Affirmative Action Report: New Hires at Assistant Professor Level, Fall 1992

For the past several years we have reviewed faculty hiring patterns to gain a better understanding of some of the opportunities for, and obstacles to, achieving good representation of women and minorities on the Penn faculty. The resultant tables contain information about Penn, information about the pool of available Ph.D.s, and the first estimate of possible faculty composition by race and sex had our new hires strictly reflected the available pool.

As in earlier years, the full report consists of three tables for each department. "Table A—Current Standing Faculty 1992"—shows the distribution of standing faculty by rank, race, and sex as of *Fall 1992*. And "Table C—All New Hires by Rank: 1982-1992"—shows actual new faculty by race and sex, both junior and senior level, hired during the period in question.

The presentation that follows is summarized from "Table B—Hiring Practices: Assistant Professor"—which consists of several parts. First, we obtained counts, by race and sex, of all assistant professors hired during the period from Fall 1982 to Fall 1992. These were derived from the official records in the Deputy Provost's Office, with verification of the most recent year by each individual school. Next, we obtained the best information we could about U.S. production of advanced degrees, usually Ph.D.s, in the disciplines most closely associated with each department. Using the "availability" data and the number of new hires during the period, we calculated the hypothetical distribution of the newly-hired faculty by race and sex and compared that with the actual distribution of new assistant professors.

Assume, for example, that there were 1,000 doctorates awarded in a given discipline from 1981 to 1991, of which 300 were earned by women and 700 by men; if Penn's department associated with that discipline hired 20 assistant professors during the period July 1982 to July 1992, our calculations would have expected 6 women (30 percent) and 14 men (70 percent).

While we put a great deal of effort into obtaining, validating, and tabulating the data for these reports, we recognize some inherent shortcomings in our approach. For this reason, we call our estimates "first approximations." We wish to outline some of the strengths and weaknesses of the report below, so that you can keep them in mind as you use the tables.

- Penn faculty data include both U.S. and non-U.S. citizens. In fact, a number of minority faculty, particularly
 those classified as Asian, are not citizens. The availability data provide racial breakdowns only for U.S.
 citizens.
- Clearly, Penn does not hire its young faculty from the entire pool of new Ph.D.s in the U.S. Because it is impossible to obtain data on an institution-by-institution basis, we cannot focus our analysis on those schools, here or abroad, where we tend to recruit faculty in various fields.
- Departments often recruit new faculty in particular sub-specialities in order to strengthen or round out their existing faculties. The availability data are general, and we cannot assume that the racial and gender distributions of Ph.D.s in sub-specialities are necessarily proportional to the discipline as a whole.
- Our payroll/personnel records include only those who actually accept appointments at Penn. We have no information about affirmative action efforts in terms of applicants or rejected offers.
- For some Penn departments we had disciplinary data that are only approximate matches; for example, we
 used anthropology as a surrogate for Folklore and Folklife.
- For some Penn departments, we are unable even to provide an appropriate substitute; these departments are included without "proportional" hiring patterns.
- In the clinical area of Medicine, our data source provides a distribution of actual M.D.s employed in U.S. medical school faculties in 1992. Even these data are sparse, and hence some clinical areas are omitted from our reports. In addition, some availability data in certain areas have been included at the end of the report in order to detail trends and proportions (Fine Arts M.A.s and Ph.D.s, students enrolled in Clinical Dentistry departments, and Medical School and Veterinary School graduates).

Despite these caveats and exceptions, many of the availability data we provide are useful for understanding the volume of advanced degrees awarded to women and minorities in various fields during the last few years. These should provide an approximate basis for assessing the recent affirmative action efforts of Penn departments.

The full Affirmative Action Report is available for each school in the office of its dean. Copies are also available from the Office of the Provost.

- Michael Aiken, Provost

University of Pennsylvania Standing Facuty New Hires at Assistant Professor Rank, 1982-92 National Ph.D. Pool 1981-91: Proportional Representation by Gender and Race

