.9/ 7.7		8.1/ 6.5		8.7/ 6.4		6.4/ 5.3		5.9/ 5.2		10.1/ 6.1		6.8/ 31.8
Unduplicated Total ^{4/}	N	19147/10090		3611/ 671		2727/ 185		3673/ 1774		3103/ 2201		1803/ 1405		1157/ 538		3055/ 3301

1/ Includes mathematics and computer sciences.
 2/ V denotes vertical percentage; H denotes horizontal percentage.

3/ Includes AUM/AH Traineeships and Fellowships.
 4/ Includes Title IV Foreign Language and Area Studies Fellowships.

5/ The 1,964 Ph.D.s who did not report sources of support are omitted from this table.

SOURCE: National Research Council, Office of Scientific and Engineering Personnel, Doctorate Recruits File.

TABLE 4 State of Doctoral Institution of Doctorate Recipients by Sex and Summary Field, 1985

State of Doctoral Institution	Total		Physical Sciences ^{1/}		Engineering		Field of Life Sciences		Doctorate Social Sciences		Humanities		Prof. Fields		Education	
	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women
U.S. Total	20502	10699	3817	714	2967	198	3893	1855	3368	2352	1939	1489	1261	595	3237	3480
Alabama	145	116	13	2	17	1	38	31	14	11	6	6	10	3	47	62
Alaska	7	1	4	1	0	0	3	0	0	0	0	0	0	0	0	0
Arizona	285	140	77	9	30	0	56	21	29	25	23	12	13	3	56	69
Arkansas	86	42	5	4	6	1	31	4	5	5	4	3	15	5	20	20
California	2379	1170	600	89	431	32	363	226	429	335	207	198	118	47	229	240
Colorado	397	161	85	10	56	3	87	20	48	37	25	27	15	15	81	49
Connecticut	287	171	59	14	29	3	55	37	56	33	59	48	5	5	24	31
Delaware	64	29	22	4	19	3	2	3	8	10	7	4	1	0	5	5
D. C.	298	211	26	9	24	2	44	33	76	45	47	39	38	26	43	56
Florida	638	369	74	15	53	3	114	28	93	64	28	30	65	23	211	206
Georgia	398	256	48	12	31	4	97	30	67	54	24	24	35	13	96	118
Hawaii	99	39	18	4	5	0	30	8	27	12	13	11	0	0	6	4
Idaho	39	15	4	2	6	0	15	3	4	1	3	0	0	0	7	9
Illinois	1228	613	217	58	211	15	185	91	216	139	152	80	80	45	166	184
Indiana	668	304	118	28	108	3	118	41	88	60	87	59	48	17	101	96
Iowa	410	138	65	13	62	2	111	35	32	15	50	23	20	4	70	46
Kansas	299	162	31	11	29	1	92	26	51	23	38	16	6	9	52	76
Kentucky	141	56	11	1	7	0	48	10	26	17	25	8	12	4	12	16
Louisiana	183	70	33	7	16	2	42	10	10	16	28	13	36	2	18	20
Maine	16	6	1	0	3	0	5	1	5	3	0	0	0	0	2	2
Maryland	367	304	90	25	46	9	83	81	56	59	43	29	8	18	37	81
Massachusetts	1120	597	291	66	214	20	149	83	176	131	98	74	55	27	136	196
Michigan	828	381	115	16	124	9	170	62	164	90	66	61	35	16	154	127
Minnesota	366	149	51	5	57	1	113	44	56	29	36	26	24	5	28	39
Mississippi	152	75	9	1	7	0	29	9	32	13	8	5	22	4	45	43
Missouri	355	167	44	6	47	1	74	27	65	42	32	22	24	12	69	57
Montana	36	15	9	2	1	0	11	2	6	4	1	0	0	0	8	7
Nebraska	120	76	13	2	6	1	44	16	13	11	7	12	11	3	25	31
Nevada	13	18	3	0	0	0	2	1	5	6	0	1	0	0	3	10
New Hampshire	35	14	16	3	4	0	8	4	5	7	2	0	0	0	0	0
New Jersey	449	194	115	15	68	5	73	35	65	31	63	35	26	9	39	64
New Mexico	132	51	33	1	24	2	22	5	17	12	16	6	2	0	18	25
New York	2010	1274	378	51	262	18	324	212	427	376	239	232	107	65	271	319
North Carolina	426	257	78	19	54	8	123	76	74	52	35	35	19	11	41	56
North Dakota	34	30	3	0	0	0	16	8	7	3	0	3	1	0	7	16
Ohio	814	443	145	38	131	4	132	54	129	106	69	54	58	39	150	145
Oklahoma	264	122	23	3	45	1	51	23	36	12	15	9	14	15	80	59
Oregon	248	121	47	7	18	1	85	23	33	23	10	14	7	5	47	47
Pennsylvania	1152	588	222	39	194	19	131	82	181	106	103	70	94	41	226	230
Rhode Island	137	63	55	12	15	0	20	15	16	19	31	17	0	0	0	0
South Carolina	148	66	36	6	23	1	31	10	17	11	7	8	15	4	19	26
South Dakota	34	14	0	0	0	0	10	1	3	3	0	0	0	0	21	10
Tennessee	323	201	23	6	43	1	68	27	63	43	28	20	19	6	79	98
Texas	1161	634	194	47	173	4	217	132	157	104	81	66	134	50	204	231
Utah	270	88	45	2	42	2	38	15	53	19	11	7	9	6	71	37
Vermont	13	15	5	2	2	0	3	4	3	7	0	2	0	0	0	0
Virginia	392	207	62	10	78	7	74	47	61	40	25	16	26	9	66	77
Washington	349	155	70	14	36	3	106	35	54	30	28	19	8	12	46	42
West Virginia	73	42	10	1	13	0	12	5	14	8	3	0	1	0	20	28
Wisconsin	559	240	111	14	92	6	127	58	85	48	53	35	25	17	66	62
Wyoming	50	16	7	4	5	0	10	1	11	2	2	1	0	0	15	8
Puerto Rico	5	13	3	4	0	0	1	0	0	0	1	9	0	0	0	0

^{1/} Includes mathematics and computer sciences.

SOURCE: National Research Council, Office of Scientific and Engineering Personnel, Doctorate Records File.

TABLE 5 Statistical Profile of Doctorate Recipients by Racial/Ethnic Group and U.S. Citizenship Status, 1985^{1/}

	Total				American	Asian				Black			Total
	U.S.	Non-U.S. Perm.	Temp.	Total	Indian Total	U.S.	Non-U.S. Perm.	Temp.	Total	U.S.	Non-U.S. Perm.	Temp.	
Total Number	23241	1320	5214	31202 ^{2/}	93	515	552	2522 ^{2/}	3636	909	131	393	1435 ²
Male	X 60.9	75.6	84.0	65.7	41.9	63.7	79.0	84.6	80.8	41.6	89.3	89.6	59.1
Female	39.1	24.4	16.0	34.3	58.1	36.3	21.0	15.4	19.2	58.4	10.7	10.4	40.9
Doctoral Field													
Physical Sciences ^{3/}	X 13.1	17.6	20.4	14.5	4.3	19.4	21.7	23.1	22.2	3.3	8.4	6.4	4.6
Engineering	5.5	23.9	27.1	10.1	1.1	17.5	34.6	33.6	31.7	2.1	11.5	9.7	5.0
Life Sciences	19.1	14.3	17.7	18.4	19.4	24.9	14.9	16.0	16.9	7.7	21.4	23.2	13.2
Social Sciences	19.5	15.8	12.8	18.3	18.3	12.0	10.1	11.0	11.0	19.1	23.7	17.8	19.2
Humanities	12.3	11.4	5.1	11.0	8.6	8.3	4.3	3.2	4.2	7.4	6.1	6.9	7.1
Education	24.7	9.7	10.9	21.5	41.9	13.4	5.3	7.2	7.8	52.3	21.4	27.2	42.6
Professional/Other	5.8	7.3	6.0	6.1	6.5	4.5	9.1	5.9	6.2	8.1	7.6	8.9	8.3
Median Age at Doctorate	33.5	33.1	32.7	33.3	35.9	32.6	32.7	32.4	32.4	37.7	34.8	34.9	36.6
Median Time Lapse BA-PhD													
Total Time	Yrs 10.5	9.7	9.3	10.2	11.0	9.7	10.1	9.4	9.6	14.4	8.8	9.0	11.9
Registered Time	7.0	6.7	6.0	6.8	6.6	6.8	6.8	6.1	6.3	7.8	6.6	5.6	6.8
Graduate School Support													
Federal Fellow/Trainee	X 16.0	5.7	5.8	13.1	21.5	21.2	5.3	4.8	7.2	18.9	3.8	10.2	15.1
GI Bill	4.2	2	1	3.1	5.4	1.4	2	0	2	3.7	0	0	2.4
National Fellowship	3.8	2.5	4.0	3.6	7.5	4.5	1.3	3.8	3.4	8.3	4.6	7.6	7.7
Teaching Assistantship	46.6	51.9	41.2	43.8	35.5	47.4	50.9	43.7	44.7	26.1	45.8	31.0	29.2
Research Assistantship	37.8	51.1	50.5	38.8	31.2	51.1	63.4	60.3	58.7	16.8	33.6	27.5	21.3
Other University	29.5	28.3	22.9	27.1	21.5	29.5	24.3	21.5	22.8	32.0	29.0	23.2	29.3
Business/Employer	5.5	2.3	3.6	4.8	3.2	5.2	2.4	2.3	2.7	5.5	3.8	6.1	5.5
Self/Family Sources	81.8	71.6	50.3	72.4	81.7	71.8	65.4	49.8	54.6	82.0	82.4	52.2	73.7
Guaranteed Student Loan	28.1	17.9	8	21.8	33.3	24.7	12.0	6	5.7	27.8	36.6	1.5	21.4
Other Loans	11.1	7.4	2.0	8.9	11.8	11.5	5.1	1.2	3.2	15.8	16.8	2.5	12.3
Other	3.3	6.5	20.8	6.2	0	2.3	2.9	12.6	9.5	3.4	5.3	29.3	10.7
Unknown	1.6	1.0	3.6	6.3	0	1.2	7	2.3	3.1	1.7	1.5	3.6	2.3
Postdoctoral Plans													
Postdoctoral Study	X 20.3	19.8	28.6	20.8	18.3	30.5	20.5	32.8	30.1	8.4	13.0	20.1	12.0
Planned Employment	76.8	76.5	64.3	71.2	78.5	65.6	77.0	60.8	63.2	86.7	83.2	74.8	83.0
Educ. Institution	44.4	39.6	39.1	41.3	49.5	29.9	28.6	36.5	33.9	58.5	51.9	45.0	54.1
Industry/Business	14.9	27.0	11.7	14.2	16.1	22.1	38.8	14.4	19.0	6.5	16.8	5.1	7.0
Government	8.2	2.9	7.9	7.5	7.5	6.8	2.7	5.3	5.1	11.4	5.3	15.3	11.9
Non-profit	5.7	2.7	2.4	4.7	5.4	3.9	2.9	2.2	2.5	4.4	1.5	3.8	4.0
Other & Unknown	3.6	4.2	3.3	3.4	0	2.9	4.0	2.5	2.7	5.8	7.6	5.6	5.9
Postdoct Status Unknown	X 2.9	3.6	7.0	8.0	3.2	3.9	2.5	6.5	6.7	5.0	3.8	5.1	5.0
Definite Postdoct Study	X 15.3	11.8	16.7	14.7	14.0	20.4	11.6	19.5	18.2	5.7	7.6	8.1	6.6
Seeking Postdoct Study	5.0	8.0	11.9	6.1	4.3	10.1	8.9	13.3	12.0	2.6	5.3	12.0	5.4
Definite Employment	56.5	45.2	45.5	51.7	59.1	45.2	45.5	42.6	42.9	60.2	35.1	46.3	54.0
Seeking Employment	20.3	31.3	18.8	19.6	19.4	20.4	31.5	18.2	20.3	26.5	48.1	28.5	29.0
Employment Location after Doctorate													
U.S.	X ^{4/} 92.0	81.7	31.8	82.8	89.1	88.0	82.1	39.7	53.7	87.0	73.9	16.5	69.7
Foreign	1.3	10.9	59.9	10.3	0	4.3	8.8	50.6	36.9	2	23.9	73.1	18.7
Unknown	6.7	7.4	8.3	7.0	10.9	7.7	9.2	9.8	9.4	12.8	2.2	10.4	11.6

1/ See discussion on page for description of past changes in the survey question on racial/ethnic group.

2/ Includes individuals who did not report their citizenship at time of doctorate.

3/ Includes mathematics and computer sciences.

4/ The base for this percentage is the number of doctorates in the column caption group who have found definite employment.

Table 5 (Continued)

White				Puerto Rican		Mexican-American				Other Hispanic				Other & Unknown	
U.S.	Non-U.S. Perm.	U.S. Temp.	Total	U.S.	Total	U.S.	Non-U.S. Perm.	U.S. Temp.	Total	U.S.	Non-U.S. Perm.	U.S. Temp.	Total	U.S.	Non-U.S. Temp.
20641	533	1560	22750 ^{2/}	145	180	11	22	213 ^{2/}	234	61	337	638 ^{2/}	524	412	2291 ^{2/}
61.8	68.9	81.2	63.3	44.1	60.0	72.7	77.3	62.4	53.8	68.9	81.9	69.9	69.7	88.8	71.5
38.2	31.1	18.8	36.7	55.9	40.0	27.3	22.7	37.6	46.2	31.1	18.1	30.1	30.3	11.2	28.5
13.4	15.9	20.8	14.0	5.5	8.3	27.3	18.2	10.3	8.1	14.8	20.8	15.4	19.5	15.3	15.1
5.3	17.1	22.9	6.8	3.4	2.2	18.2	18.2	4.7	3.0	6.6	17.8	11.1	10.7	28.4	13.4
19.6	12.2	16.5	19.2	12.4	8.9	9.1	40.9	12.2	17.5	19.7	30.9	24.6	17.6	14.1	15.3
19.7	18.9	13.7	19.2	17.2	23.9	9.1	13.6	22.1	22.6	19.7	10.4	15.8	20.2	18.4	21.0
12.4	18.4	7.8	12.3	13.1	12.2	18.2	4.5	11.7	25.5	24.6	5.3	14.3	13.0	4.4	10.5
23.8	10.9	11.5	22.6	39.3	39.4	18.2	4.5	34.7	22.2	11.5	13.1	16.5	14.5	14.6	17.5
5.8	6.6	6.7	5.9	9.0	5.0	.0	.0	4.2	3.0	3.3	1.8	2.4	4.6	4.7	7.2
33.3	33.3	32.1	33.2	35.1	36.0	34.3	34.0	35.7	34.9	35.9	34.2	34.5	32.5	33.5	33.1
10.4	9.5	8.8	10.2	12.3	11.8	9.5	11.5	11.7	10.6	9.5	9.5	9.9	9.6	9.5	9.9
7.0	6.6	6.0	6.9	6.9	7.3	6.8	6.0	7.2	7.6	6.3	5.3	6.2	7.0	6.2	6.6
15.6	5.8	6.1	14.7	26.9	29.4	18.2	9.1	26.8	20.5	13.1	7.1	12.5	9.9	5.3	3.2
4.3	.2	.1	3.9	4.1	3.9	.0	.0	3.3	3.8	.0	.0	1.4	1.3	.0	.3
3.4	3.0	3.8	3.5	7.6	15.6	.0	4.5	13.6	6.4	6.6	5.3	5.8	4.2	1.5	1.3
48.1	56.3	46.2	48.1	39.3	41.1	36.4	27.3	39.4	42.7	47.5	32.6	37.6	30.7	23.8	11.5
39.0	45.6	47.5	39.7	23.4	25.6	27.3	50.0	28.2	29.5	39.3	41.8	36.7	27.7	29.6	11.9
29.6	30.8	26.3	29.4	37.2	38.3	27.3	18.2	35.7	34.2	41.0	24.9	29.8	18.7	18.0	7.6
5.6	2.1	4.7	5.5	12.4	4.4	.0	.0	3.8	4.3	1.6	5.3	4.7	3.2	4.4	1.5
82.9	75.2	57.3	81.0	73.8	82.8	90.9	36.4	78.4	83.3	73.8	43.0	61.0	46.8	32.8	16.7
28.2	18.8	1.0	26.1	49.7	34.4	9.1	.0	29.6	34.2	23.0	1.5	15.5	14.3	2.4	3.7
10.7	7.3	3.1	10.1	22.1	14.4	9.1	4.5	13.1	16.2	9.8	4.5	9.2	8.4	1.0	2.1
3.3	9.2	25.6	5.0	5.5	2.8	36.4	59.1	10.3	3.8	11.5	39.2	23.4	2.1	26.9	5.3
.7	.9	1.3	.7	.0	1.1	.0	.0	.9	1.7	.0	1.8	1.7	38.7	21.6	71.5
20.9	20.5	27.4	21.3	11.7	12.8	27.3	22.7	14.6	20.5	26.2	25.5	23.7	16.0	17.5	6.9
77.2	75.0	68.1	76.5	86.9	85.0	72.7	72.7	83.1	75.2	72.1	70.6	72.3	47.5	57.3	21.6
44.5	46.7	41.3	44.3	57.9	51.1	54.5	40.9	50.2	50.9	50.8	45.7	48.0	22.3	35.2	11.7
15.4	19.1	11.4	15.2	6.9	10.0	18.2	9.1	10.3	6.8	11.5	8.0	7.8	12.4	7.8	4.3
8.1	2.3	9.1	8.1	9.0	12.8	.0	18.2	12.7	5.6	3.3	10.1	7.8	4.0	9.5	2.7
5.8	2.8	2.4	5.5	7.6	7.2	.0	.0	6.1	5.6	4.9	2.7	3.9	2.3	1.5	.8
3.4	4.1	3.8	3.5	5.5	3.9	.0	4.5	3.8	6.4	1.6	4.2	4.7	6.5	3.4	2.1
1.9	4.5	4.5	2.2	1.4	2.2	.0	4.5	2.3	4.3	1.6	3.9	4.1	36.5	25.2	71.6
15.9	12.8	16.7	15.9	7.6	8.3	18.2	22.7	10.3	13.7	16.4	14.8	14.4	10.3	8.5	3.9
5.0	7.7	10.7	5.5	4.1	4.4	9.1	.0	4.2	6.8	9.8	10.7	9.2	5.7	9.0	2.9
57.3	46.3	48.8	56.5	64.1	60.0	45.5	59.1	59.2	47.9	55.7	54.3	52.0	29.4	42.2	14.7
19.9	28.7	19.2	20.1	22.8	25.0	27.3	13.6	23.9	27.4	16.4	16.3	20.2	18.1	15.0	6.9
92.5	83.4	33.1	88.8	91.4	91.7	80.0	7.7	82.5	85.7	82.4	17.5	47.6	83.8	14.4	47.5
1.2	9.7	60.8	4.9	1.1	.9	20.0	76.9	9.5	3.6	11.8	78.7	46.1	1.3	75.9	40.1
6.2	6.9	6.2	6.2	7.5	7.4	.0	15.4	7.9	10.7	5.9	3.8	6.3	14.9	9.8	12.5

SOURCE: National Research Council, Office of Scientific and Engineering Personnel, Doctorate Records File.

Appendix
Example Calculus Problems with SMP

A TRANSCENDENTAL EXERCISE

(Discuss $\int_0^1 \sin(x) \exp(-x^2) dx$)

#I[1]:: g[\$x]::Sin[\$x] Exp[-\$x^2] (define g)

#O[1]: ' Sin[\$x] Exp[- \$x]²

#I[2]:: g[x]

#O[2]: Exp[- x] Sin[x]²

#I[3]:: Int[g[x],[x,0,1]]

#O[3]: Int[Exp[- x] Sin[x],[x,0,1]] (closed form integration fails)

#I[4]:: <'numint (load a homemade numerical integrator)

#I[5]:: Simpson[g[x],x,0,1,4] (Simpson's rule, 4 subdivisions)

$$\frac{\text{Exp}[-1] \text{Sin}[1] + 4\text{Exp}[-9/16] \text{Sin}[3/4] + 2\text{Exp}[-1/4] \text{Sin}[1/2] + 4\text{Exp}[-1/16] \text{Sin}[1/4]}{12}$$

#O[5]: -----

12

#I[6]:: N[%] (decimal form of previous line)

#O[6]: 0.29496

(Estimate the error in the approximation)

#I[7]:: error:(b-a)^5 D4MAX/(180 n^4) (standard error formula for Simpson's rule, n subdivisions, on [a,b])

$$\#O[7]: \frac{D4MAX (-a + b)^5}{180 n^4}$$

(Maximize the fourth derivative of g(x) on [0,1])

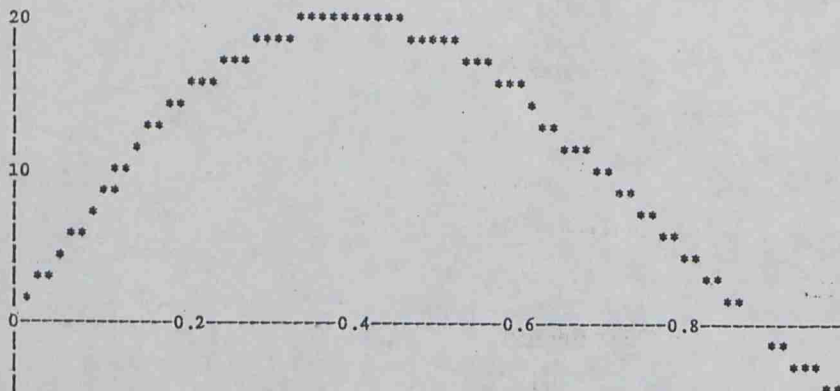
#I[8]:: D[g[x],[x,4]]

#O[8]: 25Exp[- x] Sin[x] + 56x Cos[x] Exp[- x] - 72 x² Exp[- x] Sin[x]

$$-32x^3 \cos[x] \exp[-x^2] + 16x^4 \exp[-x^2] \sin[x]$$

```
#I[9]:: Graph[%,x,0,1] (low resolution mode)
```

```
#O[9]:
```



```
#I[10]:: D[g[x],[x,5]]
```

```
#O[10]: 81Cos[x] Exp[- x^2] - 250x Exp[- x^2] Sin[x] + ...
```

```
#I[11]:: Sol[%=0,x]
```

```
#O[11]:: Sol[%=0,x] (equation can't be solved algebraically)
```

```
#I[12]:: <'newton (load a homemade numerical solver)
```

```
#I[13]:: Newton[%,x,.4,.0005] (''seed'' = 0.4, tolerance = .0005)
```

```
zeroth estimate is 0.4
```

```
estimate number 1 is 0.40636356
```

```
#O[14]: 0.406364
```

```
#I[16]:: S[D[g[x],[x,4]],x->.406] (substitute critical number into function)
```

```
#O[16]: 22.736Cos[0.406] Exp[- 0.406^2] + etc.
```

```
#I[17]:: N[%]
```

```
#O[17]: 20.5887 (This is the desired extremum)
```

```
#I[18]:: S[error,(D4MAX->21,a->0,b->1,n->4)] (substitute for parameters)
```

```
#O[18]: 7/15360
```

#I[19]:: N[%]

