

Originally Processed With FOIA(s):

S

FOIA Number:

S

# FOIA MARKER

**This is not a textual record. This is used as an administrative marker by the George Bush Presidential Library Staff.**

---

**Record Group/Collection:** George H.W. Bush Presidential Records  
**Collection/Office of Origin:** Speechwriting, White House Office of  
**Series:** Speech File Backup Files  
**Subseries:** Chron File, 1989-1993

---

**OA/ID Number:** 13768  
**Folder ID Number:** 13768-005

---

**Folder Title:**  
Stan Scott Tribute Dinner 9/11/91 [OA 8327] [2]

---

Stack:	Row:	Section:	Shelf:	Position:
<b>G</b>	<b>26</b>	<b>21</b>	<b>5</b>	<b>7</b>

---

---

**NATIONAL CENTER FOR EDUCATION STATISTICS**

---

**E.D. TABS**

**January 1991**

---

**Race/Ethnicity Trends  
in Degrees Conferred  
by Institutions of  
Higher Education:  
1978-79 through 1988-89**

---

**NATIONAL CENTER FOR EDUCATION STATISTICS**

---

**E.D. TABS**

**January 1991**

---

**Race/Ethnicity Trends  
in Degrees Conferred  
by Institutions of  
Higher Education:  
1978-79 through 1988-89**

William H. Freund  
Postsecondary Education Statistics Division

Data Series:  
DR-IPEDS-88/89-7.1

---

**U.S. Department of Education  
Office of Educational Research and Improvement**

**NCES 91-212**

**U.S. Department of Education**  
Ted Sanders  
*Acting Secretary*

**Office of Educational Research and Improvement**  
Christopher T. Cross  
*Assistant Secretary*

**National Center for Education Statistics**  
Emerson J. Elliott  
*Acting Commissioner*

**National Center for Education Statistics**

"The purpose of the Center shall be to collect, and analyze, and disseminate statistics and other data related to education in the United States and in other nations."—Section 406(b) of the General Education Provisions Act, as amended (20 U.S.C. 1221e-1).

January 1991

Contact:  
William H. Freund  
(202) 219-1373

## HIGHLIGHTS

The National Center for Education Statistics has released information on the number of degrees conferred by the nation's postsecondary education institutions. The data are from the Integrated Postsecondary Education Data System (IPEDS) 1988-89 Completions Survey. The survey collects information on degrees conferred by level of award (associate, bachelor's, master's, doctorate, first-professional), race/ethnicity and gender of recipients, and major field of study. This ED-TAB presents information on institutions of higher education, which are accredited by an agency recognized by the Secretary of Education.

Highlights from the survey for institutions of higher education include the following:

- The rate of growth in degrees conferred to females between 1986-87 and 1988-89 exceeded that for males at all levels of awards (table 1).
- Women accounted for a higher proportion of associate degrees (57.5 percent of 429,946) than their share of any other award level.
- In 1988-89, the number of bachelor's degrees awarded by higher education institutions exceeded the 1 million mark for the first time in the nation's history. The 1.015 million degrees awarded represents a 2.4 percent increase over 1986-87.
- Bachelor's degrees awarded to black non-Hispanics increased 2.6 percent between 1986-87 and 1988-89 from 56,555 to 58,016. This increase was solely due to increases in the number of bachelor's degrees awarded to black females. The number of degrees awarded to black males declined slightly from 22,499 in 1986-87 to 22,365 in 1988-89 (table 3).
- The most prevalent fields of study among bachelor's degree recipients in 1988-89 were business and management (246,659), social sciences (107,714), education (96,988), engineering (85,273), and health professions (59,111). No other field of study exceeded 50,000 awards in 1988-89 (table 8).
- In 1988-89, the number of master's degrees increased nearly 20,000 over 1986-87 and surpassed the 300,000 mark for the first time since 1978-79. All racial/ethnic groups contributed to the increase (table 1).
- Education and business and management, with 82,238 and 73,154 awards respectively, accounted for about 50 percent of the total master's degrees awarded in 1988-89 (table 8).
- The number of doctoral degrees awarded in 1988-89 increased 2.4 percent annually from 1986-87 to 35,692 (table 8). Over half of the increase is attributable to the growth in awards to nonresident aliens (table 5).
- The number of first-professional degrees declined slightly from 71,617 in 1986-87 to 70,758 in 1988-89. Decreases in dentistry (down 492), veterinary medicine (down 73), general law (down 489), and general theological professions (down 513) were not totally offset by increases in the other first-professional categories.

