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Table G1

Top Five Institutions of Baccalaureate Graduation by Discipline Group for NSF Fellows: 1979-1993

	Engineering/Math/ Physical Sciences		Biological/Life Sciences		Social/Behavioral Sciences
MIT	7%	Harvard	4%	Harvard	9%
Princeton	4%	UC Berkeley	4%	Yale	4%
UC Berkeley	4%	Cornell	4%	Princeton	4%
Harvard	4%	Yale	3%	Stanford	4%
Stanford	3%	Stanford	2%	U.C. Berkeley	4%
Total percentage of Fellows from top five institutions	22%	Total percentage of Fellows from top five institutions	17%	Total percentage of Fellows from top five institutions	24%

Table G2*Selected Characteristics of Applications and Fellows by Program Component: 1979 and 1993*

	Applications				Fellows			
	GF		MGF		GF		MGF	
	1979	1993	1979	1993	1979	1993	1979	1993
Number of applications	3768	7316	520	1318				
Number of fellows (may include multiple counts for those who submitted multiple applications)					466	739	58	131
Percentage who are:								
White	90.4%	75.0%	0	0	90.3%	71.2%	0	0
Asian/Native Pacific Islander	2.6%	7.8%	0	3.9%	2.8%	10.3%	0	7.6%
African American	2.3%	9.0%	69.0%	54.2%	1.5%	6.2%	55.2%	35.9%
Hispanic	1.4%	6.3%	26.7%	37.5%	1.7%	9.6%	36.2%	48.1%
Native American/Alaskan	0.2%	0.8%	4.2%	4.5%	0.2%	1.8%	8.6%	8.4%
Unknown	3.2%	1.1%	0	0	3.4%	0.9%	0	0
Percentage from RU1 BA institution	48.6%	52.5%	26.5%	40.3%	61.6%	69.1%	32.8%	66.4%
Engineering	13.2%	24.8%	10.4%	26.8%	10.3%	30.6%	5.2%	34.4%
Math/Computer Science	10.8%	10.9%	6.0%	11.7%	10.9%	10.6%	3.4%	9.2%
Physical Sciences	21.5%	14.7%	14.6%	9.3%	20.8%	12.7%	19.0%	6.9%
Life Sciences	31.4%	28.6%	31.0%	23.1%	34.1%	23.7%	32.8%	22.9%
Social Sciences	15.9%	14.7%	25.0%	21.2%	16.7%	15.7%	24.1%	18.3%
Behavioral Sciences	7.1%	6.3%	13.1%	7.9%	7.1%	6.8%	15.5%	8.4%
Mean age	23.4	24.6	25.0	25.4	23.0	23.8	24.1	24.5
Mean Quantitative GRE	692	698	495	586	758	750	586	695
Mean Verbal GRE	615	603	448	494	700	669	564	608
Mean GPA	3.6	3.5	unk	3.25	3.8	3.8	unk	3.6
Mean years since BA	.8	1.6	1.6	1.9	0.8	1.2	1.9	1.6

Table G3*Selected Characteristics of Applications and Fellows by Gender: 1979 and 1993*