#O[19]: 4.55729* -4 (estimate .29496 accurate to three decimal places)

(Estimate integral using Taylor polynomial)

#I[20]:: Ps[g[x],x,0,7]

$$\#O[20]: x - \frac{7x^3}{6} + \frac{27x^5}{40} - \frac{1303x^7}{5040}$$

#I[21]:: Int[%,{x,0,1}]

#O[21]: 11633/40320 (closed form integration works easily)

#I[23]:: N[%]

#O[23]: 0.288517 (Compare with Simpson's estimate = .2947)

NAME TAB1A 000100
V 2 TO 261 ON 1 000200
DIST NAME TAB1A
DIST *NUMBER OF 1980-81 PHDS BY FINE FIELD OF DOCTORATE, RACE, CITIZENSHIP,
DIST *AND SEX - PART I
DIST T60A X T120-122A X RACECOL1
DIST ALSO

RECORDS READ 31319
RECORDS USED 1319
COUNTS 3395
NOT COUNTED 27043

CONTROL 1:3,2:3,3:2,16:3,17:2,18:2,36:3,37:2,48:3,49:2,72:3,73:2,97:3, 000210
98:3,99:2,121:3,122:2,134:3,135:2,149:3,150:2,166:3,167:2,183:3,184:2, 000220
203:3,204:2,214:3,215:2,226:3,227:2,241:3,242:2,260:3 000230
LINES=72 000300
NZL 000310
SKIP 1 000400
ALSO 000500

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FIELD OF PHD		TOTAL			AMER.	ASIAN			BLACK			TOTAL		
		U.S.	NON-U.S.	U.S.	TOTAL	U.S.	NON-U.S.	TOTAL	U.S.	NON-U.S.	TOTAL			
		PERM.	TEMP.			PERM.	TEMP.		PERM.	TEMP.				
TOTAL ALL FIELDS	N	16317	966	3375	21447	58	311	494	1337	2218	495	80	338	919
	V													
PHYSICAL SCI SBT	N	2697	186	666	3666	3.2	59	119	350	552	26	10.8	24	58
	V	16.5	19.3	19.7	17.1	3.4	19.0	24.1	26.2	24.9	5.3	10.0	7.1	6.3
MATH SUBTOTAL	N	400	37	162	616	1.7	14	16	72	106	1.6	2.2	2.7	1.5
	V	2.5	3.8	4.8	2.9	1.7	4.5	3.2	5.4	4.8	1.2	2.5	2.1	1.6
ALGEBRA	N	27	2	11	40				5	5			1	1
	V	.2	.2	.3	.2				.4	.2			.3	.1
ANALYSIS (010)	N	66	4	27	97		2	2	8	12	2		1	3
	V	.4	.4	.8	.5		.6	.4	.6	.5	.4		.3	.3
GEOMETRY	N	24	2	2	28		1	1	1	3				
	V	.1	.2	.1	.1		.3	.2	.1	.1				
LOGIC	N	16		1	17									
	V	.1			.1									
NUMBER THEORY	N	20	1	2	23			1	2	3				
	V	.1	.1	.1	.1			.2	.1	.1				
PROB, MATH STAT	N	78	10	42	131		4	4	21	30	2	1	3	6
	V	.5	1.0	1.2	.6		1.3	.8	1.6	1.4	.4	1.3	.9	.7
TOPOLOGY	N	33	1	10	44		1		5	6				
	V	.2	.1	.3	.2		.3		.4	.3				
COMPUTING THRY	N	9	2	3	14		1	1		2				
	V	.1	.2	.1	.1		.3	.2		.1				
OPERATIONS RES	N	13	4	12	31			1	8	10	1	1		2
	V	.1	.4	.4	.1			.2	.6	.5	.2	1.3		.2
APPLIED MATH	N	63	5	25	94		4	1	12	17			1	1
	V	.4	.5	.7	.4		1.3	.2	.9	.8			.3	.1
MATH, GEN	N	34	4	21	72	1	1	3	7	13	1		1	2
	V	.2	.4	.6	.3	1.7	.3	.6	.5	.6	.2		.3	.2
MATH, OTHER	N	17	2	6	25			2	3	5				
	V	.1	.2	.2	.1			.4	.2	.2				
COMPUTER SCI SUBT	N	148	16	38	206		3	11	11	25	1		1	2
	V	.9	1.7	1.1	1.0		1.0	2.2	.8	1.1	.2		.3	.2
PHYS & AST SUBT	N	670	45	181	942		18	32	110	171	5			5
	V	4.1	4.7	5.4	4.4		5.8	6.5	8.2	7.7	1.0			.5

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FIELD OF PHD		TOTAL			AMER. INDIAN		ASIAN			BLACK				
		U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL
ASTRONOMY	N	38	.1	.4	43									
	V	.2			.2			.1		1				
ASTROPHYSICS	N	51	.1	.3	53			.1	.1	.2	.1			.1
	V	.3		.1	.3			.2	.1	.1	.2			.1
ATOMIC & MOLEC	N	46	.2	.8	57			.2	.1	.5	.8	.1		.1
	V	.3	.2	.2	.3	.6		.2	.4	.4	.2			.1
ACOUSTICS	N	9	.1	1	11									
	V	.1	.1		.1			.2						
FLUIDS	N	6	.1	.4	11			.2		.2	.3			
	V		.1	.1	.1			.2	.1	.3				
PLASMA PHYSICS	N	52	.1	10	63		.3	.1	.6	10	.1			.1
	V	.3	.1	.3	.3	1.0		.2	.4	.5	.2			.1
OPTICS	N	36	.4	11	53			.1	.3	.6	10			
	V	.2	.4	.3	.2	.3		.6	.4	.5				
THERMAL PHYS	N	3	.1	.3	7									
	V		.1	.1				.2	.1	.1				
ELEMENT PART	N	82	.6	21	109			.1	.3	.9	13	.1		.1
	V	.5	.6	.6	.5	.3		.6	.7	.6	.2			.1
NUCLEAR STRUCT	N	44	.1	14	59					.1	.9			
	V	.3	.1	.4	.3			.2	.7	.5				
SOLID STATE	N	169	11	49	230			.6	.7	34	47			
	V	1.0	1.1	1.5	1.1	1.9		1.4	2.5	2.1				
PHYSICS, GEN	N	63	13	45	162			.4	10	28	53	.1		.1
	V	.4	1.3	1.3	.8	1.3		2.0	2.1	2.4	.2			.1
PHYSICS, OTHER	N	71	.2	.8	82			.1	.2	.7	10			
	V	.4	.2	.2	.4	.3		.4	.5	.5				
CHEMISTRY SUBT	N	1055	74	207	1376	1	22	52	138	220	11	5	9	25
	V	6.5	7.7	6.1	6.4	1.7	7.1	10.5	10.3	9.9	2.2	6.3	2.7	2.7
ANALYTICAL CH	N	175	.6	18	199	1	3	.4	11	18		1		1
	V	1.1	.6	.5	.9	1.7	1.0	.8	.8	.8		1.3		.1
INORGANIC CHEM	N	134	.5	12	153			.4	.2	.8	14	.1		.3
	V	.8	.5	.4	.7		1.3	.4	.6	.6	.2	2.5		.3
ORGANIC CHEM	N	347	29	53	430			.5	22	39	66			.8
	V	2.1	3.0	1.6	2.0	1.6	4.5	2.9	3.0	3.0	.6		1.5	.9
NUCLEAR CHEM	N	11		1	12									
	V	.1			.1									
PHYSICAL CHEM	N	183	.9	31	224			.3	.6	15	25			.3
	V	1.1	.9	.9	1.0	1.0	1.2	1.1	1.1	1.1	.4		.3	.3

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FIELD OF PHD		TOTAL			AMER.	ASIAN			BLACK			
		U.S.	NON-U.S. PERM.	U.S. TEMP.	INDIAN TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL
THEORETICAL CH	N	21	.1	.5	27	.1		.4				.5
	V	.1			.1	.3						.2
PHARMACEUTICAL	N	35	.5	.6	47		.3	.2	.5	.1	.1	.2
	V	.2	.5	.2	.2		.6	.1	.2	.2	.3	.2
POLYMER CHEM	N	26	1.0	21	57	1.3	1.9	1.8	30			
	V	.2	1.0	.6	.3	1.0	1.8	1.3	1.4			
CHEMISTRY, GEN	N	82	.6	4.9	171	.1	.3	35	45	.4	2.2	.1
	V	.5	.6	1.5	.8	.3	.6	2.6	2.0	.8	2.5	.3
CHEM, OTHER	N	41	.3	.11	56	.2	.3	.6	12			.1
	V	.3	.3	.3	.3	.6	.6	.4	.5			.3
EARTH, EN&MAR SCI SBT	N	424	14	7.8	526		.8	1.9	30	.3	1.1	2.7
	V	2.6	1.4	2.3	2.5	.6	1.6	1.4	1.4	.6	1.3	2.1
MINERAL, PETROL	N	22		.3	25							
	V	.1		.1	.1							
GEOCHEMISTRY	N	40		.1	43		.1	.1	.2			
	V	.2	.2		.2		.2	.1	.1			
STRATIG, SEDIM	N	31		.4	35			.1	1			
	V	.2		.1	.2			.1				
PALEONTOLOGY	N	18			18							
	V	.1			.1							
STRUCTURAL GEOLOGY	N	26			26							
	V	.2			.1							
GEOPHYSICS SE	N	49	.4	12	67		.3	.4	.8	.1	.3	.4
	V	.3	.4	.4	.3		.6	.3	.4	.2	.9	.4
GEOMORPH (350)	N	10		.1	11							
	V	.1			.1							
HYDROLOGY	N	11		.8	20			.1	1		.1	.1
	V	.1		.2	.1			.1			.3	.1
OCEANOGRAPHY	N	55	.1	.6	63		.1		1			
	V	.3	.1	.2	.3		.2					
MARINE SCI, OTHER	N	25		.3	28			.2	.2			
	V	.2		.1	.1			.1	.1			
ATMOS PHY&CHEM	N	13		.1	14			.1	1	.1		.1
	V	.1			.1			.1		.2		
ATMOS DYNAMICS	N	22	.1	.3	26	.1	.1	.1	.3			
	V	.1	.1	.1	.1	.3	.2	.1	.1			
ATMOS SCI, OTHR	N	19		.11	30	.1		.5	.6			
	V	.1		.3	.1	.3		.4	.3			

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FIELD OF PHD		TOTAL			AMER. INDIAN		ASIAN			BLACK			TOTAL	
		U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	U.S.	NON-U.S. PERM.	U.S. TEMP.			
ENV SCI, GEN	N	23	1	3	27			1	1	2	1		2	
	V	.1	.1	.3	.1			.2	.1	.1	.2		.3	
ENV SCI, OTHR	N	12	1	3	16				1	1		1	1	
	V	.1	.1	.1	.1				.1		1.3		.1	
APPL GEO (391)	N	15	1	4	21							1	1	
	V	.1	.1	.4	.1							.3	.1	
EARTH SCI, GEN	N	24	2	11	42			1	1	2		1	1	
	V	.1	.2	.3	.2			.2	.1	.1		.3	.1	
EARTH SCI, OTHR	N	9	1	4	14									
	V	.1	.1	.1	.1									
ENGINEERING TOTAL	N	1116	283	914	2429	6.4	71	194	481	773	16	3	39	59
	V	6.8	29.3	27.1	11.3			39.3	36.0	34.9	3.2	3.8	11.5	6.4
AERONAUT&ASTRO	N	50	6	35	97		2	4	19	25			1	1
	V	.3	.6	1.0	.5		.6	.8	1.4	1.1			.3	.1
AGRICULTURAL ENG	N	18	3	39	60		1	2	16	19			1.5	5
	V	.1	.3	1.2	.3		.3	.4	1.2	.9			.5	.5
BIOMEDICAL ENG	N	46	8	6	60			5	4	9	1			1
	V	.3	.8	.2	.3			1.0	.3	.4	.2			.1
CIVIL ENG	N	102	32	134	281	1.7	2.3	17	52	78	2	1.3	1.4	7
	V	.6	3.3	4.0	1.3			3.4	3.9	3.5	.4	1.3	1.2	.8
CHEMICAL ENG	N	120	42	110	285		2	38	62	104	2		1	3
	V	.7	4.3	3.3	1.3		.6	7.7	4.6	4.7	.4		.3	.3
CERAMIC ENG	N	11	5	7	23			3	5	8				
	V	.1	.5	.2	.1			.6	.4	.4				
COMPUTER ENG	N	26	14	23	63		2	11	13	26				
	V	.2	1.4	.7	.3		.6	2.2	1.0	1.2				
ELECTRICAL ENG	N	193	48	130	397		17	30	75	131	1.6		3	1.9
	V	1.2	5.0	3.9	1.9		5.5	6.1	5.6	5.9			.9	1.0
ELECTRONICS EN	N	45	6	15	67		2	4	7	13	1			1
	V	.3	.6	.4	.3		.6	.8	.5	.6	.2			.1
INDUSTRIAL ENG	N	29	7	20	60		2	3	9	14			2	2
	V	.2	.7	.6	.3		.6	.6	.7	.6			.6	.2
NUCLEAR ENG	N	60	14	44	124		4	11	17	33	1		2	3
	V	.4	1.4	1.3	.6		1.3	2.2	1.3	1.5	.2		.6	.3
ENGINEER. MECH	N	37	7	30	77		2	5	20	28	1		2	3
	V	.2	.7	.9	.4		.6	1.0	1.5	1.3	.2		.6	.3
ENGINEER. PHYS	N	11	3	6	20			2	1	3				
	V	.1	.3	.2	.1			.4	.1	.1				

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FIELD OF PHD		TOTAL			AMER. INDIAN		ASIAN			BLACK				
		U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	
IMMUNOLOGY	N	83	.2	.4	89		1.5	.2	.1	9		.1	1	
	V	.5			.4			.4		.4		.3	.1	
BOTANY	N	93		.8	105	1	.1			1	.1		1	
	V	.6		.2	.5	1.7	.3				.2		.1	
ECOLOGY	N	135	.1	.7	145		1.3		.1	4			1	
	V	.8	.1	.2	.7		1.0		.1	.2			.1	
MICROBIO & BACT	N	212	.9	.24	250	1	2.7	1.5	10	22	.2	2.5	1.5	1.9
	V	1.3	.9	.7	1.2	1.7	2.3	1.0	.7	1.0	.4	2.5	1.5	1.0
ANIMAL PHYSIOL	N	228	.5	.13	247	1	1.7	1.9	.2	5	.2		.6	.4
	V	1.4	.5	.4	1.2	1.7	1.9	.2	.4	.5	.4		.6	.4
PLANT PHYS	N	44	.1	.11	57				.7	.7			.2	.2
	V	.3	.1	.3	.3				.5	.3			.6	.2
ZOOLOGY	N	134	.2	.9	150		.2		.3	.6	.2		.1	.3
	V	.8	.2	.3	.7		.6		.2	.3	.4		.3	.3
GENETICS	N	81	.1	.11	95		.1	.1	.1	.3				
	V	.5	.1	.3	.4		.3	.2	.1	.1				
ENTOMOLOGY	N	98	.6	.24	130	1	1.5	.2	10	17			.3	.3
	V	.6	.6	.7	.6	1.7	1.6	.4	.7	.8			.9	.3
MOLECULAR BIO	N	105	.5	.4	117		.1	.3	.3	.7	.1			.1
	V	.6	.5	.1	.5		.3	.6	.2	.3	.2			.1
NUTRITION/DIET	N	31	.2	.4	40		.1		.1	.2	.1	1	.2	.4
	V	.2	.2	.1	.2		.3		.1	.1	.2	1.3	.6	.4
BIO SCI, GEN	N	116	.5	.11	147		.8	.1	.7	16	.1		.1	.2
	V	.7	.5	.3	.7		2.6	.2	.5	.7	.2		1.3	.2
BIO SCI, OTHER	N	96	.2	.5	108		.1	.1	.2	.4			.1	.1
	V	.6	.2	.1	.5		.3	.2	.1	.2			1.3	.1
AG SCI SUBT	N	589	4.1	348	1003	2	1.6	18	110	136	12	7.6	51	70
	V	3.6	4.2	10.3	4.7	3.4	1.9	3.6	8.2	6.1	2.4	7.5	15.1	7.6
AGRONOMY	N	100	.4	.55	162		.2	.1	13	16			10	10
	V	.6	.4	1.6	.8		.6	.2	1.0	.7			3.0	1.1
AG ECON	N	83	.11	.60	155	1	.1	.3	21	25	.3	.4	.9	16
	V	.5	1.1	1.8	.7	1.7	.3	.6	1.6	1.1	.6	5.0	2.7	1.7
ANIMAL HUSBAND	N	14	.1	.4	19			.1	.4	.5				
	V	.1	.1	.1	.1			.2	.3	.2				
FOOD SCI & TECH	N	32	.3	.40	76		.2	.1	17	20	.1		.4	.5
	V	.2	.3	1.2	.4		.6	.2	1.3	.9	.2		1.2	.5
FISH & WILDLIFE	N	53		.2	57				.1	1				
	V	.3		.1	.3				.1					

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FIELD OF PHD		TOTAL			AMER. INDIAN		ASIAN			BLACK			TOTAL
		U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	U.S.	NON-U.S. PERM.	U.S. TEMP.		
FORESTRY	N	61	.3	21	89								4
	V	.4		.6	.4			.8					.4
						.3	.4	.6	.5	.2	1.3	.6	
HORTICULTURE	N	31	.5	28	68								4
	V	.2	.5	.8	.3						1.3	.9	.4
SIOLS&SOIL SCI	N	40	.4	36	83								7
	V	.2	.4	1.1	.4			1.3	.7	.6		1.4	.8
ANIM SCI & NUTRITION	N	74	.4	49	132	1.1							14
	V	.5	.4	1.5	.6	1.7	.3	.5	.4	.4		3.3	1.5
PHYTOPATHOLOGY	N	54	.3	21	78								3
	V	.3	.3	.6	.4			10	.5	.2		.6	.3
AG, GENERAL	N	1		.3	4								1
	V			.1								.3	.1
AG, OTHER	N	46	.3	29	80								6
	V	.3	.3	.9	.4			.2	.6	.4	.2	1.5	.7
MED SCI SUBT	N	490	35	165	604	3.2							21
	V	3.0	3.6	1.9	2.8	3.4	3.10	4.23	1.23	2.6	.3	5.0	4.1
PUBLIC HEALTH	N	69	.3	10	82								5
	V	.4	.3	.3	.4		.1	.1	.3	.2	1.3	.9	.5
VETERINARY MED	N	19	.1	11	33								1
	V	.1	.1	.3	.2			.5	.5			.3	.1
NURSING	N	3			3								
	V												
PARASITOLOGY	N	11		2	13								2
	V	.1		.1	.1							.6	.2
ENVRN HEALTH	N	31	.3	2	37	1.1							3
	V	.2	.3	.1	.2	1.7				.2	2.5		.3
PATHOLOGY	N	59	.2	14	79								1
	V	.4	.2	.4	.4		.3	.4	.3			.3	.1
PHARMACOLOGY	N	190	.7	12	211								4
	V	1.2	.7	.4	1.0		1.3	1.0	.5	.8		1.4	.4
PHARMACY	N	38	15	4	58								5
	V	.2	1.6	.1	.3		1.3	2.6	.1	.8	.2	1.3	.5
MED SCI, GEN	N	16			16								
	V	.1			.1								
MED SCI, OTHER	N	54	.4	10	72	1.1							
	V	.3	.4	.3	.3	1.7		.4	.4	.3			

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FIELD OF PHD		TOTAL			AMER. INDIAN		ASIAN			BLACK				
		U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL
SOCIAL SCI TOT	N	3383	137	483	4190	13.8	47	41	141	235	96	24	61	183
	V	20.7	14.2	14.3	19.5	15.1	8.3	10.5	10.6	19.4	30.0	18.0	19.9	
ANTHROPOLOGY	N	188	.3	16	217	1.1	1	.3	.4	.2		.2	.4	
	V	1.2	.5	1.0	1.7	.3	.2	.2	.4	.4		.6	.4	
COMMUNICATIONS	N	106	.5	15	129			.4	.3	.7		2.8	1.2	
	V	.6	.4	.6	.6		.8	.2	.3	.3		.6	1.3	
SOCIOLOGY	N	287	14	52	361		2.7	1.5	15	28	12	4	9	25
	V	1.8	1.4	1.5	1.7		2.3	1.0	1.1	1.3	2.4	5.0	2.7	2.7
ECONOMICS	N	449	45	184	707	3.2	10	14	63	88	9	5	14	29
	V	2.8	4.7	5.5	3.3	3.4	3.2	2.8	4.7	4.0	1.8	6.3	4.1	3.2
ECONOMETRICS	N	7	.4	.5	16			.2	.2	.4			.1	.1
	V	.4	.1	.1	.1		.4	.1	.2	.2			.3	.1
STATISTICS	N	13	.2	16	32		2	1	.8	12			1	1
	V	.1	.2	.5	.1		.6	.2	.6	.5			.3	.1
GEOGRAPHY	N	66	.2	17	89		1	1	.2	.4	.2		.5	.7
	V	.4	.2	.5	.4		.3	.2	.1	.2	.4		1.5	.8
AREA STUDIES	N	7	.1	.5	15		1		.3	.4		1	.1	
	V	.1	.1	.1	.1		.3		.2	.2		1.3		
POLITICAL SCI	N	264	21	47	349		6	5	12	25	11	6	6	23
	V	1.6	2.2	1.4	1.6		1.9	1.0	.9	1.1	2.2	7.5	1.8	2.5
PUBLIC ADMIN	N	82	.2	17	120		2	1	.6	.9	5		.3	.8
	V	.5	.2	.5	.6		.6	.2	.4	.4	1.0		.9	.8
INT. RELATIONS	N	48	.4	16	75			1	.4	.6	1	2	.4	.7
	V	.3	.4	.5	.3			.2	.3	.3	.2	2.5	1.2	.8
CRIMINOLOGY	N	23	.2		26									
	V	.1	.2		.1									
URBAN® PLAN	N	37	.6	26	77		1	1	10	12		2	.6	.8
	V	.2	.6	.8	.4		.3	.2	.7	.5		2.5	1.8	.9
SOCIAL SCI, GEN	N	11		.4	17				.1	1	1			.1
	V	.1		.1	.1				.1	.2				.1
SOC SCI, OTHER	N	50	.5	15	75			2	.4	.6	.3	2		.5
	V	.3	.5	.4	.3			.4	.3	.5	.6	2.5		.5
PSYCH SUBTOTAL	N	1745	21	48	1885	8.5	16	4	5	25	47	2	2	51
	V	10.7	2.2	1.4	8.8	8.6	5.1	.8	.4	1.1	9.5	2.5	.6	5.5
CLINICAL PSYCH	N	669	.7	.9	701	3.2	5	1	.2	.8	18	1		19
	V	4.1	.7	.3	3.3	3.4	1.6	.2	.1	.4	3.6	1.3		2.1
COUNSEL & GUID	N	185	.1	.5	191		1	1		.2	9			.9
	V	1.1	.1	.1	.9		.3	.2		.1	1.8			1.0