	New 1982	Hires -92		ortional esentation		New Hi 1982-9				portiona resenta			US PhD 1981-91
Department	Men	Women	Men	Women	White	Hispan	ic Asia	n Black	White F	lispanic	Asian	Black	Total
Arts & Sciences: Humanities	s												
American Civilization	1	1	1.2		1	0	0	1	1.8	0.0	0.0	0.1	3271
Asian & Middle East'n Studies		4	5.5		8	0	1	0	7.7	0.1	1.3	0.0	381
Art History	1	3	1.2	-	4	0	0	0	3.8	0.1	0.1	0.0	1529
Classical Studies	3	0	1.8	1.2	3	0	0	0	3.0	0.0	0.0	0.0	594
English	16	8	10.7		21	1	0	2	22.8	0.3	0.3	0.5	7350
Folklore & Folklife	2	1	1.5	1.5	2	0	0	1	2.8	0.1	0.1	0.1	3809
German	0	1	0.4		1	0	0	0	1.0	0.0	0.0	0.0	836
History	5	2	4.7 3.4	-	5 6	1 0	0	1	6.5	0.1	0.1	0.2	6457 2004
Linguistics Music	6 4	1 1	3.4 3.4		4	0	1 1	0 0	6.4 4.7	0.2 0.1	0.3 0.1	0.1 0.1	5214
Philosophy	4	1	3.4	-	5	0	0	0	4.7	0.1	0.1	0.1	2726
Religious Studies	1	0	0.8	0.2	1	0	0	0	0.9	0.0	0.0	0.0	2036
Romance Languages	2	4	2.2	-	5	1	0	0	4.7	1.2	0.0	0.0	3491
Slavic Languages	Ō	1	0.5		1	Ö	0	0	1.0	0.0	0.0	0.0	240
South Asia Studies	0	Ö	0.0		Ó	0	0	0	0.0	0.0	0.0	0.0	208
	·	-	0.0	0.0		Ū	J	Ü	0.0	0.0	0.0	0.0	200
Arts & Sciences: Social Scientification	ences 6	3	4.5	4.5	9	0	0	0	8.4	0.3	0.2	0.2	3809
Anthropology Economics	32	1	27.3		26	1	6	0	30.5	0.5	1.4	0.2	8907
History & Sociology of Science		1	0.6	-	1	Ö	0	0	1.0	0.0	0.0	0.0	258
Political Science	10	i	8.3	-	10	Ö	0	1	10.0	0.2	0.3	0.5	4665
Regional Science	0	Ö	0.0		0	Ö	Ö	Ö	0.0	0.0	0.0	0.0	10182
Sociology	5	5	5.5		8	0	0	2	8.9	0.4	0.3	0.5	5364
200.0.09,		· ·	0.0			·		_		•	0.0	0.0	
Arts & Sciences: Natural Sc	ience	s											
Astronomy	0	0	0.0		0	0	0	0	0.0	0.0	0.0	0.0	552
Biology	7	1	5.4	-	8	0	0	0	7.5	0.1	0.3	0.1	10501
Chemistry	8	1	7.3		8	0	1	0	8.3	0.1	0.5	0.1	12844
Geology	3	0	2.4		3	0	0	0	2.9	0.0	0.0	0.0	1480
Mathematics	15	0	12.8		10	1	4	0	14.2	0.2	0.5	0.1	4368
Physics	14	1	13.7	-	12	0	2	1	14.1	0.1	0.6	0.1	7804
Psychology	6	5	5.7	5.3	11	0	0	0	10.2	0.3	0.1	0.4	21754
Wharton	10	4	440	5.7	17	^	0	0	18.5	0.4	0.0	0.5	1405
Accounting Decision Science	16 11	4 2	14.3 10.6	5.7 2.4	11	0 0	3 2	0 0	11.6	0.1 0.1	0.8 1.1	0.5	1495 1520
Finance	19	2	18.4		18	0	3	0	18.7	0.1	1.1	0.1	1207
Health Care Systems	19	0	0.6	0.4	10	0	0	0	0.9	0.2	0.0	0.3	2242
Insurance & Risk Mgt.	3	2	NA		5	Ö	0	0	NA	NA	NA	NA	NA
Legal Studies	12	2	12.2		12	Ö	Ö	2	13.3	0.1	0.3	0.2	289
Management	16	7	18.6		17	ŏ	4	2	21.3	0.3	1.2	0.2	1707
Marketing	6	2	5.7		6	Ö	2	0	7.3	0.1	0.4	0.1	1027
Public Policy & Management	4	0	2.6		2	Ö	2	Ō	3.5	0.1	0.1	0.3	702
Statistics	6	0	4.8		3	0	3	0	5.5	0.1	0.4	0.1	1217
Engineering													
Bioengineering	3	0	2.5	0.5	2	0	1	0	2.7	0.1	0.2	0.0	984
Chemical Engineering	2	1	2.7		3	0	0	0	2.6	0.0	0.3	0.0	5185
Computer & Info. Science	14	1	13.8		7	0	7	1	13.1	0.1	1.7	0.1	1007
Systems	3	1	3.8		2	0	2	0	3.7	0.1	0.3	0.0	5022
Electrical Engineering	4	2	5.7		3	1	2	0	5.3	0.1	0.6	0.0	8214
Materials Science	3	2	4.4		5	0	0	0	4.5	0.0	0.5	0.0	2375
Mechanical Engineering	6	0	5.8		4	1	1	0	5.4	0.1	0.5	0.0	5463
Nursing School	0	40	1.5	38.5	38	0	0	2	37.7	0.4	0.6	1.4	2237