	Applications				Fellows			
	Women		Men		Women		Men	
	1979	1993	1979	1993	1979	1993	1979	1993
Number of applications	1447	3858	2841	4776				
Number of fellows (may include multiple counts for those who submitted multiple applications)					146	379	378	491
Percentage by gender	34%	45%	66%	55%	29%	43%	71%	57%
Percentage who are:								
White	74.9%	59.1%	81.8%	67.2%	77.4%	56.5%	81.5%	63.5%
Asian/Native Pacific Islander	1.8%	7.1%	2.5%	7.2%	2.1%	12.4%	2.6%	7.9%
African American	15.9%	20.2%	7.5%	12.4%	10.3%	15.8%	6.3%	6.7%
Hispanic	4.1%	11.2%	4.6%	11.0%	5.5%	10.6%	5.6%	19.1%
Native American/Alaskan	0.9%	1.7%	0.6%	1.1%	2.7%	4.0%	0.5%	1.8%
Unknown	2.4%	0.8%	3.0%	1.0%	2.1%	0.8%	3.4%	0.8%
Percentage from RU1 BA institution	37.2%	45.5%	50.4%	54.9%	47.9%	64.6%	62.4%	71.9%
Engineering	5.0%	18.5%	16.9%	30.4%	1.4%	33.2%	13.0%	29.5%
Math/Computer Science	6.6%	8.0%	12.0%	13.5%	2.7%	6.3%	13.0%	13.4%
Physical Sciences	12.6%	10.6%	24.9%	16.5%	11.6%	6.9%	24.1%	15.7%
Life Sciences	39.9%	34.8%	27.0%	22.1%	47.3%	29.0%	28.8%	19.3%
Social Sciences	22.0%	18.6%	14.4%	13.4%	21.9%	16.1%	15.9%	16.1%
Behavioral Sciences	13.9%	9.6%	4.8%	4.0%	15.1%	8.4%	5.3%	5.9%
Mean age	24.1	24.9	23.3	24.5	23.4	24.3	22.9	23.6
Mean Quantitative GRE	611	642	701	713	684	718	760	759
Mean Verbal GRE	590	571	602	598	691	648	682	669
Mean GPA	3.6	3.5	3.6	3.5	3.8	3.7	3.8	3.8
Mean years since BA	1.2	1.8	0.8	1.5	1.2	1.6	0.8	1.1

Table G4.1*Success Rates of GF Applicants by Type of Undergraduate Institution*

		Numbers and Success Rates			Percentages by Type of Undergraduate Institution		
		1979-1983	1984-1988	1989-1993	1979-1983	1984-1988	1989-1993
RU1	Applicants	7400	9722	14187	49.3%	50.8%	53.8%
	Fellows	1310	1605	2352	62.1%	67.4%	68.6%
	Success rate	18%	17%	17%			
Doc/RU2	Applicants	2629	3358	4497	17.5%	17.5%	17.1%
	Fellows	302	299	457	14.3%	12.6%	13.3%
	Success rate	11%	9%	10%			
LA1	Applicants	2236	2670	3584	14.9%	13.9%	13.6%
	Fellows	321	297	373	15.2%	12.5%	10.9%
	Success rate	14%	11%	10%			
All other	Applicants	2739	3403	4081	18.3%	17.8%	15.5%
	Fellows	178	180	247	8.5%	7.6%	7.2%
	Success rate	7%	5%	6%			
Total	Applicants	15004	19153	26349	100.0%	100.0%	100.0%
	Fellows	2111	2381	3429	100.0%	100.0%	100.0%
	Success rate	14%	12%	13%			

Table G4.2
Success Rates of MGF Applicants by Type of Undergraduate Institution

		Numbers and Success Rate			Percentage by Type of Undergraduate Institution		
		1979-1983	1984-1988	1989-1993	1979-1983	1984-1988	1989-1993
RU1	Applicants	525	966	2108	28.0%	33.3%	39.7%
	Fellows	109	150	355	38.2%	58.6%	62.0%
	Success rate	21%	16%	17%			
Doc/R2	Applicants	340	524	880	18.2%	18.1%	16.6%
	Fellows	57	40	64	20.0%	15.6%	11.2%
	Success rate	17%	8%	7%			
LA 1	Applicants	147	205	325	7.8%	7.1%	6.1%
	Fellows	35	28	46	12.3%	10.9%	8.0%
	Success rate	24%	14%	14%			
All other	Applicants	861	1203	1998	46.0%	41.5%	37.6%
	Fellows	84	38	108	29.5%	14.8%	18.9%
	Success rate	5%	3%	5%			
Total	Applicants	1873	2898	5311	100.0%	100.0%	100.0%
	Fellows	285	256	573	100.0%	100.0%	100.0%
	Success rate	15%	9%	11%			