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FIELD OF PHD		TOTAL			AMER. INDIAN		ASIAN			BLACK				
		U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL
DEVEL & GERONT	N	79		1	80									
	V	.5			.4									
ED PSYCH	N	96	.2	.3	103	1					.1		1	
	V	.6	.2	.1	.5	1.7					.2		.1	
SCHOOL PSYCH	N	59			60									
	V	.4			.3									
EXPERIMT PSYCH	N	179	.1	.7	189	1	.2	.1	.2	.5	.3		.3	
	V	1.1	.1	.2	.9	1.7	.6	.2	.1	.2	.6		.3	
COMPARATIVE	N	8			8									
	V													
PHYSIOLOGICAL	N	64	.1	.2	68					.3	.1		1	
	V	.4	.1	.1	.3		1.0			.1	.2		.1	
INDUST&PERSON.	N	63	.1	1	65					1	.3		.3	
	V	.4	.1		.3			.2			.6		.3	
PERSONALITY	N	23			23					1	.2		.2	
	V	.1			.1			.3			.4		.2	
PSYCHOMETRICS	N	15		.2	17								.1	
	V	.1		.1	.1								.1	
SOCIAL PSYCH	N	99	.1	.3	104					1			.7	
	V	.6	.1	.1	.5			.3			1.2		.8	
PSYCH, GEN	N	109	.4	.4	148					1	.2	1	.3	
	V	.7	.4	.1	.7			.3			.4	1.3	.3	
PSYCH, OTHER	N	97	.3	.11	128	1				.3	.2		.2	
	V	.6	.3	.3	.6	1.7	.6		.1	.1	.4		.2	
HUMANITIES TOT	N	1876	76	163	2198	13	8	19	15	45	84	43	16	65
	V	11.5	7.9	4.8	10.2	13.8	6.1	3.0	3.4	3.8	8.7	7.5	4.7	7.1
ART, HIST&CRIT	N	38	.1	.5	45					.1	1	.1	.3	.2
	V			.1	.2					.1	.2		.3	.2
HIST, AMERICAN	N	165	.2	.4	171			1		1			1	10
	V	1.0	.2	.1	.8			.3			1.8		.3	1.1
HIST, EUROPEAN	N	112	.4	.3	119	1		.2		.2	.1			1
	V	.7	.4	.1	.6	1.7		.6		.1	.2			.1
HISTORY, OTHER	N	137	.6	.30	186	1		.2		11	14		2	8
	V	.8	.6	.9	.9	1.7		.6		.8	.6		.4	.9
HIST&PHIL/SCI	N	18		.3	21									
	V	.1		.1	.1									
AMERICAN STUD.	N	39		.2	42	1		1		.2	.2		.2	
	V	.2		.1	.2	1.7	.3		.1	.1	.4		.2	

FIELD OF PHD		TOTAL			AMER. INDIAN		ASIAN			BLACK			TOTAL
		U.S.	NON-U.S. PERM.	NON-U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	NON-U.S. TEMP.	U.S.	NON-U.S. PERM.	NON-U.S. TEMP.		
THEATRE	N	65	2	2	71						2	1	3
	V	.4	.2	.1	.3					.4	1.3		.3
MUSIC	N	229	2	9	260	1	4		1	5	6		6
	V	1.4	.2	.3	1.2	1.7	1.3		.1	.2	1.2		.7
SPCH AS DR ART	N	24			25	1							
	V	.1			.1	1.7							
ARCHEOLOGY	N	14	1		15								
	V	.1	.1		.1								
RELIGION	N	116	7	6	132	1	2	3	3	8	5	2	1
	V	.7	.7	.2	.6	1.7	.6	.6	.2	.4	1.0	2.5	.3
PHILOSOPHY	N	193	8	18	224		1	3	5	10	3	1	2
	V	1.2	.8	.5	1.0		.3	.6	.4	.5	.6	1.3	.6
LINGUISTICS	N	62	2	30	98		3	1	10	14			1
	V	.4	.2	.9	.5		1.0	.2	.7	.6			.3
COMPARATVE LIT	N	46	5	5	58			1	3	4	1		1
	V	.3	.5	.1	.3			.2	.2	.2	.2		.1
HUMANITIES, GEN	N	14			14								
	V	.1			.1								
HUMANITIES, OTR	N	23		2	26				1	1	1		1
	V	.1		.1	.1				.1	.2	.2		.1
LANG & LIT SBT	N	581	36	44	691	2	3	7	9	22	10	2	16
	V	3.6	3.7	1.3	3.2	3.4	1.0	1.4	.7	1.0	2.0	2.5	1.2
AMERICAN L&L	N	60	1	5	66			1		1	2		2
	V	.4	.1	.1	.3			.2		.4	.4		.2
ENGLISH L&L	N	291	9	14	327	2		3	6	9	5		7
	V	1.8	.9	.4	1.5	3.4		.6	.4	.4	1.0		.6
GERMAN L&L	N	33	4	1	40								
	V	.2	.4		.2								
RUSSIAN L&L	N	11	2	1	14								
	V	.1	.2		.1								
FRENCH L&L	N	38	7	3	49						1	2	3
	V	.2	.7	.1	.2						.2	2.5	.3
SPAN &PORT L&L	N	71	8	9	91		1		1	2	1		1
	V	.4	.8	.3	.4		.3		.1	.1	.2		.1
ITALIAN L&L	N	5	1	1	7								
	V	.1	.1										
CLASSICAL L&L	N	34	1	2	38						1		1
	V	.2	.1	.1	.2						.2		.1

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FIELD OF PHD		TOTAL			AMER. INDIAN		ASIAN			BLACK				
		U.S.	NON-U.S. PERM.	NON-U.S. TEMP.	TOTAL	TOTAL	U.S.	NON-U.S. PERM.	NON-U.S. TEMP.	U.S.	NON-U.S. PERM.	NON-U.S. TEMP.		
OTHER LANG	N	38	.3	.8	59		2	3	.2	10				
	V	.2			.3		.6	.6	.1	.5		.2	.2	
PROF FLDS TOT	N	722	62	139	964	1	7	27	35	69	19	4	18	41
	V	4.4	6.4	4.1	4.5	1.7	2.3	5.5	2.6	3.1	3.8	5.0	5.3	4.5
THEOLOGY	N	159	.5	12	179		.1	.2	.3	.6			.3	.3
	V	1.0	.5	.4	.8		.3	.4	.2	.3			.9	.3
BUSINESS ADMIN	N	366	47	88	532	1	3	23	28	54	9	3	5	17
	V	2.2	4.9	2.6	2.5	1.7	1.0	4.7	2.1	2.4	1.8	3.8	1.5	1.8
HOME ECONOMICS	N	15			15									
	V	.1			.1									
JOURNALISM	N	7	.1	.4	12			.1	.1	.2			.2	.2
	V				.1			.2	.1	.1			.6	.2
SPEECH&HEARING	N	55			56		1			1	1			1
	V	.3			.3		.3				.2			.1
LAW, JURISPRUD	N	12	.3	10	27			.1	.1	.2			.1	.1
	V	.1	.3	.3	.1			.2	.1	.1			.3	.1
SOCIAL WORK	N	82	3	11	99		1			1	7	1	1	9
	V	.5	.3	.3	.5		.3				1.4	1.3	.3	1.0
LIB & ARCH SCI	N	17		.7	24				.1	.2			1.5	.7
	V	.1			.1					.1	.4		.3	.8
PROF FLD, OTHER	N	9	.3	.7	20		1			1			.1	.1
	V	.1	.3	.2	.1		.3						.3	.1
EDUCATION TOT	N	3336	82	397	3955	25	37	28	76	147	264	22	94	377
	V	20.4	8.5	11.8	18.4	43.1	11.9	5.7	5.7	6.6	55.3	22.3	27.8	41.0
FOUNDNS-S&P	N	84	.5	23	121	1		.1	.4	.7	.6	.2	.7	16
	V	.5	.5	.7	.6	1.7		.2	.3	.3	1.2	2.5	2.1	1.7
ED PSYCH	N	184	.8	15	209	1	2	5	12	5	10		1	11
	V	1.1	.8	.4	1.0	1.7	.6	1.0	.4	.5	2.0		.3	1.2
ELEMNT ED, GEN	N	56		.2	60						.2			.2
	V	.3		.1	.3						.4			.2
SECONDY ED, GEN	N	58	.2	.8	76			.1	.2	.3			.1	.2
	V	.4	.2	.2	.4			.2	.1	.1	.1		.3	.2
HIGHER ED	N	352	.9	27	392	3	3	2	7	12	44		9	55
	V	2.2	.9	.8	1.8	5.2	1.0	.4	.5	.5	8.9	2.5	2.7	6.0
ADULT ED(919)	N	104	.1	20	125	1	1	1	4	6	9		6	15
	V	.6	.1	.6	.6	1.7	.3	.2	.3	.3	1.8		1.8	1.6

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FIELD OF PHD		TOTAL			AMER. INDIAN		ASIAN			BLACK			TOTAL	
		U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	U.S.	NON-U.S. PERM.	U.S. TEMP.			
ED MEAS & STAT	N	37	.2	.8	49								.2	
	V	.2			.2		.6	.3	.5	.1	1.3			
CURRIC & INSTR	N	305	7	51	366	1	2	3	8	13	20	2	12	34
	V	1.9	.7	1.5	1.7	1.7	.6	.6	.6	.6	4.0	2.5	3.6	3.7
EDUC ADMIN&SUP	N	935	17	75	1039	14	8	5	14	28	81	4	19	104
	V	5.7	1.8	2.2	4.8	24.1	2.6	1.0	1.0	1.3	16.4	5.0	5.6	11.3
GUIDANCE (940)	N	277	4	9	296									
	V	1.7	.4	.3	1.4		1.3	.2	.1	.6	4.4	1.3	.9	2.8
SPECIAL ED	N	108	3	5	118									
	V	.7	.3	.1	.6		.3		.1	.2	.4			.2
AUDIO-VIS MED	N	40		.8	48									
	V	.2			.2				.1	1	.2		.6	.3
EDUCATION, GEN	N	107	2	28	205		2	1	7	12	13		6	19
	V	.7	.2	.8	1.0		.6	.2	.5	.5	2.6		1.8	2.1
ED, OTHER	N	65	4	15	89									
	V	.4	.4	.4	.4		1.0	.4	.3	.4	1.4	1.3	1.2	1.3
TEACH FLDS SBT	N	624	18	103	762	4	9	6	15	31	45	5	24	74
	V	3.8	1.9	3.1	3.6	6.9	2.9	1.2	1.1	1.4	9.1	6.3	7.1	8.1
AGRICULTURE	N	28	1	.8	38									
	V	.2	.1	.2	.2		.3	.2	.2	.2	.6		.6	.5
ART	N	19	1	7	27									
	V	.1	.1	.2	.1				.1	1	.4	1.3	.6	.5
BUSINESS	N	22		.6	28									
	V	.1		.2	.1				.1	.1				
EARLY CHILDHOOD	N	10			11									
	V	.1			.1									
ENGLISH	N	19		.5	24									
	V	.1		.1	.1						.2		.3	.2
FOREIGN LANG	N	6		.3	10									
	V			.1							.2			.1
INDUST ARTS	N	23		1	25									
	V	.1			.1						.4		.3	.3
MATHEMATICS	N	28	1	7	37	1		1	1	2	4		2	6
	V	.2	.1	.2	.2	1.7		.2	.1	.1	.8		.6	.7
MUSIC	N	44		.2	48									
	V	.3		.1	.2			.3		1	.4			.4
PHYS ED (988)	N	172	10	29	218	1	5	2	3	11	7	2	5	14
	V	1.1	1.0	.9	1.0	1.7	1.6	.4	.2	.5	1.4	2.5	1.5	1.5

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FIELD OF PHD		TOTAL			AMER. INDIAN	ASIAN			BLACK			TOTAL
		U.S.	NON-U.S. PERM.	NON-U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	NON-U.S. TEMP.	U.S.	NON-U.S. PERM.	NON-U.S. TEMP.	
READING	N	34		2	36							4
	V	.2		.1	.2			.1	1	.3		.4
SCIENCE ED	N	51	.2	18	71	.2	1	.1	.2	.2	.2	9
	V	.3	.2	.5	.3	3.4	.3	.1	.1	.4	2.5	1.5
SOCIAL SCI ED	N	30		4	34							2
	V	.2		.1	.2		.3	.1	.2	.1		.2
SPEECH ED	N	3			3							
	V											
VOCATIONAL ED	N	119	.3	10	135		.2	.2	.4	13		17
	V	.7	.3	.3	.6		.4	.1	.2	2.6	1.4	1.8
OTHR TEACH FLD	N	16		1	17					.2		2
	V	.1			.1					.4		.2
OTHER/UNSP FLD	N	20		.6	27	.1			1	.1		1
	V	.1		.2	.1	1.7				.2		.1

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FIELD OF PHD		TOTAL			AMER.	ASIAN			BLACK			TOTAL		
		U.S.	NON-U.S.	U.S.	TOTAL	U.S.	NON-U.S.	TOTAL	U.S.	NON-U.S.				
		PERM.	TEMP.			PERM.	TEMP.		PERM.	TEMP.				
TOTAL ALL FIELDS	N	8673	306	549	9872	31	149	108	222	486	512	17	32	564
	V													
PHYSICAL SCI SBT	N	370	38	83	502		12	24	37	77	5	6	11	
	V	4.3	12.4	15.1	5.1		8.1	22.2	16.7	15.8	1.0	18.8	2.0	
MATH SUBTOTAL	N	80	26	24	112		6	4	9	20	1	2	3	
	V	.9	2.0	4.4	1.1		4.0	3.7	4.1	4.1	.2	6.3	.5	
ALGEBRA	N	.8	1.3	.3	14			1.2	.1	.3		3.1	.1	
	V	.1	1.0	.3	.1			1.9	.5	.6		3.1	.2	
ANALYSIS (010)	N	.5		.3	.8				1	1	1		.1	
	V	.1		.5	.1				.5	.2	.2		.2	
GEOMETRY	N	1			1									
	V													
LOGIC	N	1			1									
	V													
NUMBER THEORY	N			1	1									
	V			.2										
PROB, MATH STAT	N	23	1	8	32		2		6	8				
	V	.3	.3	1.5	.3		1.3		2.7	1.6				
TOPOLOGY	N	11			11									
	V	.1			.1									
COMPUTING THRY	N	2			2									
	V													
OPERATIONS RES	N	3		1	4							1	1	
	V			.2								3.1	.2	
APPLIED MATH	N	20	2	2	24		4	2		6				
	V	.2	.7	.4	.2		2.7	1.9		1.2				
MATH, GEN	N	3		3	8					1				
	V			.5	.1					.2				
MATH, OTHER	N	3		3	6				1	1				
	V			.5	.1				.5	.2				
COMPUTER SCI SUBT	N	20	4	2	26		1	1	1	3	1			1
	V	.2	1.3	.4	.3		.7	.9	.5	.6	.2			.2
PHYS & AST SUBT	N	45	8	19	73		1	4	11	16	1			1
	V	.5	2.6	3.5	.7		.7	3.7	5.0	3.3	.2			.2

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FIELD OF PHD		TOTAL			AMER. INDIAN	ASIAN			BLACK				
		U.S.	NON-U.S. PERM.	NON-U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	NON-U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	NON-U.S. TEMP.	TOTAL
POLYMER CHEM	N	1	.2	.1	4		.2	.1	.3				
	V		.7	.2			1.9	.5	.6				
CHEMISTRY, GEN	N	10	.2	.7	26	.1	.1	.5	10				
	V	.1	.7	1.3	.3	.7	.9	2.3	2.1				
CHEM, OTHER	N	14	.4		18		.4		.4				
	V	.2	1.3		.2		3.7		.8				
EARTH, EN&MAR SCI SBT	N	47	.1	.7	56	.1	.1	.2	.4				
	V	.5	.3	1.3	.6	.7	.9	.9	.8		3.1		.1
MINERAL, PETROL	N	.5			.5								
	V	.1			.1								
GEOCHEMISTRY	N	.5			.5								
	V	.1			.1								
STRATIG, SEDIM	N	.6		.1	.7								
	V	.1		.2	.1								
PALEONTOLOGY	N	1			1								
	V												
STRUCTURAL GEOLOGY	N	1			1								
	V												
GEOPHYSICS SE	N	4	.1		5		.1		.1				
	V		.3		.1		.9		.2				
GEOMORPH (350)	N	2			2								
	V												
HYDROLOGY	N	1			1								
	V												
OCEANOGRAPHY	N	.7			.7	.1			.1				
	V	.1			.1	.7			.2				
MARINE SCI, OTHER	N	2			2								
	V												
ATMOS PHY&CHEM	N	1			1								
	V												
ATMOS DYNAMICS	N			.1	1			.1	.1				
	V			.2				.5	.2				
ATMOS SCI, OTHR	N			.1	1								
	V			.2									
ENV SCI, GEN	N	3			3								
	V												
ENV SCI, OTHR	N	.5		.3	.8		.1	.1					
	V	.1		.5	.1		.5	.2			3.1		.1

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FIELD OF PHD		TOTAL			AMER. INDIAN	ASIAN			BLACK				
		U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL
EARTH SCI, GEN	N	2			1								
	V			.2	4								
EARTH SCI, OTHR	N	2			2								
	V												
ENGINRNG TOTAL	N	53	15	29	99								
	V	.6	4.9	5.3	1.0	4.0	11	14	31	6.3		6.4	
AGRICULTRL ENG	N			2	2								
	V			.4									
BIOMEDICAL ENG	N	2	1		3		1		1				
	V		.3				.9		.2				
CIVIL ENG	N	3	2	1	6		2	1	3				
	V		.7	.2	.1		1.9	.5	.6				
CHEMICAL ENG	N	8	1	2	11	1	1		2				
	V	.1	.3	.4	.1	.7	.9		.4				
CERAMIC ENG	N			1	1			1	1				
	V			.2				.5	.2				
COMPUTER ENG	N	3	3	1	8	1	2	1	4				
	V		1.0	.2	.1	.7	1.9	.5	.8				
ELECTRICAL ENG	N	8	2	4	14	1	2	2	5				
	V	.1	.7	.7	.1	.7	1.9	.9	1.0				
INDUSTRIAL ENG	N	6			6	1			1				
	V	.1			.1	.7			.2				
NUCLEAR ENG	N	1		5	6			2	2				
	V			.9	.1			.9	.4				
ENGINEER. MECH	N	1			1								
	V												
ENGINEER. PHYS	N	1		1	2	1		1	2				
	V			.2		.7		.5	.4				
MECHANICAL ENG	N	3		2	5								
	V			.4	.1								
METALURGY(475)	N	1	1	3	5		1	3	4				
	V		.3	.5	.1		.9	1.4	.8				
SYS DESGN(476)	N	3	1		4	1			1				
	V		.3			.7			.2				
OPERATIONS RES	N	4	1	2	7		1		1				
	V		.3	.4	.1		.9		.2				
SANI. & ENV	N	2		2	4			1	1				
	V			.4				.5	.2				

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FIELD OF PHD		TOTAL			AMER.	ASIAN			BLACK		
		U.S.	NON-U.S.	PERM. TEMP.	INDIAN	U.S.	NON-U.S.	PERM. TEMP.	U.S.	NON-U.S.	PERM. TEMP.
GENETICS	N	56	.2	.4	62	1.2	.1				
	V	.6			.6			.3			
ENTOMOLOGY	N	10	.1	.2	13	1.2					
	V	.1	.3	.4	.1			.4			
MOLECULAR BIO	N	62	.2	.3	68	.1		1.3			.2
	V	.7	.7	.5	.7		.7	.4	.4		.4
NUTRITION/DIET	N	45	1.3	1.0	59	3.2	.1	1.2	1.4	1.7	1.2
	V	.5	1.0	1.8	.6		.7	1.9	1.8	1.4	1.0
BIO SCI, GEN	N	53	1.3	.2	60		1.2	2.3	.9	1.7	.3
	V	.6	1.0	.4	.6					.6	.5
BIO SCI, OTHER	N	37	1.3	.4	46		1.2		.2	.4	.2
	V	.4	1.0	.7	.5				.9	.8	.4
AG SCI SUBT	N	96	1.5	4.0	147		2.3	1.2	18	23	
	V	1.1	1.6	7.3	1.5		2.0	1.9	8.1	4.7	15.6
AGRONOMY	N	.9		.5	1.5				.2	.2	
	V	.1			.2				.9	.4	
AG ECON	N	.8	.1	.4	1.3				1.3	.3	
	V	.1	.3	.7	.1				1.4	.6	
FOOD SCI & TECH	N	15	1.3	1.9	28		1.2	.1	1.4	1.7	1
	V	.2	1.0	1.6	.3		1.3	.9	1.8	1.4	3.1
FISH & WILDLIFE	N	.9			.9						
	V	.1			.1						
FORESTRY	N	.6			.6						
	V	.1			.1						
HORTICULTURE	N	12		.4	17		.1				1
	V	.1		.7	.2		.7			.2	3.1
SIOLS&SOIL SCI	N	4		.3	7				.1	.1	
	V			.5	.1				.5	.2	
ANIM SCI & NUTRITION	N	10	.1	.5	17			.1	.2	.3	1
	V	.1	.3	.9	.2			.9	.9	.6	3.1
PHYTOPATHOLOGY	N	14		.6	21				2.5	1.5	1
	V	.2		1.1	.2				2.3	1.0	3.1
AG, GENERAL	N			.1	1						1
	V			.2					.5	.2	
AG, OTHER	N	.9		.3	1.3						1
	V	.1		.5	.1						3.1

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FIELD OF PHD		TOTAL			AMER. INDIAN		ASIAN			BLACK				
		U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL
MED SCI SUBT	N	265	12	23	310	1	7	7	8	22	8		9	
	V	3.1	3.9	4.2	3.1	3.2	4.7	6.5	3.6	4.5	1.6		1.6	
PUBLIC HEALTH	N	67	1	3	73				1	1	2		2	
	V	.8	.3	.5	.7				.5	.2	.4		.4	
VETERINARY MED	N	5		3	8				1	1			1	
	V	.1		.3	.1				.5	.2			.2	
NURSING	N	79	1	4	84		1		1	2	3		3	
	V	.9	.3	.7	.9		.7		.5	.4	.6		.5	
PARASITOLOGY	N	3		1	5				1	1			1	
	V			.2	.1				.5	.2			.2	
ENVRN HEALTH	N	4		1	6		1			1			1	
	V			.2	.1		.7			.2			.2	
PATHOLOGY	N	24		2	27		1			1			1	
	V	.3		.4	.3		.7			.2			.2	
PHARMACOLOGY	N	58	4	4	69		3	4	2	9	3		4	
	V	.7	1.3	.7	.7		2.0	3.7	.9	1.9	.6		.7	
PHARMACY	N	4	5	2	11				3	3			3	
	V		1.6	.4	.1				2.8	.6			.6	
MED SCI, GEN	N	7			8	1	1						1	
	V	.1			.1	3.2	.7			.2			.2	
MED SCI, OTHER	N	14	1	3	19					2			2	
	V	.2	.3	.3	.2					.9			.4	
SOCIAL SCI TOT	N	2078	64	89	2315	6	31	16	32	79	101	2	108	
	V	24.0	20.9	16.2	23.5	19.4	20.8	14.8	14.4	16.3	19.7	11.8	12.5	19.1
ANTHROPOLOGY	N	131	7	9	152		2	1	3	6	5		6	
	V	1.5	2.3	1.6	1.5		1.3	.9	1.4	1.2	1.0		1.1	
COMMUNICATIONS	N	84	3	1	92				1	2	7		7	
	V	1.0	1.0	.2	.9				.9	.5	.4	1.4	1.2	
SOCIOLOGY	N	206	13	17	242		3	3	9	15	9		10	
	V	2.4	4.2	3.1	2.5		2.0	2.8	4.1	3.1	1.8	3.1	1.8	
ECONOMICS	N	72	9	15	100		3	5	4	12	1	1	3	
	V	.8	2.9	2.7	1.0		2.0	4.6	1.8	2.5	.2	5.9	3.1	.5
ECONOMETRICS	N		1		1				1	1			1	
	V		.3						.9	.2			.2	
STATISTICS	N	5		2	7					1			1	
	V	.1		.4	.1					.5			.2	
GEOGRAPHY	N	17		3	20		2		1	3		1	1	
	V	.2		.3	.2		1.3		.5	.6		3.1	.2	