Table continued

University of Pennsylvania Standing Facuty New Hires at Assistant Professor Rank, 1982-92 National Ph.D. Pool 1981-91: Proportional Representation by Gender and Race

	New 198	Hires 2-92		ortional esentation		New 1982	Hires -92			roportiona epresenta			US PhD 1981-91
Department	Men	Women	Men	Women	White	Hispan	nic Asia	n Black	White	Hispanic	Asian	Black	Total
Grad. School of Education School of Social Work Annenberg School	4 1 1	11 3 2	7.0 1.6 1.7	8.0 2.4 1.3	9 3 2	0 1 0	1 0 1	5 0 0	13.3 3.4 2.7	0.4 0.1 0.0	0.2 0.1 0.1	1.0 0.4 0.2	73903 2433 2546
Graduate School of Fine Art	s												
Architecture	11	3	*	*	13	1	0	0	*	*	*	*	*
City Planning	3	0	*	*	3	0	0	0	*	*	*	*	*
Fine Arts	1 5	1 2	*	*	2 7	0 0	0	0 0	*	*	*	*	*
Landscape Architecture	_		40.4			-	-		45.4	0.5	0.4	4.0	004
Law School	11	7	12.4	5.6	18	0	0	0	15.4	0.5	0.4	1.8	884
Medical School: Basic Scien													
Anatomy [Cell and Developme Biology & Neuroscience]	3 3	1	2.6	1.4	4	0	0	0	3.8	0.1	0.1	0.0	1146
Biochemistry & Biophysics	5	2	4.8	2.2	5	0	2	Ö	6.4	0.1	0.4	0.1	7976
Human Genetics	4	2	3.3	2.7	6	0	0	0	5.6	0.1	0.3	0.0	1363
Microbiology	8	0	5.1	2.9	8	0	0	0	7.3	0.1	0.4	0.2	3009
Pharmacology	9	0	6.1	2.9	9	0	0	0	8.3	0.1	0.5	0.1	2704
Physiology	3	0	2.1	0.9	2	1	0	0	2.8	0.0	0.1	0.0	2882
Medical School: Clinical Sci													
Anesthesia	50	17	50.8	16.2	63	1	2	1	54.9	1.7	8.5	1.8	3109
Dermatology	5	6	8.5	2.5	11	0	0	0	9.5	0.5	0.8	0.2	415
Medicine	104	37	115.1	25.9	132	2	4	3	122.6		11.2	3.5	15089
Neurology Obstetrics & Gynecology	26 32	5 24	25.1 39.9	5.9 16.1	28 52	1 0	2 1	0 3	27.3 46.6	0.9 2.3	2.5 4.2	0.3 2.9	1927 2718
Ophthalmology	12	6	14.9	3.1	18	0	0	0	15.8	0.4	1.5	0.2	1205
Orthopedic Surgery	23	1	21.7	2.3	22	0	2	Ö	22.0	0.4	1.2	0.4	923
Otorhinolaryngology	11	0	9.0	2.0	10	0	1	Ö	10.1	0.1	0.7	0.1	628
Pathology	39	13	40.3	11.7	51	1	Ó	Ō	44.4	1.5	5.4	0.6	1443
Pediatrics	61	35	61.9	34.1	91	0	2	3	82.6	3.4	7.7	2.4	6855
Physical Medicine	7	5	7.5	4.5	8	0	3	1	10.0	0.2	1.4	0.4	629
Psychiatry	37	14	36.9	14.1	45	0	5	1	44.8	1.7	2.8	1.7	5600
Radiology	39	20	48.1	10.9	52	2	3	2	49.2	1.6	6.9	1.2	4307
Radiation Oncology	27	9	29.3	6.7	31	0	3	2	30.0	1.0	4.2	0.7	4307
Surgery	39	6	40.8	4.2	42	0	2	1	40.0	1.3	2.7	1.0	5763
Dental School: Basic Science	es												
Biochemistry	0	0	0.0	0.0	0	0	0	0	0.0	0.0	0.0	0.0	6995
Histology, Embriol., Anatomy	0	1	0.4	0.6	1	0	0	0	0.9	0.0	0.0	0.0	1781
Microbiology Pathology	0 2	0 0	0.0 1.4	0.0 0.6	0 2	0 0	0 0	0 0	0.0	0.0 0.0	0.0 0.1	0.0 0.0	3623 1145
**		U	1.4	0.0	_	U	U	U	1.0	0.0	0.1	0.0	1143
Dental School: Clinical Scient Clinical Departments	nces 24	11	*	*	28	1	1	5	*	*	*	*	*
Veterinary School: Basic Sc	iences	3											
Animal Biology	4	1	4.3	0.7	5	0	0	0	4.8	0.1	0.1	0.0	260
Pathobiology	6	3	6.1	2.9	7	0	1	1	8.3	0.1	0.4	0.2	1145
Veterinary School: Clinical S	Studie	s											
New Bolton Center	14	8	*	*	20	0	2	0	*	*	*	*	*
Philadelphia	15	15	*	*	30	0	0	0	*	*	*	*	*