Table G5*Destination Institutions by Discipline Group for GF Fellows: 1979-1993*

Engineering/Math/Physical Sciences		Biological/Life Sciences		Social/Behavioral Sciences	
Stanford	15%	UC Berkeley	8%	MIT	13%
MIT	15%	Stanford	7%	Harvard	12%
UC Berkeley	11%	Harvard	7%	Stanford	11%
Harvard	6%	Cornell	7%	UC Berkeley	7%
Princeton	6%	MIT	5%	U. Chicago	6%
Total percentage of Fellows in top five institutions	53%	Total percentage of Fellows in top five institutions	34%	Total percentage of Fellows in top five institutions	48%
Ca. Inst. Technology	5%	U. Wisconsin	5%	U. Michigan	5%
Cornell	4%	U. Washington	5%	Princeton	4%
U. Illinois	3%	UC San Francisco	3%	U. Pennsylvania	4%
Carnegie Mellon	3%	UC San Diego	3%	Yale	4%
U. Wisconsin	2%	Yale	3%	Cornell (tie)	3%
				U. Wisconsin (tie)	3%
Total percentage of Fellows top ten institutions	69%	Total percentage of Fellows in to ten institutions	53%	Total percentage of Fellows in top ten institutions	67%

Table G6*Destination Institutions by Discipline Group for MGF Fellows: 1979-1993*

(* = an institution that also appears in the first 10 destinations for GF fellows)					
Engineering/Math/Physical Sciences		Biological/Life Sciences		Social/Behavioral Sciences	
MIT*	13%	UC Berkeley*	8%	UC Berkeley*	9%
Stanford*	12%	Stanford*	5%	Stanford*	9%
UC Berkeley*	12%	Cornell*	4%	Harvard*	8%
Cornell U.*	4%	MIT*	4%	U. Michigan*	8%
U. Illinois*	4%	UC San Diego*	4%	MIT*	6%
Total percentage of Fellows in top five institutions.	48%	Total percentage of Fellows in top five institutions	25%	Total percentage of Fellows in top five institutions	40%
U. Texas	3%	UC San Francisco*	4%	Princeton*	4%
Georgia Inst. Tech	3%	Harvard*	3%	Cornell*	4%
Princeton U.*	3%	NC State-Raleigh	3%	Yale*	3%
Rice U.	3%	UC Davis	3%	Johns Hopkins	2%
Harvard*	2%	U. Michigan	2%	UC Santa Cruz	2%
Total percentage of Fellows in top ten institutions	59%	Total percentage of Fellows in top ten institutions	38%	Total percentage of Fellows in top ten institutions	55%

Tables for Transition Point Two

Table G7
Advantages and Disadvantages of the NSF Graduate Research Fellowship

	Disciplinary Fellows	WENG Fellows	MGF Fellows
	Percentage responding yes		
Advantages			
Full-time study allowed for a quicker start in program	57%	51%	58%
Will/did shorten my time to degree completion	37%	33%	30%
Reputation among faculty as a good student	70%	74%	60%
Perception by peers as being a good student	50%	35%	45%
Better opportunity to choose research projects	34%	56%	49%
I was an asset to faculty to work on their projects because I had my own funding	36%	72%	61%
Having it on my CV helped/will help in job search	67%	59%	66%
Financial support (stipend)	84%	89%	89%
Tuition assistance (COE Allowance)	65%	74%	69%
Other	7%	12%	6%
Disadvantages			
No office space provided by department	2%	10%	5%
Less opportunity to work with faculty on their research projects (RA)	5%	5%	5%
Less opportunity to work collaboratively with other students	4%	13%	7%
Less opportunity to teach (TA)	23%	18%	18%
Isolated from other students in program	6%	3%	4%
Could not live on stipend alone	9%	17%	15%
Support only lasted 3 years	46%	42%	46%
Other	12%	12%	11%
Did institution offer financial support after fellowship ended?			
Yes	76%	61%	65%
No	7%	9%	11%
Not applicable	17%	30%	24%