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FIELD OF PHD		TOTAL			AMER.	ASIAN			BLACK				
		U.S.	NON-U.S. PERM.	NON-U.S. TEMP.	INDIAN TOTAL	U.S.	NON-U.S. PERM.	NON-U.S. TEMP.	U.S.	NON-U.S. PERM.	NON-U.S. TEMP.		
AREA STUDIES	N	.5			.5								
	V												
POLITICAL SCI	N	84	4	5	96		3	1	2	7	1	8	
	V	1.0	1.3	.9	1.0		2.0	.9	.9	1.2	1.4	1.4	
PUBLIC ADMIN	N	23		1	27	1				4		4	
	V	.5		.2	.5	3.2				.8		.7	
INT. RELATIONS	N	12			12					1		1	
	V	.1			.1					.2		.2	
CRIMINOLOGY	N	9			9								
	V	.1			.1								
URBAN® PLAN	N	13			17					2		2	
	V	.1			.2					.4		.4	
SOCIAL SCI, GEN	N	5			5								
	V	.1			.1								
SOC SCI, OTHER	N	51	1	4	58		1	1	2	1		1	
	V	.6	.3	.7	.6		.7	.5	.4	.2		.2	
PSYCH SUBTOTAL	N	1361	26	32	1472	5	17	4	10	31		65	
	V	15.7	8.5	5.8	14.9	16.1	11.4	3.7	4.5	6.4	12.5	3.1	11.5
CLINICAL PSYCH	N	541	1	4	555	3	7			7	36	37	
	V	6.2	.3	.7	5.6	9.7	4.7			1.4	7.0	6.6	
COUNSEL & GUID	N	146	8	5	160		3	1	2	6	8	8	
	V	1.7	2.6	.9	1.6		2.0	.9	.9	1.2	1.6	1.4	
DEVEL & GERONT	N	115	3	2	120		1	1	1	3	2	2	
	V	1.3	1.0	.4	1.2		.7	.9	.5	.6	.4	.4	
ED PSYCH	N	74	2	1	77		2	1	1	3	1	1	
	V	.9	.7	.2	.8		1.3	.5	.5	.6	.2	.2	
SCHOOL PSYCH	N	71		1	73		1			1	2	2	
	V	.8		.2	.7		.7			.2	.4	.4	
EXPERIMT PSYCH	N	88	3	2	93			1	1	2		2	
	V	1.0	1.0	.4	.9			.9	.5	.4			
COMPARATIVE	N	3			3								
	V												
PHYSIOLOGICAL	N	32	1	1	34								
	V	.4	.3	.2	.5								
INDUST&PERSON.	N	20	1	1	22	1				1		1	
	V	.2	.3	.2	.2	3.2				.2		.2	
PERSONALITY	N	25		1	26					1		1	
	V	.3		.2	.3					.2		.2	

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FIELD OF PHD		TOTAL			AMER. INDIAN		ASIAN			BLACK				
		U.S.	NON-U.S. PERM. TEMP.	U.S.	TOTAL	U.S.	NON-U.S. PERM. TEMP.	TOTAL	U.S.	NON-U.S. PERM. TEMP.	TOTAL			
PSYCHOMETRICS	N	.9		.1	10									
	V	.1		.2	.1			.5		.2				
SOCIAL PSYCH	N	67	3	4	76									
	V	.8	1.0	.7	.8			.1		.1	.3		.3	
PSYCH, GEN	N	93	3	6	135									
	V	1.1	1.0	1.1	1.4			.1	.1	.3	1.5	1.6	1.6	
PSYCH, OTHER	N	77	1	3	88	1								
	V	.9	.3	.5	.9	3.2	1.3			.2	.4	.8	.7	
HUMANITIES TOT	N	1334	72	71	1547	4	14	8	24	46	41	3	1	45
	V	15.4	23.5	12.9	15.7	12.9	9.4	7.4	10.8	9.5	8.0	17.6	3.1	8.0
ART, HIST&CRIT	N	104		3	112									
	V	1.2		.5	1.1		1.3		.5	.3	.1			.2
HIST, AMERICAN	N	55		1	56									
	V	.6		.2	.6		.7			.1	.4			.7
HIST, EUROPEAN	N	43			45									
	V	.5	.2		.5									
HISTORY, OTHER	N	70		4	88									
	V	.8	2.0	.7	.9			1.2	.5	.3	1.6			1.6
HIST&PHIL/SCI	N	4		1	5									
	V			.2	.1									
AMERICAN STUD.	N	43		1	45		1							
	V	.5		.2	.5		.7			.1	.3			.3
THEATRE	N	30		1	32									
	V	.3		.2	.3						.2			.4
MUSIC	N	84	4	6	108		1	3	2	6	2			2
	V	1.0	1.3	1.1	1.1		.7	2.8	.9	1.2	.4			.4
SPCH AS DR ART	N	10			12									
	V	.1			.1									
ARCHEOLOGY	N	11	1		13									
	V	.1	.3		.1									
RELIGION	N	26	1	2	29				1	1	1			1
	V	.3	.3	.4	.3				.5	.2	.2			.2
PHILOSOPHY	N	51		1	53	1								1
	V	.6		.2	.5	3.2			.5	.2	.1			.2
LINGUISTICS	N	55	1	17	78		1						1	3
	V	.6	.3	3.1	.8		.7		3.2	1.6	.4		3.1	.5
COMPARATIVE LIT	N	57		3	74	1								
	V	.7	2.0	.5	.7	3.2					.2			.4

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FIELD OF PHD		TOTAL			AMER.	ASIAN			BLACK				
		U.S.	NON-U.S. PERM.	NON-U.S. TEMP.	INDIAN	U.S.	NON-U.S. PERM.	NON-U.S. TEMP.	U.S.	NON-U.S. PERM.	NON-U.S. TEMP.		
HUMANITIES, GEN	N	.8	.1	.9	.1								
	V	.1	.3	.4	3.2								
HUMANITIES, OTR	N	19	2	21						.1		.1	
	V	.2	.7	.9	.2					.2		.2	
LANG & LIT SBT	N	664	48	712	766	3.1	5.8	2.3	11	22	16	3	19
	V	7.7	15.7	23.4	7.8	3.2	5.4	2.8	5.0	4.5	3.1	17.6	3.4
AMERICAN L&L	N	77		77	80				.2	.2	.8		.8
	V	.9		.9	.8				.9	.4	1.6		1.4
ENGLISH L&L	N	313	7	320	343	3.1	3.5		7	12	5		5
	V	3.6	2.3	5.9	3.5	3.2	3.4		3.2	2.5	1.0		.9
GERMAN L&L	N	34	10	44	49								
	V	.4	3.3	3.7	.5								
RUSSIAN L&L	N	13		13	13								
	V	.1		.1	.1								
FRENCH L&L	N	93	20	113	118			.1		.1	.3	3	6
	V	1.1	6.5	7.6	1.2			.9		.2	.6	17.6	1.1
SPAN & PORT L&L	N	82	5	87	93				1	3			
	V	.9	1.6	2.5	.9		1.3		.5	.6			
ITALIAN L&L	N	8	1	9	9								
	V	.1	.3	.4	.1								
CLASSICAL L&L	N	22		22	24								
	V	.3		.3	.2								
OTHER LANG	N	22	5	27	37			.1	1	4			
	V	.3	1.6	1.9	.4		.7	1.9	.5	.8			
PROF FLDS TOT	N	383	5	388	424	6.5	5.8	1.9	10	20	35	1	39
	V	4.4	1.6	6.0	4.3	6.5	5.4	1.9	4.5	4.1	6.8	5.9	6.9
THEOLOGY	N	19		19	22								
	V	.2		.2	.2								
BUSINESS ADMIN	N	80	2	82	90			.1	4	7	4		4
	V	.9	.7	1.6	.9		1.3	.9	1.8	1.4	.8		.7
HOME ECONOMICS	N	64		64	70				2	2		1	2
	V	.7		.7	.7				.9	.4		3.1	.4
JOURNALISM	N	5		5	6				1	1			
	V	.1		.1	.1				.5	.2			
SPEECH&HEARING	N	83	1	84	84					1	9		9
	V	1.0	.3	1.3	.9		.7			.2	1.8		1.6

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FIELD OF PHD		TOTAL			AMER. INDIAN	ASIAN			BLACK			TOTAL
		U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	U.S.	NON-U.S. PERM.	U.S. TEMP.	
LAW, JURISPRUD	N			1	1						1	1
	V			.2							3.1	.2
SOCIAL WORK	N	98	2	4	110	4	1	3	8	16	1	17
	V	1.1	.7	.7	1.1	2.7	.9	1.4	1.6	3.1	5.9	3.0
LIB & ARCH SCI	N	31		7	38	1			1	5	1	6
	V	.4		1.3	.4	.7			.2	1.0	3.1	1.1
PROF FLD, OTHER	N	3			3							
	V											
EDUCATION TOT	N	3229	48	129	3534	17	42	12	52	107	296	317
	V	37.2	15.7	23.5	35.8	54.8	28.2	11.1	23.4	22.0	57.8	56.2
FOUNDNS-S&P	N	72	4	6	87		3	2	3	8	5	6
	V	.8	1.3	1.1	.9		2.0	1.9	1.4	1.6	1.0	1.1
ED PSYCH	N	219	4	8	236	1	5	1	3	9	11	11
	V	2.5	1.3	1.5	2.4	3.2	3.4	.9	1.4	1.9	2.1	2.0
ELEMNT ED, GEN	N	108		2	120	1	1			1	7	7
	V	1.2		.4	1.2	3.2	.7			.2	1.4	1.2
SECONDY ED, GEN	N	48	1	6	60		1		4	5	5	9
	V	.6	.3	1.1	.6		.7		1.8	1.0	1.0	.9
HIGHER ED	N	263	4	12	279	1	6		5	11	32	34
	V	3.0	1.3	2.2	2.8	3.2	4.0		2.3	2.3	6.3	6.0
ADULT ED(919)	N	104	1	1	108						9	11
	V	1.2	.3	.2	1.1						1.8	2.0
ED MEAS & STAT	N	37	1	3	41	1	1			2		
	V	.4	.3	.5	.4	3.2	.7	.9		.4		
CURRIC & INSTR	N	424	3	18	448	2	5	1	4	11	38	42
	V	4.9	1.0	3.3	4.5	6.5	3.4	.9	1.8	2.3	7.4	7.4
EDUC ADMIN&SUP	N	588	2	13	614	5	4		8	12	104	107
	V	6.8	.7	2.4	6.2	16.1	2.7		3.6	2.5	20.3	19.0
GUIDANCE (940)	N	242	1	5	253	1	2		2	4	11	12
	V	2.8	.3	.9	2.6	3.2	1.3		.9	.8	2.1	2.1
SPECIAL ED	N	188	2	4	195	1	2		1	3	7	8
	V	2.2	.7	.7	2.0	3.2	1.3		.5	.6	1.4	1.4
AUDIO-VIS MED	N	23	1	5	29		1	1	3	5		
	V	.3	.3	.9	.3		.7	.9	1.4	1.0		
EDUCATION, GEN	N	122	6	10	202	2	5	1	5	8	10	10
	V	1.4	2.0	1.8	2.0	6.5	1.3	.9	2.3	1.6	2.0	1.8
ED, OTHER	N	95	2	3	102	1	4	1	2	7	8	8
	V	1.1	.7	.5	1.0	3.2	2.7	.9	.9	1.4	1.6	1.4

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FIELD OF PHD		TOTAL			AMER.	ASIAN			BLACK					
		U.S.	NON-U.S. PERM.	NON-U.S. TEMP.	INDIAN TOTAL	U.S.	NON-U.S. PERM.	NON-U.S. TEMP.	U.S.	NON-U.S. PERM.	NON-U.S. TEMP.	TOTAL		
TEACH FLDS SBT	N	696	16	33	760	1	5	4	12	21	49	5	2	56
	V	8.0	5.2	6.0	7.7	3.2	3.4	3.7	5.4	4.3	9.6	29.4	6.3	9.9
AGRICULTURE	N	3		1	4								3.1	1
	V			.2										.2
ART	N	34	1	1	36									
	V	.4	.3	.2	.4									
BUSINESS	N	20		2	22				1	1				
	V	.2		.4	.2				.5	.2				
EARLY CHILDHOOD	N	72		2	79	3.1	1			1	9			9
	V	.8		.4	.8	3.2	.7			.2	1.8			1.6
ENGLISH	N	36		2	39				1	3				3
	V	.4		.4	.4		1.3		.5	.6	.6			.5
FOREIGN LANG	N	14	1	2	18			1	2	3				
	V	.2	.3	.2	.2			.9	.9	.6				
HOME ECONOMICS	N	20	2	3	25			1	1	2	4	5.1	3.1	6
	V	.2	.7	.5	.3			.9	.5	.4	.8	5.9	3.1	1.1
INDUST ARTS	N	2			2									
	V													
MATHEMATICS	N	24		1	25				1	1				
	V	.3		.2	.3				.5	.2				
MUSIC	N	23		2	28				1	1				
	V	.3		.4	.3				.5	.2				
NURSING	N	21	1	1	23		1		1	2	1			1
	V	.2	.3	.2	.2		.7		.5	.4	.2			.2
PHYS ED (988)	N	136	6	7	149					7	2			9
	V	1.6	2.0	1.3	1.5					1.4	11.8			1.6
READING	N	147	1	4	157				2	2				7
	V	1.7	.3	.7	1.6				.9	.4	1.2	5.9		1.2
SCIENCE ED	N	29	2	5	36			1	2	3	7	5.1		8
	V	.3	.7	.9	.4			.9	.9	.6	1.4	5.9		1.4
SOCIAL SCI ED	N	15			15					3				3
	V	.2			.2					.6				.5
SPEECH ED	N	8	1		9					1				1
	V	.1	.3		.1					.2				.2
VOCATIONAL ED	N	77	1		78			1		1	7			7
	V	.9	.3		.8			.9		.2	1.4			1.2
OTHR TEACH FLD	N	15			15		1			1	1			1
	V	.2			.2		.7			.2	.2			.2

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FIELD OF PHD	N	TOTAL		AMER.	ASIAN		BLACK		TOTAL
		U.S.	NON-U.S.	INDIAN	U.S.	NON-U.S.	U.S.	NON-U.S.	
		PERM.	TEMP.	TOTAL	PERM.	TEMP.	PERM.	TEMP.	
OTHER/UNSP FLD	V	6	2	8	1	1	1	1	2
		.1	.4	.1	.2		3.1		.4

*AND SEX - PART I
SEX - TOTAL, MALE AND FEMALE

FIELD OF PHD		TOTAL			AMER. INDIAN	ASIAN			BLACK			TOTAL		
		U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	U.S.	NON-U.S. PERM.	U.S. TEMP.			
TOTAL ALL FIELDS	N	24990	1272	3924	31319	89	460	602	1559	2704	1007	97	370	1483
	V													
PHYSICAL SCI SBT	N	3067	224	749	4168	2	71	143	387	629	31	8	30	69
	V	12.3	17.6	19.1	13.3	2.2	15.4	23.8	24.8	23.3	3.1	8.2	8.1	4.7
MATH SUBTOTAL	N	480	43	186	728	1	20	20	81	126	7	2	9	18
	V	1.9	3.4	4.7	2.3	1.1	4.3	3.3	5.2	4.7	.7	2.1	2.4	1.2
ALGEBRA	N	35	5	14	54			2	6	8			2	2
	V	.1	.4	.4	.2			.3	.4	.3			.5	.1
ANALYSIS (010)	N	71	4	30	105		2	2	9	13	3		1	4
	V	.3	.3	.8	.3		.4	.3	.6	.5	.3		.3	.3
GEOMETRY	N	25	2	2	29		1	1	1	3				
	V	.1	.2	.1	.1		.2	.2	.1	.1				
LOGIC	N	17		1	18									
	V	.1		.1	.1									
NUMBER THEORY	N	20	1	3	24			1	2	3				
	V	.1	.1	.1	.1			.2	.1	.1				
PROB, MATH STAT	N	101	11	50	163		6	4	27	38	2	1	3	6
	V	.4	.9	1.3	.5		1.3	.7	1.7	1.4	.2	1.0	.8	.4
TOPOLOGY	N	44	1	10	55		1		5	6				
	V	.2	.1	.3	.2		.2		.3	.2				
COMPUTING THRY	N	11	2	3	16		1	1		2				
	V	.1	.2	.1	.1		.2	.2		.1				
OPERATIONS RES	N	16	4	13	35			1	8	10	1	1	1	3
	V	.1	.3	.3	.1			.2	.5	.4	.1	1.0	.3	.2
APPLIED MATH	N	83	7	27	118		8	3	12	23			1	1
	V	.3	.6	.7	.4		1.7	.5	.8	.9			.3	.1
MATH, GEN	N	37	4	24	80	1	1	3	7	14	1		1	2
	V	.1	.3	.6	.3	1.1	.2	.5	.4	.5	.1		.3	.1
MATH, OTHER	N	20	2	9	31			2	4	6				
	V	.1	.2	.2	.1			.3	.3	.2				
COMPUTER SCI SUBT	N	168	20	40	232		4	12	12	28	2		1	3
	V	.7	1.6	1.0	.7		.9	2.0	.8	1.0	.2		.3	.2
PHYS & AST SUBT	N	715	53	200	1015		19	36	121	187	6			6
	V	2.9	4.2	5.1	3.2		4.1	6.0	7.8	6.9	.6			.4

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FIELD OF PHD		TOTAL			AMER.	ASIAN			BLACK			TOTAL		
		U.S.	NON-U.S.	U.S.	TOTAL	U.S.	NON-U.S.	U.S.	NON-U.S.	U.S.				
		PERM.	TEMP.	TEMP.		PERM.	TEMP.	PERM.	TEMP.	PERM.	TEMP.			
ASTRONOMY	N	43	1	5	50			1				1		
	V	.2	.1	.1	.2			.1						
ASTROPHYSICS	N	53	3	3	59		1	1	2	1		1		
	V	.2	.2	.1	.2		.2	.1	.1	.1		.1		
ATOMIC & MOLEC	N	51	2	11	65		1	7	10	1		1		
	V	.2	.2	.3	.2	.4	.2	.4	.4	.1		.1		
ACOUSTICS	N	10	2	1	13			2						
	V		.2				.3		.1					
FLUIDS	N	8	1	5	14		1	2	3					
	V		.1	.1			.2	.1	.1					
PLASMA PHYSICS	N	54	1	10	65		1	6	10	1		1		
	V	.2	.1	.3	.2	.7	.2	.4	.4	.1		.1		
OPTICS	N	37	4	11	54		1	3	6					
	V	.1	.3	.3	.2	.2	.5	.4	.4					
THERMAL PHYS	N	3	1	3	7		1	2	3					
	V		.1	.1			.2	.1	.1					
ELEMENT PART	N	90	6	21	117		1	3	9	1		1		
	V	.4	.5	.5	.4	.2	.5	.6	.5	.1		.1		
NUCLEAR STRUCT	N	45	1	16	62		1	11	12					
	V	.2	.1	.4	.2		.2	.7	.4					
SOLID STATE	N	180	13	56	250		7	8	38					
	V	.7	1.0	1.4	.8	1.5	1.3	2.4	2.0					
PHYSICS, GEN	N	68	15	48	172		4	11	30	2		2		
	V	.3	1.2	1.2	.5	.9	1.8	1.9	2.1			.1		
PHYSICS, OTHER	N	73	3	10	87		1	3	8					
	V	.3	.2	.3	.3	.2	.5	.5	.4					
CHEMISTRY SUBT	N	1233	93	238	1611	1	25	66	152	254	13	5	12	30
	V	4.9	7.3	6.1	5.1	1.1	5.4	11.0	9.7	9.4	1.3	5.2	3.2	2.0
ANALYTICAL CH	N	201	8	20	229	1	3	5	12	20		1	1	
	V	.8	.6	.5	.7	1.1	.7	.8	.8	.7		1.0	.1	
INORGANIC CHEM	N	162	6	18	188		4	3	12	19		2	5	
	V	.6	.5	.5	.6		.9	.5	.8	.7	.3	2.1	.3	
ORGANIC CHEM	N	394	33	62	490		6	24	42	72		7	10	
	V	1.6	2.6	1.6	1.6		1.3	4.0	2.7	2.7	.3	1.9	.7	
NUCLEAR CHEM	N	11		1	12									
	V													
PHYSICAL CHEM	N	226	13	35	275		4	9	15	29			4	
	V	.9	1.0	.9	.9		.9	1.5	1.0	1.1	.2	.5	.3	

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FIELD OF PHD		TOTAL			AMER. INDIAN	ASIAN			BLACK				
		U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL
THEORETICAL CH	N	26	.1	.6	33	1		.4	.5				
	V	.1		.2	.1	.2		.3	.2				
PHARMACEUTICAL	N	39	.5	.7	52		.3	.2	.5	.1		.1	.2
	V	.2	.4	.2	.2		.5	.1	.2	.1		.3	.1
POLYMER CHEM	N	27	12	22	61				11	19			33
	V	.1	.9	.6	.2	.7	1.8	1.2	1.2	1.2			3.3
CHEMISTRY, GEN	N	92	.8	56	197	.2	.4	40	55	.4	2.2	.1	.7
	V	.4	.6	1.4	.6	.4	.7	2.6	2.0	.4	2.1	.3	.5
CHEM, OTHER	N	55	.7	11	74	.2	1.7	.6	16			.1	.1
	V	.2	.6	.3	.2	.4	1.2	.4	.6			.3	.1
EARTH, EN&MAR SCI SBT	N	471	15	85	582	.3	.9	21	34	.3	1.0	2.8	12
	V	1.9	1.2	2.2	1.9	.7	1.5	1.3	1.3	.3	1.0	2.2	.8
MINERAL, PETROL	N	27		.3	30								
	V	.1		.1	.1								
GEOCHEMISTRY	N	45	.2	.1	48		.1	.1	.2				.1
	V	.2	.2		.2		.2	.1	.1				
STRATIG, SEDIM	N	37		.5	42				1				1
	V	.1		.1	.1				.1				
PALEONTOLOGY	N	19			19								
	V	.1			.1								
STRUCTURAL GEOLOGY	N	27			27								
	V	.1			.1								
GEOPHYSICS SE	N	53	.5	12	72		.4	.4	.9	.1		.3	.4
	V	.2	.4	.3	.2		.7	.3	.3	.1		.8	.3
GEOMORPH (350)	N	12		1	13								
	V												
HYDROLOGY	N	12		.8	21			.1	1			.1	.1
	V			.2	.1			.1				.3	.1
OCEANOGRAPHY	N	62	.1	.6	70	.1	.1		.2				
	V	.2	.1	.2	.2	.2	.2		.1				
MARINE SCI, OTHER	N	27		.3	30			.2	.2				
	V	.1		.1	.1			.1	.1				
ATMOS PHY&CHEM	N	14		1	15			.1	1	.1			.1
	V	.1						.1		.1			
ATMOS DYNAMICS	N	22	.1	.4	27	.1	.1	.2	.4				
	V	.1	.1	.1	.1	.2	.2	.1	.1				
ATMOS SCI, OTHR	N	19		12	31	.1		.5	.6				
	V	.1		.3	.1	.2		.3	.2				