^{*} Because the figures in these areas are both limited and inconsistent with those which comprise the national pools reflected in the bulk of this report, we have not made similar calculations for proportional representation.

Note: In this annual four-page summary of new hires, drawn from the 121-page *Affirmative Action Report for the Current Standing Faculty*, page IV has normally been used to present *Pool Sources and Substitutions*, with a notation that

Because the disciplines represented in some Penn departments are omitted from the National Research Council Reports, we have substituted data for related disciplines. We understand that these substitutions may not fully capture the acadmic direction of departments at Penn. . . . Unless otherwise indicated, the availability data source for all departments is *Summary Report*, *National Research Council [date]*.

The list of schools and departments, and the substitutions made, has not changed over the years. Sources of data are given in the full *Affirmative Action Report* available in the Office of the Dean of each school, and in the Office of the Provost. This year, page IV is used to present a related report from the Office of the Deputy Provost.

-FROM COLLEGE HALL-

Numbers of Standing Faculty at Penn by School, Tenure Status, Gender and Minority Status

For several years, the Office of the Deputy Provost has been publishing data showing the gender, ethnicity and tenure composition of the standing faculty by school. These data are as of October 31, 1992. The data show that last October the composition of the standing faculty was 20.0% Women, 2.6% Black, 1.2% Hispanic, 4.6% Asian and 73.1% White Male. The composition of the tenured faculty was 14.4% Women, 1.9% Black, 1.0% Hispanic, 3.1% Asian and 80.3% White Male.

Walter D. Wales, Deputy Provost
 Patricia Wilson, Assistant to the the Deputy Provost

Numbers of Standing Faculty at Penn by School, Gender and Ethnicity, October 31, 1992

	Total	Wh	nite	BI	ack	His	spanic	As	sian	Native American		
School	Faculty	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
Annenberg	12	7	3	1	0	0	0	1	0	0	0	
SAS	475	364	77	9	2	6	0	15	2	0	0	
Dental	56	43	7	3	2	0	0	1	0	0	0	
Education	26	18	6	1	1	0	0	0	0	0	0	
SEAS	105	79	7	1	0	3	1	14	0	0	0	
GSFA	30	24	5	0	0	1	0	0	0	0	0	
Law	30	22	4	1	2	0	0	0	0	0	1	
Medicine	839	628	150	10	6	10	1	27	7	0	0	
Nursing	47	0	44	0	3	0	0	0	0	0	0	
Social Work	15	5	6	4	0	0	0	0	0	0	0	
Vet	110	82	22	0	1	2	0	3	0	0	0	
Wharton	175	133	21	2	1	0	0	18	0	0	0	
Provost	3	1	2	0	0	0	0	0	0	0	0	
Totals	1,923	1,406	354	32	18	22	2	79	9	0	1	

Numbers of Tenured Faculty at Penn by School, Gender and Ethnicity, October 31, 1992

	Total	V	/hite	В	Black	Hisp	Hispanic		sian	Native American		
School	Faculty	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
Annenberg	10	7	2	1	0	0	0	0	0	0	0	
SAS	388	311	55	6	2	4	0	9	1	0	0	
Dental	32	28	2	1	0	0	0	1	0	0	0	
Education	20	17	3	0	0	0	0	0	0	0	0	
SEAS	83	70	3	0	0	2	0	8	0	0	0	
GSFA	23	20	3	0	0	0	0	0	0	0	0	
Law	24	18	2	1	2	0	0	0	0	0	1	
Medicine	267	227	29	1	0	3	0	6	1	0	0	
Nursing	27	0	25	0	2	0	0	0	0	0	0	
Soc. Work	11	3	4	4	0	0	0	0	0	0	0	
Vet	74	63	7	0	0	2	0	2	0	0	0	
Wharton	118	102	10	1	0	0	0	5	0	0	0	
Provost	3	1	2	0	0	0	0	0	0	0	0	
Totals	1,080	867	147	15	6	11	0	31	2	0	1	