Table G8
Eleven-Year Doctoral Completion Rates by Gender and Discipline

	Women Fellows		Men Fellows		Difference
	Number	% Completed	Number	% Completed	
Engineering					
1979-1983	44	56.8%	289	65.5%	-8.7
1984-1988	103	64.1%	386	68.5%	-4.4
Comp Sci/Math					
1979-1983	35	42.8%	204	66.7%	-23.9
1984-1988	49	37.1%	244	66.0%	-28.9
Physical Sciences					
1979-1983	110	68.2%	394	81.8%	-13.6
1984-1988	115	76.6%	404	82.3%	-5.7
Biological Sciences					
1979-1983	340	71.0%	416	69.8%	+1.2
1984-1988	375	78.5%	388	78.7%	-0.2
Social Sciences					
1979-1983	158	47.5%	234	62.4%	-14.9
1984-1988	166	56.5%	225	65.0%	-8.5
Behavioral Sciences					
1979-1983	107	68.3%	67	68.6%	-0.3
1984-1988	109	78.9%	72	76.5%	+2.4
Total					
1979-1983	794	63.6%	1603	70.4%	-6.8
1984-1988	917	71.5%	1719	73.6%	-2.1

Table G9*Completion Rates of 1979-1988 NSF Fellows and Non-Awardees Completing Doctoral Study by 1999 by Gender and Quality Group*

		Men			Women			Total		
		NSF Fellows		Q2	NSF Fellows		Q2	NSF Fellows		Q2
		Q1	Q2	Non-Awd	Q1	Q2	Non-Awd	Q1	Q2	Non-Awd
Math	% Completed	74.2	76.0	66.0	63.6	63.0	71.4	74.0	72.3	66.1
	Number	155	87	105	11	32	7	166	119	112
Comp Science	% Completed	66.0	50.0	76.0	41.7	41.4	75.0	63.2	48.1	54.4
	Number	105	102	87	12	29	4	117	131	90
Physical Sci	% Completed	84.0	83.6	78.0	75.0	73.8	57.9	82.7	80.5	76.9
	Number	474	324	371	76	149	19	550	473	390
Engineering	% Completed	74.7	61.3	51.3	73.5	59.8	57.1	74.6	60.9	51.6
	Number	388	287	318	49	97	21	437	384	339
EMP Total	% Completed	78.0	71.0	64.4	70.9	65.1	60.8	76.9	69.0	64.2
	Number	1122	800	880	148	307	51	1270	1107	931
Bio/Life Sci	% Completed	76.0	75.0	78.0	79.9	74.4	57.1	77.1	74.6	72.2
	Number	522	282	406	293	422	147	815	704	553
Social Sciences	% Completed	69.3	60.8	56.5	52.0	60.4	54.9	64.0	60.6	56.2
	Number	293	166	237	127	197	71	420	363	308
Behavioral Sci	% Completed	76.1	70.6	83.8	84.0	68.2	64.8	80.4	68.9	75.4
	Number	88	51	72	106	110	54	194	161	126
Soc/Beh. Sci Total	% Completed	71.0	63.1	63.0	66.5	63.2	59.2	69.2	63.2	61.8
	Number	381	217	309	233	307	125	614	524	434
All Fields	% Completed	70.5	70.2	67.5	73.3	68.3	58.5	75.3	69.4	66.1
	Number	2025	1299	1595	674	1036	323	2699	2335	1918

Table G10*Completion Rates of NSF Fellows and Non-Awardees Completing Doctoral Study by 1999 by Discipline and Quality Group*

	I: EMP			II: BLS			III: B&S			IV: Total		
	NSF Fellows QG 1	NSF Fellows QG2	QG 2-Non Award	NSF Fellows QG 1	NSF Fellows QG2	QG 2-Non Award	NSF Fellows QG 1	NSF Fellows QG2	QG 2-Non Award	NSF Fellows QG 1	NSF Fellows QG2	QG 2-Non Award
Graduated within 6 years of award												
1979- 1983	54.6%	46.8%	41.8%	42.0%	40.8%	41.2%	39.9%	30.9%	35.4%	47.8%	41.3%	40.0%
1984- 1988	53.4%	49.0%	38.4%	48.0%	43.4%	52.2%	42.3%	33.9%	30.4%	49.4%	44.1%	40.5%
1989- 1993	40.8%	37.3%	41.8%	47.0%	42.0%	48.4%	42.4%	37.6%	31.8%	42.6%	38.5%	41.1%
Graduated within 11 years of award												
1979- 1983	76.0%	66.4%	63.6%	71.7%	68.9%	67.4%	63.0%	57.2%	58.4%	71.6%	65.1%	63.4%
1984- 1988	75.3%	68.1%	61.8%	79.2%	77.6%	75.3%	70.2%	61.4%	57.1%	75.2%	69.5%	64.5%
Graduated within 16 years or more of award												
1979- 1983	78.2%	69.2%	65.7%	73.5%	71.2%	69.0%	66.5%	62.8%	65.0%	74.0%	68.4%	66.4%