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FIELD OF PHD		TOTAL			AMER. INDIAN		ASIAN			BLACK			TOTAL	
		U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	U.S.	NON-U.S. PERM.	U.S. TEMP.			
ENV SCI, GEN	N	26	.1	.1	.3	30								
	V	.1				.1		.1	.1	.1		.1		.2
ENV SCI, OTHR	N	17	.1	.1	.6	24								
	V	.1			.2	.1			.2	.2		1.0	.1	.2
APPL GEO (391)	N	15	.1	.1	.4	21								
	V	.1			.1	.1							.3	.1
EARTH SCI, GEN	N	26	.1	.2	12	46								
	V	.1		.2	.3	.1		.1	.2	.1			.3	.1
EARTH SCI, OTHR	N	11		.1	.4	16								
	V			.1	.1	.1								
ENGINRNG TOTAL	N	1169	298	943	2528	4	77	205	495	804	16	3	39	59
	V	4.7	23.4	24.0	8.1	4.5	16.7	34.1	31.8	29.7	1.6	3.1	10.5	4.0
AERONAUT&ASTRO	N	50	.6	.3	97									
	V	.2	.5	.9	.3		.4	.7	1.2	.9			.1	.1
AGRICULTRL ENG	N	18	.3	.4	62									
	V	.1	.2	1.0	.2		.2	.3	1.0	.7			1.4	.3
BIOMEDICAL ENG	N	48	.9	.6	63									
	V	.2	.7	.2	.2			1.0	.3	1.0	.1			.1
CIVIL ENG	N	105	34	135	287	1	7	19	53	81				
	V	.4	2.7	3.4	.9	1.1	1.5	3.2	3.4	3.0	.2	1.0	1.1	.5
CHEMICAL ENG	N	128	43	112	296									
	V	.5	3.4	2.9	.9		.7	6.5	4.0	3.9	.2		.3	.2
CERAMIC ENG	N	11	.5	.8	24									
	V		.4	.2	.1			.5	.4	.3				
COMPUTER ENG	N	29	.17	.24	71									
	V	.1	1.3	.6	.2		.7	2.2	.9	1.1				
ELECTRICAL ENG	N	201	50	134	411									
	V	.8	3.9	3.4	1.3		3.9	5.3	4.9	5.0	.6		.8	.6
ELECTRONICS EN	N	45	.6	.15	67									
	V	.2	.5	.4	.2		.4	.7	.4	.5	.1			.1
INDUSTRIAL ENG	N	35	.7	.20	66									
	V	.1	.6	.5	.2		.7	.3	.6	.6			.5	.1
NUCLEAR ENG	N	61	14	49	130									
	V	.2	1.1	1.2	.4		.9	1.8	1.2	1.3	.1		.5	.2
ENGINEER. MECH	N	38	.7	.30	78									
	V	.2	.6	.8	.2		.4	.8	1.3	1.0	.1		.5	.2
ENGINEER. PHYS	N	12	.3	.7	22									
	V		.2	.2	.1		.2	.3	.1	.2				

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FIELD OF PHD		TOTAL			AMER. INDIAN		ASIAN			BLACK			TOTAL	
		U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	U.S.	NON-U.S. PERM.	U.S. TEMP.			
MECHANICAL ENG	N	119	37	114	282	2	11	25	66	105	1		9	
	V	.5	2.9	2.9	.9	2.2	2.4	4.2	4.2	3.9	.1	2.8	.6	
METALURGY(475)	N	33	13	50	99	1	6	9	35	50		2	2	
	V	.1	1.0	1.3	.3	1.1	1.3	1.5	2.2	1.8		.5	.1	
SYS DESGN(476)	N	32	7	27	68		1	2	14	17		1	1	
	V	.1	.6	.7	.2		.2	.3	.9	.6	1.0		.1	
OPERATIONS RES	N	40	9	31	80		2	8	17	27		2	2	
	V	.2	.7	.8	.3		.4	1.3	1.1	1.0		.5	.1	
FUEL TECH(479)	N	3	3	13	21			2	2	5		1	5	
	V		.2	.3	.1			.3	.1	.2	1.0	1.4	.6	
SANI. & ENV	N	52	1	17	71		2		10	12	1		2	
	V	.2	.1	.4	.2		.4		.6	.4	.1		.1	
MINING ENG	N	4		1	8			1		1				
	V		.2					.2						
MATERIALS SCI	N	55	18	35	113		6	12	25	46		1	1	
	V	.2	1.4	.9	.4		1.3	2.0	1.6	1.7		.3	.1	
ENG, GENERAL	N	12	3	8	37		1	2	4	12				
	V		.2	.2	.1		.2	.3	.3	.4				
ENG, OTHER	N	38	1	31	75		2	1	14	17		1	1	
	V	.2	.1	.8	.2		.4	.2	.9	.6		.3	.1	
LIFE SCI TOTAL	N	4387	204	728	5461	11	107	105	262	483	63	17	93	177
	V	17.6	16.0	18.6	17.4	12.4	23.3	17.4	16.8	17.9	6.3	17.5	25.1	11.9
BIOSCIENCES SUBT	N	2947	111	252	3397	6	81	55	103	245	40	7	23	72
	V	11.8	8.7	6.4	10.8	6.7	17.6	9.1	6.6	9.1	4.0	7.2	6.2	4.9
BIOCHEMISTRY	N	553	31	43	644	1	16	21	26	68	8	1	5	11
	V	2.2	2.4	1.1	2.1	1.1	3.5	3.5	1.7	2.5	.8	1.0	.5	.7
BIOPHYSICS	N	79	6	13	99			3	4	7				
	V	.3	.5	.3	.3			.5	.3	.3				
BIOMET, BIOSTAT	N	40		7	48		2		1	3		1	1	
	V	.2		.2	.2		.4		.1	.1		.3	.1	
ANATOMY	N	145	3	4	156		3		1	4	1		1	
	V	.6	.2	.1	.5		.7		.1	.1	.1		.2	
CYTOLOGY	N	41	1	4	47				1	1		1	2	
	V	.2	.1	.1	.2				.1	.1	1.0	.3	.1	
EMBRYOLOGY	N	19		1	20		1			1			3	
	V	.1			.1		.2				.3		.2	

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FIELD OF PHD		TOTAL			AMER. INDIAN		ASIAN			BLACK				
		U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	
IMMUNOLOGY	N	138	.4	.6	149									
	V	.6	.3	.2	.5		1.5	.7	.4	.3	.2		.1	.3
BOTANY	N	126	.2	.12	147	1.1	.2	.1	.1	.4	.1			.1
	V	.5	.2	.3	.5		.4	.2	.1	.1	.1			.1
ECOLOGY	N	182	.2	.10	197									.2
	V	.7	.2	.3	.6		.7	.1	.1	.5				.1
MICROBIO & BACT	N	301	13	32	353	1.1	.9	.7	13	29	.5	2.1	1.5	12
	V	1.2	1.0	.8	1.1	1.1	2.0	1.2	.8	1.1	.5	2.1	1.4	1.8
ANIMAL PHYSIOL	N	302	.9	.14	327	1.1	.8	.5	.6	16	.2		.5	.4
	V	1.2	.7	.4	1.0	1.1	1.7	.5	.4	.6	.2		.5	.5
PLANT PHYS	N	53	.3	.11	68									.1
	V	.2	.3	.3	.2			.5	.4	.3			.5	.2
ZOOLOGY	N	178	.2	.11	197									.4
	V	.7	.2	.3	.6		.7		.3	.7	.3		.3	.3
GENETICS	N	137	.3	.15	157									
	V	.5	.2	.4	.5		.7	.3	.1	.6				
ENTOMOLOGY	N	108	.7	.26	143	1.1	.7	.2	10	19			.3	.3
	V	.4	.6	.7	.5	1.1	1.5	.3	.6	.7			.8	.2
MOLECULAR BIO	N	167	.7	.7	185									.2
	V	.7	.6	.2	.6		.4	.5	.6	11	.3			.2
NUTRITION/DIET	N	76	.5	.14	99	1.1	.2	.2	.5	9	.6	1.0	.4	11
	V	.3	.4	.4	.3	1.1	.4	.3	.3	.3	.6	1.0	1.1	.7
BIO SCI, GEN	N	169	.8	.13	207									.5
	V	.7	.6	.3	.7		2.2	.7	.6	.9	.4	1.0		.3
BIO SCI, OTHER	N	133	.5	.9	154									.3
	V	.5	.4	.2	.5		.7	.2	.3	.3	.2	1.0		.2
AG SCI SUBT	N	685	46	388	1150	2	.9	20	128	159	12	6.6	56	75
	V	2.7	3.6	9.9	3.7	2.2	2.0	3.3	8.2	5.9	1.2	6.2	15.1	5.1
AGRONOMY	N	109	.4	.60	177								.10	10
	V	.4	.3	1.5	.6		.4	.2	1.0	.7			2.7	.7
AG ECON	N	91	12	.64	168	1.1	.1	.3	24	28	.3	4.4	.9	16
	V	.4	.9	1.6	.5	1.1	.2	.5	1.5	1.0	.3	4.1	2.4	1.1
ANIMAL HUSBAND	N	14	.1	.4	19									
	V	.1	.1	.1	.1			.2	.3	.2				
FOOD SCI & TECH	N	47	.6	.49	104								.5	.6
	V	.2	.5	1.2	.3		.9	.3	1.3	1.0	.1		1.4	.4
FISH & WILDLIFE	N	62		.2	66									
	V	.2		.1	.2				.1	1				

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FIELD OF PHD		TOTAL			AMER. INDIAN		ASIAN			BLACK			
		U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL
FORESTRY	N	67	3	21	95								
	V	.3	.2	.5	.3	.2	.3	.5	.4	.1	1.0	.5	.3
HORTICULTURE	N	43	5	32	85								
	V	.2	.4	.8	.3	.2	.3	.6	.5		1.0	1.1	.5
SOILS&SOIL SCI	N	44	4	39	90								
	V	.2	.3	1.0	.3		.3	.9	.6	.3		1.4	.5
ANIM SCI & NUTRITION	N	84	5	54	149	1							
	V	.3	.4	1.4	.5	1.1	.7	.4	.4	.2		3.2	1.0
PHYTOPATHOLOGY	N	68	3	27	99								
	V	.3	.2	.7	.3		.3	1.5	.6	.1		.3	.4
AG, GENERAL	N	1		4	5								
	V			.1				.1	1			.3	.1
AG, OTHER	N	55	3	32	93								
	V	.2	.2	.8	.3		.2	.5	.3	.1		1.6	.5
MED SCI SUBT	N	755	47	88	914	3							
	V	3.0	3.7	2.2	2.9	3.4	3.7	5.0	2.0	2.9	1.1	4.4	3.8
PUBLIC HEALTH	N	136	4	13	155								
	V	.5	.3	.3	.5		.2	.2	.1	.1	.3	1.0	.3
VETERINARY MED	N	24	1	14	41								
	V	.1	.1	.4	.1				.6	.2		.3	.1
NURSING	N	82	1	4	87								
	V	.3	.1	.1	.3		.2		.1	.1	.3		.3
PARASITOLOGY	N	14		3	18								
	V	.1		.1	.1				.1	1		.5	.2
ENVRN HEALTH	N	35	3	3	43	1							
	V	.1	.2	.1	.1	1.1	.2			1	.1	2.1	.3
PATHOLOGY	N	83	2	16	106								
	V	.3	.2	.4	.3		.4	.3	.3			.3	.1
PHARMACOLOGY	N	248	11	16	280								
	V	1.0	.9	.4	.9		1.5	1.5	.6	1.0	.3		.5
PHARMACY	N	42	20	6	69								
	V	.2	1.6	.2	.2		.9	2.7	.1	.8	.1	1.0	.5
MED SCI, GEN	N	23			24	1							
	V	.1			.1	1.1	.2			1			
MED SCI, OTHER	N	68	5	13	91	1							
	V	.3	.4	.3	.3	1.1		.3	.4	.3			

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FIELD OF PHD		TOTAL			AMER. INDIAN		ASIAN			BLACK			TOTAL	
		U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	U.S.	NON-U.S. PERM.	U.S. TEMP.			
SOCIAL SCI TOT	N	5461	201	572	6505	14	78	57	173	314	197	26	65	291
	V	21.9	15.8	14.6	20.8	15.7	17.0	9.5	11.1	11.6	19.6	26.8	17.6	19.6
ANTHROPOLOGY	N	319	10	25	369	1	3	1	6	10	7		2	10
	V	1.3	.8	.6	1.2	1.1	.7	.2	.4	.4	.7		.5	.7
COMMUNICATIONS	N	190	8	16	221			5	4	9	10		2	19
	V	.8	.6	.4	.7			.3	.3	.3	1.0		2.2	1.3
SOCIOLOGY	N	493	27	69	603		10	24	43	21	4		10	35
	V	2.0	2.1	1.8	1.9		2.2	1.3	1.5	1.6	2.1	4.1	2.7	2.4
ECONOMICS	N	521	54	199	807	2	13	19	67	100	10	6	15	32
	V	2.1	4.2	5.1	2.6	2.2	2.8	3.2	4.3	3.7	1.0	6.2	4.1	2.2
ECONOMETRICS	N	7	5	5	17			3	2	5			1	1
	V	.4	.4	.1	.1			.5	.1	.2			.3	.1
STATISTICS	N	18	2	18	39		2	1	9	13			1	1
	V	.1	.2	.5	.1		.4	.2	.6	.5			.3	.1
GEOGRAPHY	N	83	2	20	109		3	1	3	7	2		1	8
	V	.3	.2	.5	.3		.7	.2	.2	.3	.2		1.6	.5
AREA STUDIES	N	12	1	5	20		1		3	4		1		1
	V		.1	.1	.1		.2		.2	.1		1.0		.1
POLITICAL SCI	N	348	25	52	445		9	16	14	31	18	7	1	31
	V	1.4	2.0	1.3	1.4		2.0	1.0	1.9	1.1	1.8	7.2	1.6	2.1
PUBLIC ADMIN	N	105	2	18	147	1	2	1	6	9			3	12
	V	.4	.2	.5	.5	1.1	.4	.2	.4	.3	.9		.6	.8
INT. RELATIONS	N	60	4	16	87			1	4	6	2	2	1	8
	V	.2	.3	.4	.3			.2	.3	.2	.2	2.1	1.1	.5
CRIMINOLOGY	N	32	2		35									
	V	.1	.2		.1									
URBAN® PLAN	N	50	6	26	94		1	1	10	12	2	2	1	10
	V	.2	.5	.7	.3		.2	.2	.6	.4	.2	2.1	1.6	.7
SOCIAL SCI, GEN	N	16		4	22				1	1	1			1
	V	.1		.1	.1				.1	.1	.1			.1
SOC SCI, OTHER	N	101	6	19	133		1	2	5	8	4	2		6
	V	.4	.5	.5	.4		.2	.3	.3	.3	.4	2.1		.4
PSYCH SUBTOTAL	N	3106	47	80	3357	10	33	18	15	56	111	2	3	116
	V	12.4	3.7	2.0	10.7	11.2	7.2	1.3	1.0	2.1	11.0	2.1	.8	7.8
CLINICAL PSYCH	N	1210	8	13	1256	5	12	1	2	15	54	1	1	56
	V	4.8	.6	.3	4.0	5.6	2.6	.2	.1	.6	5.4	1.0	.3	3.8
COUNSEL & GUID	N	331	9	10	351		4	2	2	8	17			17
	V	1.3	.7	.3	1.1		.9	.3	.1	.3	1.7			1.1

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FIELD OF PHD		TOTAL			AMER. INDIAN		ASIAN			BLACK			TOTAL
		U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	U.S.	NON-U.S. PERM.	U.S. TEMP.		
DEVEL & GERONT	N	194	3	3	200								2
	V	.8	.2	.1	.6		.2	.1	.1	.3	.2		.1
ED PSYCH	N	170	4	4	180	1	2		1	3	2		2
	V	.7	.3	.1	.6	1.1	.4		.1	.1	.2		.1
SCHOOL PSYCH	N	130		1	133		1			1	2		2
	V	.5			.4		.2				.2		.1
EXPERIMT PSYCH	N	267	4	9	282	1	2	2	3	7	3		3
	V	1.1	.3	.2	.9	1.1	.4	.3	.2	.3	.3		.2
COMPARATIVE	N	11			11								
	V												
PHYSIOLOGICAL	N	96	2	3	102		3			3	1		1
	V	.4	.2	.1	.3		.7			.1	.1		.1
INDUST&PERSON.	N	83	2	2	87	1		1		1	4		4
	V	.3	.2	.1	.3	1.1		.2			.4		.3
PERSONALITY	N	48		1	49		1			1	3		3
	V	.2			.2		.2				.3		.2
PSYCHOMETRICS	N	24		3	27				1	1			1
	V	.1		.1	.1				.1				.1
SOCIAL PSYCH	N	166	4	7	180		1		1	2	9		10
	V	.7	.3	.2	.6		.2		.1	.1	.9		.7
PSYCH, GEN	N	202	7	10	283		2	1	3	6	8	1	9
	V	.8	.6	.3	.9		.4	.2	.2	.2	.8	1.0	.6
PSYCH, OTHER	N	174	4	14	216	2	4		1	5	6		6
	V	.7	.3	.4	.7	2.2	.9		.1	.2	.6		.4
HUMANITIES TOT	N	3210	148	234	3745	12	33	23	69	130	84	9	17
	V	12.8	11.6	6.0	12.0	13.5	7.2	3.8	4.4	4.8	8.3	9.3	4.6
ART, HIST&CRIT	N	142	1	8	157		2		2	4	2		3
	V	.6	.1	.2	.5		.4		.1	.1	.2		.2
HIST, AMERICAN	N	220	2	5	227		2		2	13	1		14
	V	.9	.2	.1	.7		.4		.1	1.3	.3		.9
HIST, EUROPEAN	N	155	6	3	164	1	2		2	1			1
	V	.6	.5	.1	.5	1.1	.4		.1	.1			.1
HISTORY, OTHER	N	207	12	34	274	1	2		12	17		6	14
	V	.8	.9	.9	.9	1.1	.4	.3	.8	.6		1.6	.9
HIST&PHIL/SCI	N	22		4	26								
	V	.1		.1	.1								
AMERICAN STUD.	N	82		3	87	1	2		1	3	5		5
	V	.3		.1	.3	1.1	.4		.1	.1	.5		.3

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FIELD OF PHD		TOTAL			AMER. INDIAN		ASIAN			BLACK			TOTAL
		U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	U.S.	NON-U.S. PERM.	U.S. TEMP.		
THEATRE	N	95	.2	.3	103						.4	1	.5
	V	.4		.1	.3						.4	1.0	.5
MUSIC	N	313	.6	.15	368	1	.5	.3	.3	11	.8		.8
	V	1.3	.5	.4	1.2	1.1	1.1	.5	.2	.4	.8		.5
SPCH AS DR ART	N	34			37	1							
	V	.1			.1	1.1							
ARCHEOLOGY	N	25	.2		28								
	V	.1	.2		.1								
RELIGION	N	142	.8	.8	161	1	.2	.3	.4	.9	.6	2	1
	V	.6	.6	.2	.5	1.1	.4	.5	.3	.3	.6	2.1	.3
PHILOSOPHY	N	244	.8	.19	277	1	.1	.3	.6	11	.4	1	.5
	V	1.0	.6	.5	.9	1.1	.2	.5	.4	.4	.4	1.0	.5
LINGUISTICS	N	117	.3	.47	176		.4	.1	.17	22	.2		.4
	V	.5	.2	1.2	.6		.9	.2	1.1	.8	.2		.3
COMPARATVE LIT	N	103	.11	.8	132	1		.1	.3	4	.3		.3
	V	.4	.9	.2	.4	1.1		.2	.2	.1	.3		.2
HUMANITIES, GEN	N	22	.1		23	1							
	V	.1	.1		.1	1.1							
HUMANITIES, OTR	N	42	.2	.3	48				.1	1	.2		.2
	V	.2	.2	.1	.2				.1		.2		.1
LANG & LIT SBT	N	1245	.84	.74	1457	3	.11	.10	.20	44	2.6	5	1.4
	V	5.0	6.6	1.9	4.7	3.4	2.4	1.7	1.3	1.6	2.6	5.2	1.1
AMERICAN L&L	N	137	.1	.8	146			.1	.2	3	10		10
	V	.5	.1	.2	.5			.2	.1	.1	1.0		.7
ENGLISH L&L	N	604	.16	.26	670	3	.5	.3	.13	21	10		12
	V	2.4	1.3	.7	2.1	3.4	1.1	.5	.8	.8	1.0		.8
GERMAN L&L	N	67	.14	.3	89								
	V	.3	1.1	.1	.3								
RUSSIAN L&L	N	24	.2	.1	27								
	V	.1	.2		.1								
FRENCH L&L	N	131	.27	.6	167			.1		1	.4	5	.9
	V	.5	2.1	.2	.5			.2			.4	5.2	.6
SPAN & PORT L&L	N	153	.13	.13	184		.3		.2	.5	.1		.1
	V	.6	1.0	.3	.6		.7		.1	.2	.1		.1
ITALIAN L&L	N	13	.2	.1	16								
	V	.1	.2		.1								
CLASSICAL L&L	N	56	.1	.3	62						.1		.1
	V	.2	.1	.1	.2						.1		.1

