# 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 <br> New Hires at Assistant Professor Rank, 1982-92 <br> National Ph.D. Pool 1981-91: Proportional Representation by Gender and Race 



# University of Pennsylvania Standing Facuty <br> New Hires at Assistant Professor Rank, 1982-92 

National Ph.D. Pool 1981-91: Proportional Representation by Gender and Race

| Department | New Hires 1982-92 |  | Proportional Representation |  | New Hires 1982-92 |  |  |  | Proportional Representation |  |  |  | $\begin{aligned} & \text { US PhD } \\ & \text { 1981-91 } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Men | Women | Men | Women | White | span | Asi | Black | White H | Hispanic | Asian | Black | Total |
| Grad. School of Education | 4 | 11 | 7.0 | 8.0 | 9 | 0 | 1 | 5 | 13.3 | 0.4 | 0.2 | 1.0 | 73903 |
| School of Social Work | 1 | 3 | 1.6 | 2.4 | 3 | 1 | 0 | 0 | 3.4 | 0.1 | 0.1 | 0.4 | 2433 |
| Annenberg School | 1 | 2 | 1.7 | 1.3 | 2 | 0 | 1 | 0 | 2.7 | 0.0 | 0.1 | 0.2 | 2546 |
| Graduate School of Fine Arts |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Architecture | 11 | 3 |  |  | 13 | 1 | 0 | 0 | * | * | * | * |  |
| City Planning | 3 | 0 | * |  | 3 | 0 | 0 | 0 | * | * | * | * |  |
| Fine Arts | 1 | 1 | * | * | 2 | 0 | 0 | 0 | * | * | * | * | * |
| Landscape Architecture | 5 | 2 | * | * | 7 | 0 | 0 | 0 | * | * | * | * | * |
| Law School | 11 | 7 | 12.4 | 5.6 | 18 | 0 | 0 | 0 | 15.4 | 0.5 | 0.4 | 1.8 | 884 |
| Medical School: Basic Sciences |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Anatomy [Cell and Developm Biology \& Neuroscience] |  | 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 | 0 | 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 Sciences |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 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 | 3.7 | 11.2 | 3.5 | 15089 |
| Neurology | 26 | 5 | 25.1 | 5.9 | 28 | 1 | 2 | 0 | 27.3 | 0.9 | 2.5 | 0.3 | 1927 |
| Obstetrics \& Gynecology | 32 | 24 | 39.9 | 16.1 | 52 | 0 | 1 | 3 | 46.6 | 2.3 | 4.2 | 2.9 | 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 | 0 | 22.0 | 0.4 | 1.2 | 0.4 | 923 |
| Otorhinolaryngology | 11 | 0 | 9.0 | 2.0 | 10 | 0 | 1 | 0 | 10.1 | 0.1 | 0.7 | 0.1 | 628 |
| Pathology | 39 | 13 | 40.3 | 11.7 | 51 | 1 | 0 | 0 | 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 Sciences |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Biochemistry |  | 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 | , | 0 | 0 | 0 | 0.9 | 0.0 | 0.0 | 0.0 | 1781 |
| Microbiology | 0 | 0 | 0.0 | 0.0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 3623 |
| Pathology |  | 0 | 1.4 | 0.6 | 2 | 0 | 0 | 0 | 1.8 | 0.0 | 0.1 | 0.0 | 1145 |
| Dental School: Clinical Sciences |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Veterinary School: Basic Sciences |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 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 Studies |  |  |  |  |  |  |  |  |  |  |  |  |  |
| New Bolton Center | 14 | 8 | * | * | 20 | 0 | 2 | 0 | * | * | * | * | * |
| Philadelphia | 15 | 15 | * | * | 30 | 0 | 0 | 0 | * | * | * | * | * |

[^0]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

| School | Numbers of Standing Faculty at Penn by School, Gender and Ethnicity, October 31, 1992 |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total | White |  | Black |  | Hispanic |  | Asian |  | Native Male | American Female |
|  | Faculty | 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

| School | Total | White |  | Black |  | Hispanic |  | Asian |  | Native American |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 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 | , |


[^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.