Table G11*Completion Rates of GF Fellows and MGF Fellows by Discipline Group*

	I: EMP		II: BLS		III: B&S		IV: Total	
	GF	MGF	GF	MGF	GF	MGF	GF	MGF
Graduated within 6 years of award								
1979-1983	52.3%	39.4%	43.7%	23.9%	36.6%	30.0%	46.2%	30.9%
1984-1988	52.6%	38.4%	46.3%	43.4%	40.8%	27.2%	48.4%	35.9%
1989-1993	41.5%	25.6%	44.2%	50.1%	41.9%	35.2%	42.3%	33.8%
Graduated within 11 years of award								
1979-1983	72.7%	50.2%	72.8%	51.1%	62.6%	49.5%	70.6%	50.3%
1984-1988	73.4%	58.5%	78.7%	75.1%	69.1%	52.2%	74.1%	61.0%
Graduated within 16 years or more of award								
1979-1983	74.7%	53.8%	74.4%	55.6%	67.1%	51.3%	73.0%	53.6%

Table G12*Eleven- Year Doctoral Completion Rates by Fellowship Type and Discipline*

	MGF Fellows		GF Fellows		Difference
	Number	% Completed	Number	% Completed	
Engineering					
1979-1983	26	38.4%	306	66.8%	-28.4
1984-1988	51	55.0%	438	69.0%	-14.0
Comp Sci/Math					
1979-1983	18	39.0%	221	65.2%	-26.2
1984-1988	16	37.6%	277	66.1%	-28.5
Physical Sciences					
1979-1983	40	62.5%	464	80.2%	-17.7
1984-1988	32	75.0%	487	81.6%	-6.6
Biological Sciences					
1979-1983	88	51.1%	668	72.8%	-21.7
1984-1988	69	75.1%	694	78.7%	-3.6
Social Sciences					
1979-1983	71	45.1%	321	58.9%	-13.8
1984-1988	58	44.7%	333	64.2%	-19.5
Behavioral Sciences					
1979-1983	42	57.1%	132	72.0%	-14.9
1984-1988	30	66.7%	151	80.2%	-13.5
Total					
1979-1983	285	50.3%	2112	70.6%	-20.3
1984-1988	256	61.0%	2380	74.1%	-13.1

Table G13*Completion Rates of MGF Fellows and Non-Awardees by Discipline Group*

	I: EMP			II: BLS			III: B&S			IV: Total		
	NSF MGF Fellows		QG 2-Non Award	NSF MGF Fellows		QG 2-Non Award	NSF MGF Fellows		QG 2-Non Award	NSF MGF Fellows		QG 2-Non Award
	QG 1	QG2		QG 1	QG2		QG 1	QG2		QG 1	QG2	
Graduated within 6 years of award												
1979- 1983	35.3%	42.0%	16.7%	23.1%	24.5%	16.1%	35.3%	25.9%	7.9%	31.5%	30.4%	13.4%
1984- 1988	39.4%	37.8%	36.1%	44.3%	42.3%	35.4%	27.3%	27.3%	11.1%	37.2%	34.5%	28.8%
1989- 1993	26.4%	25.2%	18.9%	53.9%	42.5%	41.6%	36.6%	32.2%	24.0%	36.1%	30.9%	26.0%
Graduated within 11 years of award												
1979- 1983	49.9%	50.0%	27.8%	56.5%	46.8%	42.0%	58.9%	42.0%	34.2%	55.7%	45.8%	34.4%
1984- 1988	67.2%	45.9%	58.5%	79.3%	69.1%	51.6%	59.2%	45.5%	37.0%	68.3%	51.4%	50.1%
Graduated within 16 years or more of award												
1979- 1983	58.7%	52.0%	30.6%	61.7%	50.9%	45.2%	62.9%	45.2%	42.1%	61.3%	48.9%	39.2%