*NUMBER OF 1980-81 PHDS BY FINE FIELD OF DOCTORATE, RACE, CITIZENSHIP,
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FIELD OF PHD		TOTAL			AMER. INDIAN		ASIAN			BLACK			TOTAL	
		U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	U.S.	NON-U.S. PERM.	U.S. TEMP.			
OTHER LANG	N	60	8	13	96								2	
	V	.2	.6	.3	.3								.1	
PROF FLDS TOT	N	1105	67	164	1388	3	15	29	45	89	54	5	21	80
	V	4.4	5.3	4.2	4.4	3.4	3.3	4.8	2.9	3.3	5.4	5.2	5.7	5.4
THEOLOGY	N	178	5	14	201		1	2	3	6			3	3
	V	.7	.4	.4	.6		.2	.3	.2	.2			.8	.2
BUSINESS ADMIN	N	446	49	92	622	1	5	24	32	61	13	3	5	21
	V	1.8	3.9	2.3	2.0	1.1	1.1	4.0	2.1	2.3	1.3	3.1	1.4	1.4
HOME ECONOMICS	N	79		6	85				2	2	1		1	2
	V	.3		.2	.3				.1	.1	.1		.3	.1
JOURNALISM	N	12	1	5	18			1	2	3			2	2
	V	.1	.1	.1	.1			.2	.1	.1			.5	.1
SPEECH&HEARING	N	138	1		140	2	2			2	10			10
	V	.6	.1		.4	2.2	.4			.1	1.0			.7
LAW, JURISPRUD	N	12	3	11	28			1	1	2			2	2
	V		.2	.3	.1			.2	.1	.1			.5	.1
SOCIAL WORK	N	180	5	15	209		5	1	3	9	23	2	1	26
	V	.7	.4	.4	.7		1.1	.2	.2	.3	2.3	2.1	.3	1.8
LIB & ARCH SCI	N	48		14	62		1		2	3	7		6	13
	V	.2		.4	.2		.2		.1	.1	.7		1.6	.9
PROF FLD, OTHER	N	12	3	7	23		1			1			1	1
	V		.2	.2	.1		.2						.3	.1
EDUCATION TOT	N	6565	130	526	7489	42	79	40	128	254	560	29	104	694
	V	26.3	10.2	13.4	23.9	47.2	17.2	6.6	8.2	9.4	55.6	29.9	28.1	46.8
FOUNDINS-S&P	N	156	9	29	208	1	3	3	7	15	11	2	8	22
	V	.6	.7	.7	.7	1.1	.7	.5	.4	.6	1.1	2.1	2.8	1.5
ED PSYCH	N	403	12	23	445	2	7	6	8	21	21		1	22
	V	1.6	.9	.6	1.4	2.2	1.5	1.0	.5	.8	2.1		.3	1.5
ELEMNT ED, GEN	N	164		4	180	1	1			1	9			9
	V	.7		.1	.6	1.1	.2				.9			.6
SECONDY ED, GEN	N	106	3	14	136		1	1	6	8	6		1	7
	V	.4	.2	.4	.4		.2	.2	.4	.3	.6		.3	.5
HIGHER ED	N	615	13	39	671	4	9	2	12	23	76	4	9	89
	V	2.5	1.0	1.0	2.1	4.5	2.0	.3	.8	.9	7.5	4.1	2.4	6.0
ADULT ED(919)	N	208	2	21	233	1	1	1	4	6	18	1	7	26
	V	.8	.2	.5	.7	1.1	.2	.2	.3	.2	1.8	1.0	1.9	1.8

*NUMBER OF 1980-81 PHDS BY FINE FIELD OF DOCTORATE, RACE, CITIZENSHIP,
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FIELD OF PHD		TOTAL			AMER. INDIAN		ASIAN			BLACK			TOTAL	
		U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	U.S.	NON-U.S. PERM.	U.S. TEMP.			
ED MEAS & STAT	N	74	.3	.2	11	.3	1.1	.3	.2	.3	.3	.1	1	.2
	V	.3	.2	.3	.3	1.1	.3	.2	.3	.3	.1	1	1.0	.2
CURRIC & INSTR	N	729	10	.69	814	3	7	4	12	24	58	3	15	76
	V	2.9	.8	1.8	2.6	3.4	1.5	.7	.8	.9	5.8	3.1	4.1	5.1
EDUC ADMIN&SUP	N	1523	19	.88	1653	19	12	5	22	40	185	5	21	211
	V	6.1	1.5	2.2	5.3	21.3	2.6	.8	1.4	1.5	18.4	5.2	5.7	14.2
GUIDANCE (940)	N	519	5	.14	549	1	6	1	3	10	33	2	3	38
	V	2.1	.4	.4	1.8	1.1	1.5	.2	.2	.4	3.3	2.1	.8	2.6
SPECIAL ED	N	296	5	.9	313	1	3		2	5	9		1	10
	V	1.2	.4	.2	1.0	1.1	.7		.1	.2	.9		.3	.7
AUDIO-VIS MED	N	63	1	.13	77		1	1	4	6	1		.5	.3
	V	.3	.1	.3	.2		.2	.2	.3	.2	.1		.5	.3
EDUCATION, GEN	N	229	8	.38	407	2	4	2	12	20	23		6	29
	V	.9	.6	1.0	1.3	2.2	.9	.3	.8	.7	2.3		1.6	2.0
ED, OTHER	N	160	6	.18	191	1	7	3	6	16	15	1	4	20
	V	.6	.5	.5	.6	1.1	1.5	.5	.4	.6	1.5	1.0	1.1	1.3
TEACH FLDS SBT	N	1320	34	136	1522	5	14	10	27	52	94	10	26	130
	V	5.3	2.7	3.5	4.9	5.6	3.0	1.7	1.7	1.9	9.3	10.3	7.0	8.8
AGRICULTURE	N	31	1	.9	42		1	1	3	5	3		.3	.6
	V	.1	.1	.2	.1		.2	.2	.2	.2	.3		.8	.4
ART	N	53	2	.8	63				1	1	2	1	.5	.5
	V	.2	.2	.2	.2				.1	.1	.2	1.0	.5	.5
BUSINESS	N	42		.8	50				3	3				
	V	.2		.2	.2				.2	.1				
EARLY CHILDHOOD	N	82		.2	90	1	1			1	9			.9
	V	.3		.1	.3	1.1	.2				.9			.6
ENGLISH	N	55		.7	63		2		1	3	4		1	.5
	V	.2		.2	.2		.4		.1	.1	.4		.3	.3
FOREIGN LANG	N	20	1	.5	28			1	2	3	1			.1
	V	.1	.1	.1	.1			.2	.1	.1	.1			.1
HOME ECONOMICS	N	20	2	.3	25			1	1	2	4	1	1	.6
	V	.1	.2	.1	.1			.2	.1	.1	.4	1.0	.3	.4
INDUST ARTS	N	25		1	27						2		1	.3
	V	.1		.1	.1						.2		.3	.3
MATHEMATICS	N	52	1	.8	62	1		1	2	3	4		.5	.6
	V	.2	.1	.2	.2	1.1		.2	.1	.1	.4		.5	.4
MUSIC	N	67		.4	76		1		1	2	4			.4
	V	.3		.1	.2		.2		.1	.1	.4			.5

*AND SEX - PART I
SEX - TOTAL, MALE AND FEMALE

FIELD OF PHD		TOTAL			AMER.	ASIAN			BLACK						
		U.S.	NON-U.S.	PERM. TEMP.	INDIAN	U.S.	NON-U.S.	PERM. TEMP.	U.S.	NON-U.S.	PERM. TEMP.				
NURSING	N	21	.1	.1	1	23									
	V	.1				.1			.2					.1	
PHYS ED (988)	N	308	16	36	367	1	1	5	2	3	11	14	4	5	23
	V	1.2	1.3	.9	1.2	1.1	1.1	1.1	.3	.2	.4	1.4	4.1	1.4	1.6
READING	N	181	.1	.6	193					.3	.3	.9	1	.1	11
	V	.7		.2	.6					.2	.1	.9	1.0	.3	.7
SCIENCE ED	N	80	4	23	107	2	2	1	1	3	5	9	3	5	17
	V	.3	.3	.6	.3	2.2	.2	.2	.2	.2	.2	.9	3.1	1.4	1.1
SOCIAL SCI ED	N	45		4	49			1		1	2	4		1	5
	V	.2		.1	.2			.2		.1	.2	.4		.3	.3
SPEECH ED	N	11	1		12							1			1
	V		.1									.1			.1
VOCATIONAL ED	N	196	4	10	213				3	2	5	20		4	24
	V	.8	.3	.3	.7				.5	.1	.2	2.0		1.1	1.6
OTHR TEACH FLD	N	31		1	32			1			1	3			3
	V	.1			.1			.2				.3			.2
OTHER/UNSP FLD	N	26	.8	35	1	1				1	2		1	3	
	V	.1		.2	.1	1.1						.2		.3	.2

1/4
1 NAME TAB1B

000600

2 V 2 TO 261 ON 1

000700

3 *DIST* NAME TAB1B

4 *DIST* *NUMBER OF 1980-81 PHDS BY FINE FIELD OF DOCTORATE, RACE, CITIZENSHIP,

5 *DIST* *AND SEX - PART II

6 *DIST* T60A X T120-122A X RACECOL2

7 *DIST* END

8 RECORDS READ 31319

9 RECORDS USED 31319

10 COUNTS 27043

11 NOT COUNTED 4276

12 CONTROL 1:3,2:3,3:2,16:3,17:2,18:2,36:3,37:2,48:3,49:2,72:3,73:2,97:3,

000710

13 98:3,99:2,121:3,122:2,134:3,135:2,149:3,150:2,166:3,167:2,183:3,184:2,

000720

14 203:3,204:2,214:3,215:2,226:3,227:2,241:3,242:2,260:3

000730

15 LINES=72

000800

16 NZL

000810

17 SKIP 1

000900

18 END

001000

*NUMBER OF 1980-81 PHDS BY FINE FIELD OF DOCTORATE, RACE, CITIZENSHIP,
 *AND SEX - PART II
 SEX - MALE

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FIELD OF PHD		WHITE			PUERTO RICAN		MEXICAN-AMERICAN			OTHER HISPANIC			OTHER & UNKNOWN			
		U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL		
ASTRONOMY	N	34	1	2	37					1			1	4		4
	V	.2	.3	.2	.2					.4			.2	.5		.2
ASTROPHYSICS	N	46		2	48	1			1			1	2		2	
	V	.3		.2	.3	1.8			.9			.2	.3		.1	
ATOMIC & MOLEC	N	40		2	42					2.4	1	2	3		4	
	V	.3		.2	.3					.4	.4	.5	.4		.2	
ACOUSTICS	N	8		1	9								1		1	
	V	.1		.1	.1								.1		.1	
FLUIDS	N	6		1	7							1				
	V			.1						.4	.2					
PLASMA PHYSICS	N	44		3	47								4	1	5	
	V	.3		.2	.3								.5	.6	.3	
OPTICS	N	33	1	5	39								2		4	
	V	.2	.3	.4	.2								.3		.2	
THERMAL PHYS	N	3			3										1	
	V													.6	.1	
ELEMENT PART	N	68	3	10	81	1			1		2	3	10		10	
	V	.5	.9	.8	.5	1.8			.9		.7	.7	1.3		.6	
NUCLEAR STRUCT	N	38		4	42								6	1	7	
	V	.3		.3	.3								.8	.6	.4	
SOLID STATE	N	152	1	10	163	1		1	1	1	2	4	9	4	14	
	V	1.1	.3	.8	1.0	1.8		2.0	.6	.9	2.4	.7	.9	1.2	2.3	
PHYSICS, GEN	N	46	3	8	57							2	3	6	47	
	V	.3	.9	.7	.4							.7	.7	1.6	2.9	
PHYSICS, OTHER	N	63		1	64									7	8	
	V	.4		.1	.4									.9	.5	
CHEMISTRY SUBT	N	938	15	37	991	4	3		1	4	9	22	67	11	109	
	V	6.5	4.5	3.0	6.2	7.0	2.9		2.0	2.5	7.8	4.9	4.1	5.0	6.8	
ANALYTICAL CH	N	161	1	5	167	1					1	1	9	1	10	
	V	1.1	.3	.4	1.0	1.8					.4	.2	1.2	.6	.6	
INORGANIC CHEM	N	120		3	123		1		1	1		2	7	1	10	
	V	.8		.2	.8		1.0		.6	.9	2.4	.5	.9	.6	.6	
ORGANIC CHEM	N	324	7	5	336	1	1		1	3		2	10	2	13	
	V	2.2	2.1	.4	2.1	1.8	1.0		.6	2.6		.7	1.1	1.3	.8	
NUCLEAR CHEM	N	9		1	10					1		1	1		1	
	V	.1		.1	.1					.9		.2	.1		.1	
PHYSICAL CHEM	N	163	3	8	174	1	1		1	1		4	5	3	15	
	V	1.1	.9	.7	1.1	1.8	1.0		.6	.9		1.5	1.1	1.6	.9	

*NUMBER OF 1980-81 PHDS BY FINE FIELD OF DOCTORATE, RACE, CITIZENSHIP,
 *AND SEX - PART II
 SEX - MALE

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FIELD OF PHD		WHITE			TOTAL	PUERTO RICAN	MEXICAN-AMERICAN			OTHER HISPANIC			OTHER & UNKNOWN			
		U.S.	NON-U.S. PERM.	U.S. TEMP.			U.S.	NON-U.S. PERM.	U.S. TEMP.	U.S.	NON-U.S. PERM.	U.S. TEMP.	U.S.	NON-U.S.		
ENV SCI, GEN	N	22		.1	23											
	V	.2		.1	.1											
ENV SCI, OTHR	N	12		.2	14											
	V	.1		.2	.1											
APPL GEO (391)	N	15		.3	19									.1		
	V	.1	.3	.2	.1											
EARTH SCI, GEN	N	18		.6	25				.1		.1	.2	1.2	1.2		
	V	.1	.3	.5	.2				.9		.4	.5	.7	1.1		
EARTH SCI, OTHR	N	8		.2	11			.1						.2		
	V	.1	.3	.2	.1			2.0	.6				.1	.6		
ENGINRNG TOTAL	N	965	80	293	1341	5	2	15	18	5	4	57	69	48	31	160
	V	6.7	24.2	24.0	8.4	8.8	2.0	30.6	11.4	4.3	9.8	21.0	15.7	6.3	17.7	10.0
AERONAUT&ASTRO	N	44		11	57							4	4	4		10
	V	.3	.6	.9	.4							1.5	.9	.5		.6
AGRICULTRL ENG	N	16		.9	26							6	6	1	1	2
	V	.1	.3	.7	.2			4.1	1.3			2.2	1.4	.1	.6	.1
BIOMEDICAL ENG	N	41		.2	46									.4		.4
	V	.3	.9	.2	.3									.5		.2
CIVIL ENG	N	85	12	64	162											17
	V	.6	3.6	5.2	1.0	3.5		4.1	1.3	1.7		3.8	2.7	.4	3.4	1.1
CHEMICAL ENG	N	112	4	32	148											17
	V	.8	1.2	2.6	.9		1.0	2.0	1.3			4.1	2.5	.4	1.7	1.1
CERAMIC ENG	N	11		1	14											
	V	.1	.6	.1	.1			2.0	.6							
COMPUTER ENG	N	24		.6	33											2
	V	.2	.9	.5	.2			2.0	.6			.4	.2		1.1	.1
ELECTRICAL ENG	N	158	18	41	218											32
	V	1.1	5.4	3.4	1.4			2.0	1.3			1.5	1.1	1.6	3.4	2.0
ELECTRONICS EN	N	39		.8	49											2
	V	.3	.6	.7	.3	1.8				.9			.2	.1		.1
INDUSTRIAL ENG	N	26		.7	36											6
	V	.2	.9	.6	.2						2.4	.4	.5	.1	.6	.4
NUCLEAR ENG	N	51		17	71											13
	V	.4	.9	1.4	.4			2.0	.6			1.1	.7	.5	2.3	.8
ENGINEER. MECH	N	31		.7	40											.6
	V	.2	.6	.6	.3									.3	.1	.6
ENGINEER. PHYS	N	11		.5	17											
	V	.1	.3	.4	.1									.4	.6	.4

FIELD OF PHD		WHITE			PUERTO RICAN		MEXICAN-AMERICAN			OTHER HISPANIC			OTHER & UNKNOWN			
		U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL		
FORESTRY	N	57		.8	65	1							.2	.1	.6	
	V	.4		.7	.4	1.8							.5	.6	.4	
HORTICULTURE	N	28	.2	10	40		1.0		.1	.1		.3	.4	.1	.6	
	V	.2	.6	.8	.3				.6	.9		1.1	.9	.1	.4	
SOILS&SOIL SCI	N	34	.1	15	50						2.4	1.4	1.5	.3	.6	
	V	.2	.3	1.2	.3									.4	.4	
ANIM SCI & NUTRITION	N	66	.1	16	83		2.0	2.0	1.3			1.5	1.5	.3	.7	
	V	.5	.3	1.3	.5							5.5	3.4	.4	.4	
PHYTOPATHOLOGY	N	51		.6	57										.2	
	V	.4		.5	.4							2.4	1.3	.9	.1	
AG, GENERAL	N	1		.1	2										.1	
	V			.1											.6	
AG, OTHER	N	41	.2	12	55			2.0	1				1	.4	1.2	
	V	.3	.6	1.0	.3								.2	.5	.8	
MED SCI SUBT	N	450	1.6	19	475					.9	2.4	3.8	2.10	3.24	1.2	39
	V	3.1	1.8	1.6	3.0										2.4	
PUBLIC HEALTH	N	64	.1	.4	69							.2	.2	.3	.3	
	V	.4	.3	.3	.4								.7	.4	.2	
VETERINARY MED	N	18	.1	.4	23					.9		.4	.5		.1	
	V	.1	.3	.3	.1										.2	
NURSING	N	3			3											
	V															
PARASITOLOGY	N	11			11											
	V	.1			.1											
ENVRN HEALTH	N	28	.1	.2	31									.1	.2	
	V	.2	.3	.2	.2										.1	
PATHOLOGY	N	56		.6	62							.2	.5	.3	.7	
	V	.4		.5	.4									.6	.4	
PHARMACOLOGY	N	176	.1	.1	178									10	12	
	V	1.2	.3	.1	1.1									1.3	.7	
PHARMACY	N	29			29						1		.1	.4	.5	
	V	.2			.2						2.4		.2	.5	.3	
MED SCI, GEN	N	14			14									.3	.2	
	V	.1			.1									.2	.1	
MED SCI, OTHER	N	51	.2	.2	53									.3	.6	
	V	.4	.6	.2	.3							1.3	.7	.3	.4	

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FIELD OF PHD		WHITE			PUERTO RICAN	MEXICAN-AMERICAN			OTHER HISPANIC			OTHER & UNKNOWN					
		U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S.	TOTAL					
SOCIAL SCI TOT	N	3019	57	213	3292	6	32	1	3	27	9	34	73	148	36	357	
	V	20.9	17.2	17.5	20.6	10.5	31.4	20.0	6.1	22.8	23.3	22.0	12.5	16.6	19.6	20.6	22.2
ANTHROPOLOGY	N	164		7	171		1			1			3	19	4	33	
	V	1.1		.6	1.1		1.0			.6		4.9	.4	.7	2.5	2.3	2.1
COMMUNICATIONS	N	100	1	2	103							2	5	3		5	
	V	.7	.3	.2	.6							.7	.5	.4		.3	
SOCIOLOGY	N	247	4	18	269	2	8			8		2	6	1.8	1.2	2.5	21
	V	1.7	1.2	1.5	1.7	3.5	7.8			5.1	1.7		2.6	1.8	1.2	2.9	1.3
ECONOMICS	N	391	22	83	497	2	2			2		4	18	25	29	36	60
	V	2.7	6.6	6.8	3.1	3.5	2.0		4.1	2.4	3.4	4.9	6.6	5.7	3.8	3.4	3.7
ECONOMETRICS	N	7	2	2	11												
	V	.7	.6	.2	.1												
STATISTICS	N	11	1	5	17				1	1						1	1
	V	.1	.3	.4	.1				2.0	.6						.6	.1
GEOGRAPHY	N	55	1	10	66		1			1			1	.6		10	
	V	.4	.3	.8	.4		1.0			.6			.9	.2	.8	.6	.6
AREA STUDIES	N	6		1	7											1	3
	V			.1												.6	.2
POLITICAL SCI	N	223	8	24	255	1				5	1	1	7	18	25	38	
	V	1.5	2.4	2.0	1.6	1.8				4.3	2.4	.4	1.6	2.4	2.9	2.4	
PUBLIC ADMIN	N	70	1	5	76					1			2	4	3	25	
	V	.5	.3	.4	.5					.9			.5	.5	1.7	1.6	
INT. RELATIONS	N	43	1	5	49		1			1			2	3	1	10	
	V	.3	.3	.4	.3		1.0			.6			.7	.5	.4	.6	.6
CRIMINOLOGY	N	23	2	25	25											1	
	V	.2	.6	.2	.2											.1	
URBAN® PLAN	N	31	3	7	41		1			1			3	2	1.2	12	
	V	.2	.9	.6	.3		1.0			.6	1.7		.4	.7	.3	1.1	.7
SOCIAL SCI, GEN	N	9		3	12		1			1						2	
	V	.1		.3	.1		1.0			.6						.1	
SOC SCI, OTHER	N	46		10	56								1	1	1	7	
	V	.3		.8	.4								2.4	.2	.1	.6	.4
PSYCH SUBTOTAL	N	1593	11	31	1637	1	17	1		18	12	3	19	54	7	129	
	V	11.0	3.3	2.5	10.2	1.8	16.7	20.0		11.4	10.3	7.3	1.1	4.3	7.1	4.0	8.0
CLINICAL PSYCH	N	609	3	6	618	1	6			6	6		9	29	1	38	
	V	4.2	.9	.5	3.9	1.8	5.9			3.8	5.2	4.9	2.0	2.9	.6	2.4	
COUNSEL & GUID	N	169		4	173		3			3	1		1	2	1	3	
	V	1.2		.3	1.1		2.9			1.9	.9		.2	.3	.6	.3	

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FIELD OF PHD		WHITE			PUERTO	MEXICAN-AMERICAN			OTHER HISPANIC			OTHER & UNKNOWN					
		U.S.	NON-U.S. PERM.	NON-U.S. TEMP.	TOTAL	TOTAL	U.S.	NON-U.S. PERM.	NON-U.S. TEMP.	TOTAL	U.S.	NON-U.S.	TOTAL				
OTHER LANG	N	33		4	37							3	10				
	V	.2		.3	.2							.4	.6				
PROF FLDS TOT	N	642	27	76	746	3	2					45	9	93			
	V	4.5	8.2	6.2	4.7	3.5	2.0		1.3	3.4	4.9	1.1	2.3	5.9	5.1	5.8	
THEOLOGY	N	143	.2	.6	151					2.3	1		4	12	15		
	V	1.0	.6	.5	.9					2.6	2.4		.9	1.6	.9		
BUSINESS ADMIN	N	330	18	48	397	3	2										
	V	2.3	5.4	3.9	2.5	3.5				.1	2.1	1.3	1.6	2.0	3.6	3.4	
HOME ECONOMICS	N	15			15												
	V	.1			.1												
JOURNALISM	N	6		1	7									.1	.1		
	V			.1										.1	.1		
SPEECH&HEARING	N	50			50									3	4		
	V	.3			.3									.4	.2		
LAW, JURISPRUD	N	11	2	7	20									1	1	4	
	V	.1	.6	.6	.1									.1	.6	.2	
SOCIAL WORK	N	67	2	9	78		2							5	1	9	
	V	.5	.6	.7	.5		2.0		1.3					.7	.6	.6	
LIB & ARCH SCI	N	13			13									2	2		
	V	.1			.1									.3	.1		
PROF FLD, OTHER	N	7	3	5	15									1	1	3	
	V		.9	.4	.1									.1	.6	.2	
EDUCATION TOT	N	2831	30	173	3041	21	39	1	3	44	16	4	22	42	103	30	258
	V	19.6	9.1	14.2	19.0	36.8	38.2	20.0	6.1	27.8	13.8	9.8	8.1	9.5	13.6	17.1	16.1
FOUNDNS-S&P	N	69	2	8	80	1	1			1	1		1	5	4	14	
	V	.5	.6	.7	.5	1.8	1.0			.6	.9		.2	.7	2.3	.9	
ED PSYCH	N	161	2	8	171	3	2			1	2	1	4	4	6		
	V	1.1	.6	.8	1.1	3.5	2.0			1.3	1.7	2.4	.4	.9	.5	.4	
ELEMNT ED, GEN	N	51		2	53									3	5		
	V	.4		.2	.3									.4	.3		
SECONDY ED, GEN	N	56	1	4	61									1	1	10	
	V	.4	.3	.3	.4									.1	.6	.6	
HIGHER ED	N	280	3	10	294	3	5			3	3	1	5	12	1	16	
	V	1.9	.9	.8	1.8	3.5	4.9			3.2	2.6	2.4	.4	1.1	1.6	.6	1.0
ADULT ED(919)	N	91		7	98									1	1	2	
	V	.6		.6	.6						.9		.7	.7	.6	.1	