Table G14*Completion Rates of 1979-1988 NSF Fellows and Non-Awardees Completing Doctorate by 1999 by Program Category and Quality Group*

		Graduate Fellows			Minority Graduate Fellows			Total		
		NSF Fellows		Q2	NSF Fellows		Q2	NSF Fellows		Q2
		Q1	Q2	Non-Awd	Q1	Q2	Non-Awd	Q1	Q2	Non-Awd
Math	% Completed	74.8	73.6	67.3	60.0	55.6	50.0	74.0	72.3	66.1
	Number	151	110	104	15	9	8	166	119	112
Comp Science	% Completed	65.5	49.6	54.8	0	16.7	50.0	63.2	48.1	54.4
	Number	113	125	84	4	6	6	117	131	90
Physical Science	% Completed	83.0	81.8	78.1	78.9	64.7	60.0	82.7	80.5	76.9
	Number	512	439	365	38	34	25	550	473	390
Engineering	% Completed	76.2	62.7	53.6	57.9	44.7	33.3	74.6	60.9	51.6
	Number	399	346	306	38	38	33	437	384	339
EMP Total	% Completed	78.0	70.5	65.8	64.2	51.7	45.8	76.9	69.0	64.2
	Number	1175	1020	859	95	87	72	1270	1107	931
Bio/Life Sci	% Completed	77.7	76.5	75.2	72.0	58.7	48.4	77.1	74.6	72.2
	Number	733	629	491	82	75	62	815	704	553
Social Sciences	% Completed	65.9	64.2	59.1	52.5	45.7	38.6	64.0	60.6	56.2
	Number	361	293	264	59	70	44	420	363	308
Behavioral Science	% Completed	81.6	73.6	81.9	75.0	52.8	42.9	80.4	68.9	75.4
	Number	158	125	105	36	36	21	194	161	126
Soc/Beh Sci Total	% Completed	70.7	67.0	47.6	61.1	48.1	40.0	69.2	63.2	61.8
	Number	519	418	369	95	106	65	614	524	434
All Fields	% Completed	76.3	71.6	68.4	65.4	52.2	44.7	75.3	69.4	66.0
	Number	2627	2067	1719	272	268	199	2699	2335	1918

Tables for Transition Point Three

Table G15.1

Type of Organization of Employment for Disciplinary Fellows and Peers as of January 1999

	Mech. Engineering		Mathematics		Biochemistry		Economics	
	Peer	Fellow	Peer	Fellow	Peer	Fellow	Peer	Fellow
Number responding	25	34	26	33	23	15	34	44
Doctoral university + medical school	24%	27%	12%	52%	48%	53%	29%	61%
Those with master's degrees	20%	17%			17%			50%
Those with doctoral degrees	14%	21%	8%	43%	29%	29%	25%	45%
Other higher education			19%	9%	9%		6%	2%
Federal government or National Lab			19%		4%		9%	9%
Other non-profit/ international/other		3%		9%	17%	7%	12%	11%
Elementary/sec education			4%			7%	6%	
Military	4%							
Small business	12%	6%	4%	6%		7%	3%	
Other business	52%	62%	19%	18%	13%	7%	9%	16%
Those with master's degrees	60%	61%	17%	25%		33%	27%	50%
Those with doctoral degrees	14%	25%	5%	8%	7%		33%	10%
Self-employed	4%		4%			13%	3%	
Blank	4%	1%	15%	2%	4%	1%		

Table G15.2*Type of Organization of Employment for WENG and MGF Fellows as of January 1999*