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FIELD OF PHD		WHITE			PUERTO RICAN		MEXICAN-AMERICAN			OTHER HISPANIC			OTHER & UNKNOWN	
		U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL
ED MEAS & STAT	N	34			38								1	2
	V	.2		.2	.2					2.4			.2	.3
CURRIC & INSTR	N	254	.2	.21	277	3		11		12	3		4	19
	V	1.8	.6	1.7	1.7	5.3		10.8		7.6	2.6		1.5	1.2
EDUC ADMIN&SUP	N	794	.8	.28	832	3								39
	V	5.5	2.4	2.3	5.2	5.3		7.8	4.2	10	3		2.6	2.4
GUIDANCE (940)	N	239	.2	.4	245	2		2						14
	V	1.7	.6	.3	1.5	3.5		2.0		1.3	.9		.2	.9
SPECIAL ED	N	102			108	1		1						3
	V	.7	.6	.4	.7	1.8		1.0		.6		2.4	.2	.1
AUDIO-VIS MED	N	38		.4	42	1								1
	V	.3		.3	.3	1.8								.1
EDUCATION, GEN	N	78		11	89			1						81
	V	.5		.9	.6			1.0	20.0	1.3	.9		.4	5.0
ED, OTHER	N	46	1	5	52	2		1						10
	V	.3	.3	.4	.3	3.5		1.0		.6	.9		.7	.6
TEACH FLDS SBT	N	538	.7	.54	601	4		7						35
	V	3.7	2.1	4.4	3.8	7.0		6.9	2.0	5.1			1.5	2.2
AGRICULTURE	N	22		.1	23			1						1
	V	.2			.1			1.0		.6			.7	.1
ART	N	17		.4	21									
	V	.1		.3	.1									
BUSINESS	N	22		.2	24									2
	V	.2		.2	.2									.1
EARLY CHILDHOOD	N	10			10									1
	V	.1			.1									.1
ENGLISH	N	18		.4	22									
	V	.1		.3	.1									
FOREIGN LANG	N	3			6	1		1						1
	V			.3		1.8		1.0		.6				.1
INDUST ARTS	N	20			20									2
	V	.1			.1								.1	.1
MATHEMATICS	N	23		.4	27									1
	V	.2		.3	.2									.1
MUSIC	N	36		.2	38									5
	V	.2		.2	.2								.4	.3
PHYS ED (988)	N	149	.6	.18	173	1		2						15
	V	1.0	1.8	1.5	1.1	1.8		2.0	2.0	1.9			.9	.9

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FIELD OF PHD		WHITE			PUERTO RICAN		MEXICAN-AMERICAN			OTHER HISPANIC			OTHER & UNKNOWN				
		U.S.	NON-U.S. PERM.	NON-U.S. TEMP.	TOTAL	TOTAL	U.S.	NON-U.S. PERM.	NON-U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	NON-U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	NON-U.S. TEMP.
READING	N V	28 .2			28 .2	1 1.8	1 1.0							1 .1			1 .1
SCIENCE ED	N V	46 .3		11 .9	57 .4							1 .4	1 .2				
SOCIAL SCI ED	N V	28 .2		1 .1	29 .2							1 .4	1 .2				
SPEECH ED	N V	3			3												
VOCATIONAL ED	N V	101 .7	1 .3	3 .2	107 .7	1 1.8	1 1.0			1 .6		1 .4	1 .2	3 .4			4 .2
OTHR TEACH FLD	N V	12 .1		1 .1	13 .1		1 1.0			1 .6				1 .1			1 .1
OTHER/UNSP FLD	N V	16 .1		6 .5	22 .1									2 .3			2 .1

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FIELD OF PHD		WHITE			PUERTO RICAN		MEXICAN-AMERICAN			OTHER HISPANIC			OTHER & UNKNOWN					
		U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL
TOTAL ALL FIELDS	N	7490	158	205	7857	58	52	2	7	61	79	13	60	154	302	31	661	
PHYSICAL SCI SBT	N	333	14	24	371	6.4												
	V	4.4	8.9	11.7	4.7	6.9					14.3	1.6	1.3	20.0	8.4	5.0	9.3	25
MATH SUBTOTAL	N	70	2	6	78	1												
	V	.9	1.3	2.9	1.0	1.7					14.3	1.6		8.3	3.2	.7	3.2	4
ALGEBRA	N	8	1	1	10	.1												
	V	.1	.6	.5	.1	.1												
ANALYSIS (010)	N	4			4													
	V	.1			.1								3.3	1.3				
GEOMETRY	N	1			1													
	V																	
LOGIC	N	1			1													
	V																	
NUMBER THEORY	N			1	1													
	V			.5														
PROB, MATH STAT	N	21	1	1	23									1	1			
	V	.3	.6	.5	.3									1.7	.6			
TOPOLOGY	N	10			10											.1	.1	
	V	.1			.1											.3	.2	
COMPUTING THRY	N	2			2													
	V																	
OPERATIONS RES	N	3			3													
	V																	
APPLIED MATH	N	16		1	17													
	V	.2		.5	.2													
MATH, GEN	N	2			2													
	V													3.3	1.3	.3	3.2	.3
MATH, OTHER	N	2		2	4	1												
	V			1.0	.1	1.7												
COMPUTER SCI SUBT	N	18	3	1	22													
	V	.2	1.9	.5	.3													
PHYS & AST SUBT	N	37	4	5	46													
	V	.5	2.5	2.4	.6									5.3	1.3	2.6	1.7	

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FIELD OF PHD		WHITE			PUERTO RICAN	MEXICAN-AMERICAN			OTHER HISPANIC			OTHER & UNKNOWN		
		U.S.	NON-U.S. PERM. TEMP.	U.S.	TOTAL	U.S.	NON-U.S. PERM. TEMP.	TOTAL	U.S.	NON-U.S. PERM. TEMP.	TOTAL	U.S.	NON-U.S. PERM. TEMP.	TOTAL
POLYMER CHEM	N V	1			1									
CHEMISTRY, GEN	N V	.8 .1	1 .6	1 .5	10 .1						.1 .3	1 3.2	.6 .9	
CHEM, OTHER	N V	13 .2			13 .2						.1 .3		1 .2	
EARTH, EN&MAR SCI SBT	N V	45 .6		1.3 .5	48 .6						.1 .3	1 3.2	.3 .5	
MINERAL, PETROL	N V	.5 .1			.5 .1									
GEOCHEMISTRY	N V	.5 .1			.5 .1									
STRATIG, SEDIM	N V	.6 .1		1 .5	.7 .1									
PALEONTOLOGY	N V	1			1									
STRUCTURAL GEOLOGY	N V	1			1									
GEOPHYSICS SE	N V	.4 .1			.4 .1									
GEOMORPH (350)	N V	2			2									
HYDROLOGY	N V	1			1									
OCEANOGRAPHY	N V	.6 .1			.6 .1									
MARINE SCI, OTHER	N V	2			2									
ATMOS PHY&CHEM	N V	1			1									
ATMOS SCI, OTHR	N V			1 .5	1									
ENV SCI, GEN	N V	3			3									
ENV SCI, OTHR	N V	.5 .1		1 .5	.6 .1									
EARTH SCI, GEN	N V	1			1						.1 .3	1 3.2	.3 .5	

FIELD OF PHD		WHITE			PUERTO RICAN	MEXICAN-AMERICAN			OTHER HISPANIC			OTHER & UNKNOWN				
		U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL			
LIFE SCI TOTAL	N	1085	25	36	1146	5	2	1	3	6	2	16	25	51	10	94
	V	14.5	15.8	17.6	14.6	8.6	3.8	14.3	4.9	7.6	15.4	26.7	16.2	16.9	32.3	14.2
BIOSCIENCES SUBT	N	759	19	15	793	3	1	1	2	5	2	8	15	39	5	63
	V	10.1	12.0	7.3	10.1	5.2	1.9	14.3	3.3	6.3	15.4	13.3	9.7	12.9	16.1	9.5
BIOCHEMISTRY	N	140	5	1	146					1		1	2	7	2	13
	V	1.9	3.2	.5	1.9					1.3		1.7	1.3	2.3	6.5	2.0
BIOPHYSICS	N	8			8						1					
	V	.1			.1						7.7		.6			
BIOMET, BIOSTAT	N	10			10									.1		.1
	V	.1			.1									.3		.2
ANATOMY	N	40	1		41					1			1	2		3
	V	.5	.6		.5					1.3			.6	.7		.5
CYTOLOGY	N	13			13					1			1			
	V	.2			.2					1.3			.6			
EMBRYOLOGY	N	6			6											
	V	.1			.1											
IMMUNOLOGY	N	51			51											.1
	V	.7			.6											.2
BOTANY	N	30	1	2	33									.2	1	.6
	V	.4	.6	1.0	.4									.7	3.2	.9
ECOLOGY	N	43		2	45							1	1	4		4
	V	.6		1.0	.6							1.7	.6	1.3		.6
MICROBIO & BACT	N	79	2	3	84	1										
	V	1.1	1.3	1.5	1.1	1.7							3.3	1.3	1.3	.6
ANIMAL PHYSIOL	N	67	3		70	1										.5
	V	.9	1.9		.9	1.7								1.3		.8
PLANT PHYS	N	7			7		1		1							1
	V	.1			.1		1.9		1.6					.3		.2
ZOOLOGY	N	41		2	43										1	2
	V	.5		1.0	.5									.3		.3
GENETICS	N	52	1	3	56					1		1	2	1		1
	V	.7	.6	1.5	.7					1.3		1.7	1.3	.3		.2
ENTOMOLOGY	N	8	1		9											
	V	.1	.6		.1							3.3	1.3			
MOLECULAR BIO	N	55	1		56	1							1	3		4
	V	.7	.6		.7	1.7						7.7	.6	1.0		.6
NUTRITION/DIET	N	36	1		37			1	1				1	2	2	5
	V	.5	.6		.5			14.3	1.6				1.7	.6	.7	6.5

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FIELD OF PHD		WHITE			PUERTO	MEXICAN-AMERICAN			OTHER HISPANIC			OTHER & UNKNOWN	
		U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL
BIO SCI, GEN	N	41			41							7	9
	V	.5			.5							2.3	1.4
BIO SCI, OTHER	N	32	3	2	37				1			1	3
	V	.4	1.9	1.0	.5				1.3			.6	.3
AG SCI SUBT	N	91	2	9	102					6	7	2	10
	V	1.2	1.3	4.4	1.3				10.0	4.5	.7	9.7	1.5
AGRONOMY	N	9		2	11					1			1
	V	.1		1.0	.1				1.7	.6			.2
AG ECON	N	8	1	1	10								
	V	.1	.6	.5	.1								
FOOD SCI & TECH	N	13	1	2	16					2	2	1	3
	V	.2	.6	1.0	.2				3.3	1.3		3.2	.3
FISH & WILDLIFE	N	9			9								
	V	.1			.1								
FORESTRY	N	6			6								
	V	.1			.1								
HORTICULTURE	N	10		3	13						1	1	1
	V	.1		1.5	.2						.6	.3	.2
SOILS & SOIL SCI	N	4			4					1	1		1
	V	.1			.1				1.7	.6		3.2	.2
ANIM SCI & NUTRITION	N	10		1	11					1	1		1
	V	.1		.5	.1				1.7	.6			.2
PHYTOPATHOLOGY	N	14			14								1
	V	.2			.2								.2
AG, OTHER	N	8			8					1	1	1	1
	V	.1			.1				1.7	.6	.3	3.2	.3
MED SCI SUBT	N	235	4	12	251	2	1		1	1	2	10	21
	V	3.1	2.5	5.9	3.2	3.4	1.9		1.6	1.3	3.3	1.9	3.2
PUBLIC HEALTH	N	60	1	2	63	1						4	6
	V	.8	.6	1.0	.8	1.7						1.3	.9
VETERINARY MED	N	5		2	7								
	V	.1		1.0	.1								
NURSING	N	73	1	2	76	1						1	2
	V	1.0	.6	1.0	1.0	1.7						.3	3.2
PARASITOLOGY	N	1			1			1				1	2
	V						1.9		1.6			.3	.3

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FIELD OF PHD		WHITE			PUERTO RICAN		MEXICAN-AMERICAN			OTHER HISPANIC			OTHER & UNKNOWN			
		U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL		
SOCIAL SCI, GEN	N	.5			.5											
	V															
SOC SCI, OTHER	N	44	1	2	47	1					1	1	4	6		
	V	.6	.6	1.0	.6	1.7					1.7	.6	1.3	.9		
PSYCH SUBTOTAL	N	1218	19	17	1254	7	6	1	3	10	16	2	1	19	28	81
	V	16.3	12.0	8.3	16.0	12.1	11.5	50.0	42.9	16.4	20.3	15.4	1.7	12.3	9.3	12.3
CLINICAL PSYCH	N	474		3	477	5	1	1		3	8			5	7	16
	V	6.3		1.5	6.1	8.6	1.9	50.0		3.3	10.1			5.2	2.3	2.4
COUNSEL & GUID	N	132	3	3	141	1					1	7		1	1	3
	V	1.8	3.8	1.5	1.8	1.7					1.3	7.7		1.3	.3	.3
DEVEL & GERONT	N	108	2		110			1	1					1	3	3
	V	1.4	1.3		1.4			14.3	1.6	1.3				.6	1.0	.3
ED PSYCH	N	67	1		68		1			1	1	7		1	2	3
	V	.9	.6		.9		1.9			1.6	1.3	7.7		1.3	.7	.3
SCHOOL PSYCH	N	63		1	64		1			1	1			1	3	4
	V	.8		.5	.8		1.9			1.6	1.3			.6	1.0	.6
EXPERIMT PSYCH	N	87	2	1	90		1			1						
	V	1.2	1.3	.5	1.1		1.9			1.6						
COMPARATIVE	N	3			3											
	V															
PHYSIOLOGICAL	N	32	1		33								1	1		
	V	.4	.6		.4								1.7	.6		
INDUST&PERSON.	N	17	1	1	19						1			1		
	V	.2	.6	.5	.2						1.3			.6		
PERSONALITY	N	24		1	25											
	V	.3		.5	.3											
PSYCHOMETRICS	N	9			9											
	V	.1			.1											
SOCIAL PSYCH	N	62	3	3	68		1			1				1		3
	V	.8	1.9	1.5	.9		1.9			1.6				.3		.3
PSYCH, GEN	N	72	2	2	76	1	1		1	2	1			1	11	44
	V	1.0	1.3	1.0	1.0	1.7	1.9		14.3	3.3	1.3			.6	3.6	6.7
PSYCH, OTHER	N	68	1	2	71				1	1						2
	V	.9	.6	1.0	.9				14.3	1.6	2.5			1.3		1.1
HUMANITIES TOT	N	1186	54	36	1276	15	3			3	25	4	6	36	46	122
	V	15.8	34.2	17.6	16.2	25.9	5.8			4.9	31.6	30.8	10.0	23.4	15.2	22.6

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FIELD OF PHD		WHITE			PUERTO RICAN		MEXICAN-AMERICAN			OTHER HISPANIC			OTHER & UNKNOWN				
		U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.
TOTAL ALL FIELDS	N	21911	489	1425	23849	115	154	7	56	219	195	54	331	594	1059	206	2266
	V																
PHYSICAL SCI SBT	N	2742	65	237	3047	14	3		11	14	19	5	46	72	185	41	321
	V	12.5	13.3	16.6	12.8	12.2	1.9		19.6	6.4	9.7	9.3	13.9	12.1	17.5	19.9	14.2
MATH SUBTOTAL	N	427	19	71	517	2			5	5	2	1	14	18	21	7	41
	V	1.9	3.9	5.0	2.2	1.7			8.9	2.3	1.0	1.9	4.2	3.0	2.0	3.4	1.8
ALGEBRA	N	34	3	5	42								1	1	1		1
	V	.2	.6	.4	.2								.3	.2	.1		
ANALYSIS (010)	N	65	2	14	81								1.5	5	1	1	2
	V	.3	.4	1.0	.3								1.5	.8	.1	.5	.1
GEOMETRY	N	22	1	1	24						1			1	1		1
	V	.1	.2	.1	.1						.5			.2	.1		
LOGIC	N	17		1	18												
	V	.1		.1	.1												
NUMBER THEORY	N	19		1	20										1		1
	V	.1		.1	.1										.1		
PROB, MATH STAT	N	90	5	15	110							1	1.5	1.6	3		3
	V	.4	1.0	1.1	.5							1.9	1.5	1.0	.3		.1
TOPOLOGY	N	39	1	4	44			1	1								
	V	.2	.2	.3	.2			1.3	.5								.4
COMPUTING THRY	N	10	1	3	14												
	V	.2	.2	.2	.1												
OPERATIONS RES	N	15	2	2	19			1	1					1		1	1
	V	.1	.4	.1	.1			1.8	.5					.2		.5	
APPLIED MATH	N	70	3	11	84	1							1	1	4	2	7
	V	.3	.6	.8	.4	.9							.3	.2	.4	1.0	.3
MATH, GEN	N	28	1	9	38								2	3	5	3	20
	V	.1	.2	.6	.2								3.6	.9	.5	.6	.9
MATH, OTHER	N	18		5	23	1											1
	V	.1		.4	.1	.9											.1
COMPUTER SCI SUBT	N	154	8	23	186								2	2	8	2	13
	V	.7	1.6	1.6	.8								.6	.5	.8	1.0	.6
PHYS & AST SUBT	N	618	13	54	685	3							2	18	66	13	114
	V	2.8	2.7	3.8	2.9	2.6							3.6	3.0	6.2	6.3	5.0

FIELD OF PHD		WHITE			PUERTO RICAN	MEXICAN-AMERICAN			OTHER HISPANIC			OTHER & UNKNOWN				
		U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL			
ASTRONOMY	N	38	.1	.2	41							.2	.3	.5		.6
	V	.2			.2							.6	.3	.5		.3
ASTROPHYSICS	N	48	.2	.1	52	.1			.1			.1	.2	.2		.2
	V	.2	.4	.1	.2	.9			.5			.2	.2	.2		.1
ATOMIC & MOLEC	N	44		.3	47							1.1	.4	.4		.5
	V	.2		.2	.2				1.9		.3	.3	.4	.4		.2
ACOUSTICS	N	9		.1	10									.1		1
	V			.1										.1		
FLUIDS	N	8			9											
	V			.1								.2	.3			
PLASMA PHYSICS	N	46		.3	49									.4	.1	.5
	V	.2		.2	.2									.4	.5	.2
OPTICS	N	33	.1	.5	39									.3		.5
	V	.2	.2	.4	.2									.3		.2
THERMAL PHYS	N	3			3											.1
	V														.5	1
ELEMENT PART	N	75	.3	.7	88	.1			.1			.2	.3	1.0		1.1
	V	.3	.6	.7	.4	.9			.5			.6	.5	1.0		.5
NUCLEAR STRUCT	N	39		.4	43									.6	.1	.7
	V	.2		.3	.2									.6	.5	.3
SOLID STATE	N	161	.2	.8	175	.1			1.8	.1		.1	.5	1.0	.4	1.5
	V	.7	.4	.8	.7	.9			1.8	.5		1.9	.9	.9	1.9	.7
PHYSICS, GEN	N	49	.4	.9	62				1.1	.1		.2	.3	1.3	.6	4.8
	V	.2	.8	.6	.5				1.8	.5		.6	.5	1.2	2.9	2.1
PHYSICS, OTHER	N	65		.2	67									.7		.8
	V	.3		.1	.3									.7		.4
CHEMISTRY SUBT	N	1101	20	46	1168	.7	.3		1	.4	10	3.2	15	27	73	120
	V	5.0	4.1	3.2	4.9	6.1	1.9		1.8	1.8	5.1	3.7	4.5	4.5	6.9	5.3
ANALYTICAL CH	N	187	.2	.6	195	.1						.1	.1	.9	.1	10
	V	.9	.4	.4	.8	.9						.3	.2	.8	.5	.4
INORGANIC CHEM	N	144		.5	149		.1		.5	.2	1.9		.3	.8	.1	11
	V	.7		.4	.6		.6		.5	1.0	1.9		.5	.8	.5	.5
ORGANIC CHEM	N	367	.9	.7	383	.3			.5	.3		.4	.7	1.1	.2	14
	V	1.7	1.8	.5	1.6	2.6	.6		.5	1.5		1.2	1.2	1.0	1.0	.6
NUCLEAR CHEM	N	9		.1	10									.1		1
	V			.1										.1		
PHYSICAL CHEM	N	202	.4	.9	215	.2	.1		.1	.5		1.6	1.7	1.4	.3	17
	V	.9	.8	.6	.9	1.7	.6		.5	.5		1.8	1.2	1.3	1.5	.8

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FIELD OF PHD		WHITE			PUERTO RICAN	MEXICAN-AMERICAN			OTHER HISPANIC			OTHER & UNKNOWN		
		U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	
IMMUNOLOGY	N	124			124	1			1			1	3	4
	V	.6			.5	.6	1.8	.9	.5			.2	.3	.2
BOTANY	N	115	1	3	119	1				1.4		4	6	15
	V	.5	.2	.2	.5	.6	3.6	1.4		1.2		.7	.6	1.0
ECOLOGY	N	168	1	5	174	1			1			4	8	10
	V	.8	.2	.4	.7	.6			.5	.9		.7	.8	.4
MICROBIO & BACT	N	265	3	9	277	2			1	1.1	1.5	1.8	1.6	2.2
	V	1.2	.6	.6	1.2	1.7	1.3		.9	.5	1.9	1.5	1.3	1.0
ANIMAL PHYSIOL	N	277	6	4	287	1		14.3	1	2		4	11	13
	V	1.3	1.2	.3	1.2	.9			.5	1.0		.7	1.0	.6
PLANT PHYS	N	48	1	1	50	1			1				4	5
	V	.2	.2	.1	.2	.6			.9				.4	.2
ZOOLOGY	N	166	1	4	171					1.9	2	3	5	11
	V	.8	.2	.3	.7	.9				.6	.5	.5	.5	.5
GENETICS	N	127	1	7	135				2		1.4	1.6	5	8
	V	.6	.2	.5	.6				.9	1.0	1.2	1.0	.5	.4
ENTOMOLOGY	N	94	3	8	105	1	14.3	1.1	1.3		1.9	1.4	5	7
	V	.4	.6	.8	.4	.6				1.9	1.2	.8	.5	.3
MOLECULAR BIO	N	150	3	1	155	1				1	1	2	10	13
	V	.7	.6	.1	.6	.9				.5	1.9	.3	.9	.6
NUTRITION/DIET	N	59	2		61			1	1		2	2	8	14
	V	.3	.4		.3			1.8	.5		.6	.3	.8	.6
BIO SCI, GEN	N	135	3	1	139					1	2	3	19	37
	V	.6	.6	.1	.6					.5	.6	.5	1.8	1.6
BIO SCI, OTHER	N	121	3	5	129					1		1	6	13
	V	.6	.6	.4	.5					.5		.2	.6	.6
AG SCI SUBT	N	622	13	105	740	2	3	10	13	5	6	76	89	70
	V	2.8	2.7	7.4	3.1	1.7	1.9	17.9	5.9	2.6	11.1	23.0	15.0	3.1
AGRONOMY	N	104	1	10	115	1		5	5		2	19	21	7
	V	.5	.2	.7	.5	.9		8.9	2.3		3.7	5.7	3.5	.3
AG ECON	N	79	5	12	96			1	1	2		15	17	9
	V	.4	1.0	.8	.4			1.8	.5	1.0		4.5	2.9	.4
ANIMAL HUSBAND	N	13			13								1	1
	V	.1			.1								.1	
FOOD SCI & TECH	N	38	1	10	49			2	2	1	2	11	15	5
	V	.2	.2	.7	.2			3.6	.9	.5	3.7	3.3	2.5	.2
FISH & WILDLIFE	N	58		1	59					1		1	3	5
	V	.3		.1	.2					.5		.2	.3	.2