	WENG Fellows		MGF Fellows				
			All MGF respondents	Engineering	M/CS/PS	BLS	SBS
Number responding	79		35	34			
							Data not tabulated because of small numbers and low completion rate for this question.
Doctoral university + medical school	9%		26%	18%			
Those with master's degrees	4%		12%	8%			
Those with doctoral degrees	10%		11%	12%			
Other higher education	4%		3%	5%			
Federal government or National Lab	44%		6%	9%			
Other non-profit/ international/other	7%		3%	33%			
Elementary/secondary education							
Military			6%	5%			
Small business	6%		6%	5%			
Other business	55%		37%	41%			
Those with master's degrees	52%		35%	46%			
Those with doctoral degrees	31%		7%	18%			
Self-employed	2%		3%	5%			
Blank	6%		6%	9%			

Table G16.1*Type of Position Held by Disciplinary Fellows and Peers in January 1999*

	Mechanical Engineering		Mathematics		Biochemistry		Economics	
	Peers	Fellows	Peers	Fellows	Peers	Fellows	Peers	Fellows
Number responding	25	34	26	33	23	15	34	44
Postdoctoral fellow		6%	15%	39%	52%	47%		
Non-tenure track faculty		3%	4%	15%			3%	
Tenure-track faculty	12%	6%	19%	12%	9%	7%	35%	61%
Tenured faculty								3%
Researcher (not faculty)	8%	3%			4%		3%	3%
Administrator/manager								
Clerical/support								
Other	4%	3%			13%			
Total, higher education	24%	20%	36%	63%	77%	53%	44%	66%
Owner/partner		3%				13%	9%	
Administrator/manager	8%	6%				7%	3%	
Professional	52%	61%	39%	27%	17%	20%	29%	32%
Those with masters	53%	61%	33%	50%	17%	33%	33%	50%
Those with doctorate	9%	25%	16%	13%	7%	8%	22%	22%
Clerical/support								
Consultant	8%	3%					13%	
Other	4%		7%					3%
Total, All other	72%	74%	48%	30%	18%	40%	56%	34%
Blank	4%	6%	15%	6%	4%	7%		

Table G16.2*Type of Position Held by WENG and MGF Fellows in January 1999*

	WENG Fellows		MGF Fellows			
		All MGF Fellows	Engineering	M/CS/PS	BLS	SBS
Number responding	53	35	22			
					Data not tabulated because of small numbers for this questions	
Postdoctoral fellow	2%					
Non-tenure track faculty	2%	3%	5%			
Tenure-track faculty	8%	17%	5%			
Tenured faculty	4%	6%				
Researcher (not faculty)	3%	3%	5%			
Administrator/manager						
Clerical/support		3%	20%			
Other	2%	3%	20%			
Total, higher education	18%	31%	14%			
Owner/partner	6%					
Administrator/manager	4%		0			
Professional	59%	51%	68%			
Those with masters	44%	47%	69%			
Those with doctorate	35%	53%	29%			
Clerical/support						
Consultant	8%	6%	5%			
Other		6%	5%			
Total, All other	77%	63%	80%			
Blank	6%	6%	9%			

Table G17.1*Primary Responsibility in Employment for Disciplinary Fellows and Peers in January 1999*

	Mechanical Engineering		Mathematics		Biochemistry		Economics	
	Peer	Fellow	Peer	Fellow	Peer	Fellow	Peer	Fellow
Number Responding	25	34	26	33	23	15	34	44
Research and/or development	56%	56%	30%	76%	65%	60%	53%	75%
Those with master's			6%					
Teaching/training	8%	3%	27%	9%	13%		11%	7%
Information technology			4%	3%				
Legal services			8%		4%		9%	
Finance								
Manufacturing/engineering related services	20%	27%				7%		3%
Those with master's	7%		17%					
Writing/editing	4%					7%		3%
Marketing/sales							3%	
Finance			4%				12%	3%
Planning/budget	4%							
General admin./ management	4%	3%	8%				3%	5%
Other		6%	4%		13%	13%	6%	3%
Blank	4%	6%	15%	6%	4%	7%		

Table G17.2*Primary Responsibility in Employment for WENG and MGF Fellows in January 1999*