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FIELD OF PHD		WHITE			PUERTO RICAN		MEXICAN-AMERICAN			OTHER HISPANIC			OTHER & UNKNOWN						
		U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	
FORESTRY	N	63		8	71														
	V	.3		.6	.3	.9					.2		.3	.1		.5			.6
HORTICULTURE	N	38	2	13	53			1		1		3		2		2			7
	V	.2	.4	.9	.2		.6		.5	.5		.9		.8	.2	1.0			.3
SOILS&SOIL SCI	N	38	1	15	54						1		1						7
	V	.2	.2	1.1	.2						1.9		1.5		1.0		.3	.5	.3
ANIM SCI & NUTRITION	N	76	1	17	94			1		1		1		3		1			8
	V	.3	.2	1.2	.4		1.3		1.8	1.4		4.8		2.7		.3	.5		.8
PHYTOPATHOLOGY	N	65		6	71							1		2					3
	V	.3		.4	.3						1.9		.9	.7		.2			.1
AG, GENERAL	N	1		1	2														1
	V			.1												.5			
AG, OTHER	N	49	2	12	63			1		1				5		3			11
	V	.2	.4	.8	.3			1.8		.5			.2	.3	.5	1.5			.5
MED SCI SUBT	N	685	10	31	726	1		1				1		34		4			60
	V	3.1	2.0	2.2	3.0	1.7		.6		.5	1.0	1.9	3.0	2.2	3.2	1.9			2.6
PUBLIC HEALTH	N	124	2	6	132								2		7				9
	V	.6	.4	.4	.6	.9							.3		.7				.4
VETERINARY MED	N	23	1	6	30						1		1						2
	V	.1	.2	.4	.1					.5			.3	.3					.1
NURSING	N	76	1	2	79										1		1		2
	V	.3	.2	.1	.3	.9									.1	.5			.1
PARASITOLOGY	N	12			12			1		1					1				2
	V	.1			.1		.6		.5						.1				.1
ENVRN HEALTH	N	31	1	2	34							1		1					3
	V	.1	.2	.1	.1							.3		.2	.1				.1
PATHOLOGY	N	77		8	85								2		4		1		10
	V	.4		.6	.4							.6		.3	.4	.5			.4
PHARMACOLOGY	N	225	1	3	229						1		1		12		1		16
	V	1.0	.2	.2	1.0					.5			.2		1.1		.5		.7
PHARMACY	N	33	1	1	35										4		1		6
	V	.2	.2	.1	.1						1.9		.3	.3	.4	.5			.3
MED SCI, GEN	N	19			19										2				3
	V	.1			.1										.2				.1
MED SCI, OTHER	N	65	3	3	71										2				7
	V	.3	.6	.2	.3							.9		.5	.2				.3

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 *AND SEX - PART II
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FIELD OF PHD		WHITE			PUERTO RICAN		MEXICAN-AMERICAN			OTHER HISPANIC			OTHER & UNKNOWN				
		U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.
SOCIAL SCI TOT	N	4864	96	253	5216	16	42	3	7	52	47	14	42	106	203	37	496
	V	22.2	19.6	17.8	21.9	13.9	27.3	42.9	12.5	23.7	24.1	25.9	12.7	17.8	19.2	18.0	21.9
ANTHROPOLOGY	N	280	3	11	294	1	1.2	1.1	1.4	1	7.4	2	1.7	24	4	42	
	V	1.3	.6	.8	1.2	.9	1.3	14.3	1.8	1.8	.5	7.4	.6	1.2	2.3	1.9	1.9
COMMUNICATIONS	N	175	3	2	180						1	2	3	4		10	
	V	.8	.6	.1	.8						.5	.6	.5	.4		.4	
SOCIOLOGY	N	430	14	25	469	2	11		11	2		1.6	1.8	17	5	35	
	V	2.0	2.9	1.8	2.0	1.7	7.1		5.0	1.0		1.8	1.3	1.6	2.4	1.5	
ECONOMICS	N	453	24	88	566	2	1.2		4	5	3	22	31	34	7	70	
	V	2.1	4.9	6.2	2.4	1.7	1.3		3.6	1.8	2.6	5.6	6.6	5.2	3.2	3.4	3.1
ECONOMETRICS	N	7	2	2	11												
	V		.4	.1													
STATISTICS	N	16	1	6	23			1.1	1						1	1	
	V	.1	.2	.4	.1				.5						.5		
GEOGRAPHY	N	70	1	10	81		1			1		1	2	6		10	
	V	.3	.2	.7	.3		.6			.5		.3	.3	.6		.4	
AREA STUDIES	N	10		1	11									1	1	4	
	V			.1										.1	.5	.2	
POLITICAL SCI	N	295	10	27	332	1				6	1	1	1.8	19	5	42	
	V	1.3	2.0	1.9	1.4	.9				3.1	1.9	.3	1.3	1.8	2.4	1.9	
PUBLIC ADMIN	N	87	1	6	94					1			3	5	3	29	
	V	.4	.2	.4	.4					.5			.5	.5	1.5	1.3	
INT. RELATIONS	N	53	1	5	59		1		1			2	2	4	1	11	
	V	.2	.2	.4	.2		.6		.5			.6	.5	.4	.5	.5	
CRIMINOLOGY	N	31	2		33	1										1	
	V	.1	.4		.1	.9											
URBAN® PLAN	N	42	3	7	52		1		1	2		1	3	2	2	16	
	V	.2	.6	.5	.2		.6		.5	1.0		.3	.5	.2	1.0	.7	
SOCIAL SCI, GEN	N	14		3	17		1		1							2	
	V	.1		.2	.1		.6		.5							.1	
SOC SCI, OTHER	N	90	1	12	103	1					1	1	2	5	1	13	
	V	.4	.2	.8	.4	.9					1.9	.3	.3	.5	.5	.6	
PSYCH SUBTOTAL	N	2811	30	48	2891	7.8	23	2	3	28	28	5	4	38	82	7	210
	V	12.8	6.1	3.4	12.1	7.0	14.9	28.6	5.4	12.8	14.4	9.3	1.2	6.4	7.7	3.4	9.3
CLINICAL PSYCH	N	1083	3	9	1095	6	7	1	8	14	2		17	29	1	54	
	V	4.9	.6	.6	4.6	5.2	4.5	14.3	3.7	7.2	3.7		2.9	2.7	.5	2.4	
COUNSEL & GUID	N	301	6	7	314	1	3		3	2	1		3	3	1	5	
	V	1.4	1.2	.5	1.3	.9	1.9		1.4	1.0	1.9		.5	.3	.5	.2	

*NUMBER OF 1980-81 PHDS BY FINE FIELD OF DOCTORATE, RACE, CITIZENSHIP,
 *AND SEX - PART II
 SEX - TOTAL, MALE AND FEMALE

82/09/10

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FIELD OF PHD		WHITE			PUERTO RICAN		MEXICAN-AMERICAN			OTHER HISPANIC			OTHER & UNKNOWN						
		U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	
OTHER LANG	N	50	1	7	58	1													
	V	.2	.2	.5	.2	.9				.5			.2	.5	1.3				.9
PROF FLDS TOT	N	955	29	86	1071	9	3												
	V	4.4	5.9	6.0	4.5	7.8	1.9			1.4	3.6	3.7	1.5	2.5	5.6	4.4			5.2
THEOLOGY	N	160	2	8	170														
	V	.7	.4	.6	.7					1.3	1.9		.7	1.3					.8
BUSINESS ADMIN	N	401	19	48	469	3													
	V	1.8	3.9	3.4	2.0	2.6				.5	1.9	.9	1.0	2.1	2.9				2.7
HOME ECONOMICS	N	74		3	77	1													
	V	.3		.2	.3	.9								.3					.3
JOURNALISM	N	11		1	12														
	V	.1		.1	.1									.1					1
SPEECH&HEARING	N	119	1		120	1													
	V	.5	.2		.5	.9								.4					.5
LAW, JURISPRUD	N	11	2	7	20														
	V	.1	.4	.5	.1									.1	.5				.2
SOCIAL WORK	N	134	2	9	145	4	3												
	V	.6	.4	.6	.6	3.5	1.9			1.4	1.0		.3	.3	.9	.5			1.9
LIB & ARCH SCI	N	35		5	40														
	V	.2		.4	.2					.5		.3	.5	.4					.2
PROF FLD, OTHER	N	10	3	5	18														
	V		.6	.4	.1									.1	.5				.3
EDUCATION TOT	N	5511	50	220	5792	38	75	1	4	81	40	6	35	81	220	39			507
	V	25.2	10.2	15.4	24.3	33.0	48.7	14.3	7.1	37.0	20.5	11.1	10.6	13.6	20.8	18.9			22.4
FOUNDINS-S&P	N	127	3	10	141	1	2												
	V	.6	.6	.7	.6	.9	1.3			.9	1.0	1.9		.3	.8	1.4			2.3
ED PSYCH	N	357	5	11	373	4	2												
	V	1.6	1.0	.8	1.6	3.5	1.3			1.8	1.4	1.5	1.9	.6	1.0	.7			1.4
ELEMNT ED, GEN	N	141		4	145		1												
	V	.6		.3	.6		.6			.5	1.0			.3	.8				2.1
SECONDY ED, GEN	N	94	2	5	101														
	V	.4	.4	.4	.4						.5		.3	.5	.4	.5			.8
HIGHER ED	N	490	4	14	509	3	9												
	V	2.2	.8	1.0	2.1	2.6	5.8			4.1	2.1	1.9	1.2	1.5	1.9	1.0			2.5
ADULT ED(919)	N	183		7	191		1												
	V	.8		.5	.8		.6			.5	.5		.6	.5	.3	.5			.5

*NUMBER OF 1980-81 PHDS BY FINE FIELD OF DOCTORATE, RACE, CITIZENSHIP,
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FIELD OF PHD		WHITE			PUERTO RICAN			MEXICAN-AMERICAN			OTHER HISPANIC			OTHER & UNKNOWN			
		U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL	U.S.	NON-U.S. PERM.	U.S. TEMP.	TOTAL
ED MEAS & STAT	N	68		5	74							1		1	1	3	5
	V	.3		.4	.3							1.9		.2	.1	1.5	.2
CURRIC & INSTR	N	604	3	29	636	5.6	20		21	4		7	11	27	2.9	6	37
	V	2.8	.6	2.0	2.7		13.0		9.6	2.1		2.1	1.9	2.5	2.9		1.6
EDUC ADMIN&SUP	N	1230	9	30	1271	6.1	17		2	19	6	7	13	47	2.6		73
	V	5.6	1.8	2.1	5.3		11.0		3.6	8.7	3.1	2.1	2.2	4.4	2.9		3.2
GUIDANCE (940)	N	455	2	5	462	2.6	4		4				2	15	1.5		29
	V	2.1	.4	.4	1.9		2.6		1.8	1.0			.3	1.4	1.3		1.3
SPECIAL ED	N	271	4	6	281	2.6	1		1				1	8			11
	V	1.2	.8	.4	1.2		.6		.5		1.9		.2	.8			.5
AUDIO-VIS MED	N	60		5	65		1						1	1			1
	V	.3		.4	.3		.9					.3	.2		.5		
EDUCATION, GEN	N	171	5	15	193		3	1	4	3		1	4	23	4		155
	V	.8	1.0	1.1	.8		1.9	14.3	1.8	1.5		.3	.7	2.2	1.9		6.8
ED, OTHER	N	118	1	5	125	1.7	1.3		2		3	3	1.9	9	1		16
	V	.5	.2	.4	.5				.9	3.1		.9	1.5	.8	.5		.7
TEACH FLDS SBT	N	1142	12	69	1225	7.8	13		1	14	3	1	7	14	38	7	74
	V	5.2	2.5	4.8	5.1		8.4		1.8	6.4	3.1	1.9	2.1	2.4	3.6	3.4	3.3
AGRICULTURE	N	25		1	26		1		1				2	2	1		2
	V	.1		.1	.1		.6		.5				.6	.3	.1		.1
ART	N	50	1	5	56						1		1				
	V	.2	.2	.4	.2						.5		.2				
BUSINESS	N	42		2	44							1	1		2		2
	V	.2		.1	.2							.3	.2		1.0		.1
EARLY CHILDHOOD	N	66		1	67	1	1		1	1		1	2	2			8
	V	.3		.1	.3	.9	.6		.5	.5		.3	.3	.2			.4
ENGLISH	N	49		5	54												1
	V	.2		.4	.2												
FOREIGN LANG	N	15	3	18		1	1		1	1			1	1			3
	V	.1		.2	.1	.9	.6		.5	.5			.2	.1			.1
HOME ECONOMICS	N	16		1	17												
	V	.1		.1	.1												
INDUST ARTS	N	21			21										3		3
	V	.1			.1												.1
MATHEMATICS	N	47		4	51												1
	V	.2		.3	.2												
MUSIC	N	56		2	58									6	1		12
	V	.3		.1	.2									.6	.5		.5

$$\begin{array}{r} 45 \\ - 15 \\ \hline 225 \\ + 50 \\ \hline 695 \\ - 11 \\ \hline \end{array}$$

$$\begin{array}{r} 700 \\ - 70 \\ \hline 7700 \end{array}$$

18

850
1500

Data/Research
Collection
Services

September 25, 1987

Dr. Lawrence M. Clark
Math and Science Education
201 Holladay
Box 7101
North Carolina State University
Raleigh, NC 27695-7101



F·G·I

Post Office Box 3767
100 Eastowne Dr.
Chapel Hill, NC 27514
919 929-7759

LM

mmc

Dear Dr. Clark:

FGI is a full-service research and marketing firm located in Chapel Hill. This letter and enclosed booklet introduce you to FGI and describe how we might assist you in your research needs.

Our research division, specializing in high-quality survey data collection, is able to provide full support for your survey research needs. We offer a complete range of research services, including questionnaire development, sample selection, data collection, coding, data entry and analysis. We can also assist in grant and proposal preparation and budgeting for surveys.

The heart of our data collection operation is our 40-station telephone center. The center is staffed with three full-time supervisors and an experienced staff of professional interviewers. Our emphasis is on quality control and adherence to study specifications as well as deadlines. We also routinely handle in-person household interviews and mail surveys. FGI also operates a state-of-the-art focus group facility, featuring a spacious focus group room, a client viewing room with a large one-way mirror, and videotaping equipment.

Since 1982, FGI has become a regional leader in research and marketing projects. Along with myself, research principals in the firm are Archie Purcell, a former survey director at Research Triangle Institute, and Jim Protzman, former director of marketing and research at the UNC Center for Public Television. I hold a Ph.D. from UNC in quantitative sociology, and prior to the founding of FGI, was on the faculty in the UNC School of Business.

Many of our projects are for commercial clients such as Wachovia, Piedmont Airlines, Hanes, NCNB, Duke Power and other major corporations in the Southeast. FGI has also conducted numerous research and data collection projects in the fields of health care and social sciences. Our health-care clients include several of the largest hospitals in North Carolina, along with health-care providers such as Kaiser Permanente. We are currently involved in a significant federally funded project being conducted by Bowman Gray School of Medicine.

Social science projects conducted in the last year include a major study for the National Child Welfare Leadership Forum, a statewide survey on abortion issues, and several projects regarding attitudes toward pornography. We also conducted all telephone interviews for the 1985 Public School Survey, funded by the U.S. Department of Education.

To find out more about FGI or how we can assist you, please give me a call.

Sincerely,

Steven J. Lerner

Steven J. Lerner, Ph.D.
President

F·G·I

Field Services and
Focus Group Facilities

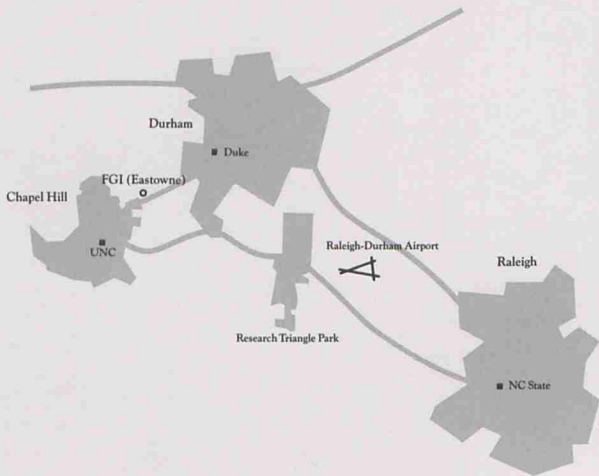
Look Forward to the Best Field Services in North Carolina

Established in 1982, FGI is a diversified marketing and research corporation employing a staff of more than 30 professionals. We provide complete marketing research services including study design, sampling, data collection, data processing and reporting.

Our facilities are conveniently located within minutes of major universities, the Duke University and University of North Carolina medical schools, the prestigious Research Triangle Park, and the Raleigh-Durham Regional Airport.

Location

FGI is located in the rapidly growing Research Triangle area of North Carolina. Boasting one of the highest education levels in the country, the Triangle area population also reflects a broad minority presence and a wide range of technical, medical and research backgrounds.



Field Services

Our comprehensive field research services include sampling, telephone and door-to-door interviewing, intercepts, mail surveys and complete data processing.

Our telephone operations center contains 40 stations. The center is staffed by professional interviewers and experienced supervisory personnel. Ninety percent of FGI interviewers are college-educated.

The center's floorplan allows close interviewer supervision, with silent monitoring for all stations. Other quality-control measures include scan-edits of all completed work and telephone callbacks to verify 10% of each interviewer's work.

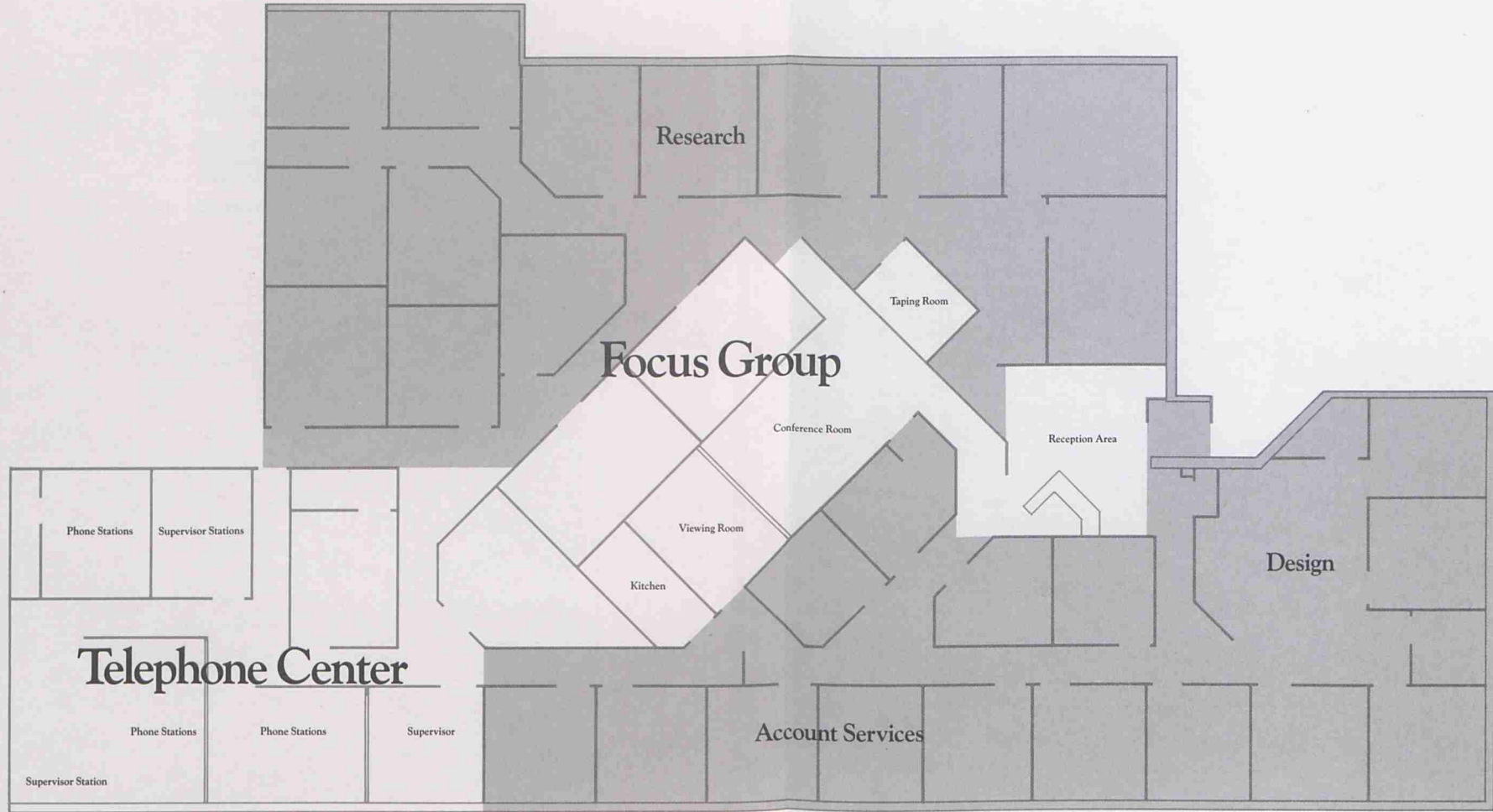
Focus Group Facilities

We operate *the* top-flight focus group facility in the Research Triangle area of North Carolina.

Our full services include study design, recruiting, moderating and reporting. Our facilities feature

- Large, professional focus group room
- Comfortable client viewing
- Audio and videotaping
- Complete kitchen facilities

We have experienced staff moderators to assist you, as well as numerous contract moderators available to meet specialized age, sex or race requirements.



For scheduling and pricing information,
please call Mr. Archie Purcell.

FGI Field Services
700 Eastowne Drive
Chapel Hill, NC 27514

919.929.7759