	WENG Fellows		MGF Fellows	
			All MGF	Engineering
Number Responding	50		35	22
Research and/or development	40%		49%	50%
Those with masters	11%			
Teaching/training	6%		9%	5%
Information technology	4%		6%	
Legal services	2%			
Finance				
Manufacturing/engineering related services	32%		14%	23%
Those with masters	3%			
Writing/editing			3%	5%
Marketing/sales			3%	
Finance				
Planning/budget			3%	5%
General administrative/management			3%	
Other	4%		3%	5%
Blank	8%		6%	9%

Table G18.1*Professional Productivity of Disciplinary Fellows and Peers since Graduate School*

	Mechanical Engineering		Mathematics		Biochemistry		Economics	
	Peer	Fellow	Peer	Fellow	Peer	Fellow	Peer	Fellow
Number responding	25	34	26	33	23	14	35	44
Presentations (National and/or International)								
0	56%	59%	54%	30%	57%	36%	46%	21%
1	16%	15%	15%	12%	13%	36%	11%	5%
2 or more	28%	27%	31%	58%	30%	29%	43%	75%
Non-Refereed Articles Published								
0	92%	85%	100%	84%	91%	86%	77%	54%
1	4%	9%		6%	9%	7%	3%	16%
2 or more	4%	6%		9%		7%	20%	30%
Refereed Articles Published								
0	72%	85%	65%	28%	57%	43%	69%	21%
1	20%	6%	8%	16%	17%	21%	9%	16%
2 or more	8%	9%	27%	56%	26%	36%	23%	64%
At Least One Book or Chapter Published	4%		4%	13%	9%	7%	17%	32%
At Least One Grant or Contract as PI	17%	3%	4%	9%	5%	3%	7%	48%

Table G18.2*Professional Productivity of WENG and MGF Fellows since Graduate School*

	WENG Fellows	MGF Fellows	
		All MGF	Engineering
Number responding	57	35	22
Presentations (National and International)			
0	72%	57%	68%
1	7% ⁵	14%	5%
2 or more	21%	29%	27%
Non-Refereed Articles Published			
0	91%	91%	95%
1	4%	3%	5%
2 or more	6%	6%	
Refereed Articles Published			
0	76%	77%	77%
1	9%		
2 or more	15%	24%	23%
At Least One Book or Chapter Published	7%	12%	14%
At Least One Grant or Contract as PI	6%	13%	5%

Table G19.1*Teaching and Professional Service for Disciplinary Fellows and Peers since Graduate School*

	Mechanical Engineering		Math		Biochemistry		Economics	
	Peer	Fellow	Peer	Fellow	Peer	Fellow	Peer	Fellow
Number responding	16	24	21	27	16	10	31	41
Teaching Activities since Graduate School								
Taught an undergraduate course	38%	25%	62%	82%	19%	0	42%	66%
Taught a graduate course	25%	17%	10%	52%	13%	0	36%	68%
Team taught a course	25%	4%	0	11%	13%	0	10%	15%
Taught on site in bus/industry	25%	17%	10%	7%	6%	0	16%	2%
Mentored/tutored junior/senior high school	13%	8%	24%	11%	25%	10%	3%	0
Mentored undergraduates	19%	25%	52%	37%	38%	20%	26%	51%
Mentored graduate students	25%	13%	19%	26%	38%	20%	29%	54%
Member, dissertation committee	13%	0	0	22%	0	0	13%	56%
Professional Service since Graduate School								
Reviewed manuscript/chapter	39%	28%	27%	63%	27%	60%	45%	77%
Institutional/company-wide committee	17%	24%	0	22%	20%	10%	26%	31%

Table G19.2*Teaching and Professional Service for WENG and MGF Fellows since Graduate School*

	WENG Fellows	MGF Fellows	
		All MGF	Engineering
Number responding	37	25	15
Taught an undergraduate course	22%	36%	20%
Taught a graduate course	14%	24%	20%
Team taught a course	14%	8%	13%
Taught on site in business/industry	27%	20%	13%
Mentored/tutored junior/senior high school	14%	16%	20%
Mentored undergraduates	27%	28%	20%
Mentored graduate students	16%	20%	20%
Member, dissertation committee	5%	16%	7%
Reviewed manuscript/chapter	31%	36%	33%
Institutional/company-wide committee	19%	28%	13%