## TABLE OF CONTENTS

Highlights .....	iii
Survey Methodology .....	1
Scope .....	1
Followup .....	1
Editing .....	1
Imputations .....	2
Acknowledgments .....	2
List of Tables .....	
Table 1. Degrees conferred in institutions of higher education, by sex and level of degree: 1978-79 through 1988-89 .....	3
Table 2. Degrees conferred in institutions of higher education, by year, race/ethnicity, and level of award: 1978-79 through 1988-89 .....	4
Table 3. Bachelor's degrees conferred by institutions of higher education, by sex, race/ethnicity, and field of study: 1978-79 through 1988-89 .....	5
Table 4. Master's degrees conferred by institutions of higher education, by sex, race/ethnicity, and field of study: 1978-79 through 1988-89 .....	9
Table 5. Doctoral degrees conferred by institutions of higher education, by sex, race/ethnicity, and field of study: 1978-79 through 1988-89 .....	13
Table 6. First-professional degrees conferred by institutions of higher education, by sex, race/ethnicity, and field of study: 1978-79 through 1988-89 .....	17
Table 7. Associate degrees conferred by institutions of higher education, by sex, race/ethnicity, and field of study: 1984-85 and 1988-89 .....	19
Table 8. Degrees conferred by institutions of higher education, by level and field of study: 1978-79 through 1988-89 .....	23

## SURVEY METHODOLOGY

### Scope

The 1988-89 Completions Survey was mailed to 6,837 postsecondary education institutions. The C1 survey form was mailed to 2,663 schools offering at least a bachelor's degree and the C2 survey form was sent to 2,845 schools offering a degree or certificate of at least 2 years but less than 4 years. The C3 survey form was mailed to 1,329 schools offering awards of less than 2 years, which included 301 public institutions, and a sample of 1,028 private nonprofit and private for profit institutions.

The forms were mailed to all postsecondary institutions in July 1989. The survey results were collected from October 1989 through March 1990. During this time period 311 institutions were deleted from the universe (C1 = 68, C2 = 105, C3 = 138). The deletions (out-of-scope) resulted from formal notification by IPEDS state coordinators, the U.S. Department of Education eligibility notices, and from followup telephone calls. Included in the deletions were schools that had closed, did not offer postsecondary programs, or that were identified as duplicates on the file. After deletions, 6,526 institutions remained in-scope. These included both accredited and non-accredited schools.

Data in this report, a subset of the above counts, are for institutions of higher education — those institutions accredited by an agency recognized by the U.S. Secretary of Education. These institutions (formerly known as HEGIS institutions) were surveyed on a census basis and the overall response rate was 88.1 percent.

### Followup

Followup for nonresponse began in November 1989 and was conducted by letter and telephone. The Computer Assisted Telephone Interview (CATI) system was used to solicit data from the nonrespondents in the sample of private, less-than-2-year schools that received the C3 survey. Schools responding through CATI were asked to provide only the total number of completions, by award level and sex. Race data were not requested.

### Editing

During editing, all forms were checked for CIP code validity and addition errors. Total lines were generated and compared to the reported totals for each 2-digit program category. If these totals were within pre-established ranges, the generated total replaced the reported total. If the difference appeared larger than a simple arithmetic error, the institution was contacted to resolve the discrepancy.

The data for each institution were also checked for consistency with its prior year's response, when available. The institution was contacted for verification when data appeared inconsistent.

The overall response rate was calculated as the ratio of the number of completed survey forms divided by the number of in-scope schools; i.e., the number mailed minus the number determined to be out-of-scope. Any institution was considered a respondent if it supplied total awards by sex.

## Imputations

Two stages of imputations had to be performed for the higher education data contained in this report. In the first stage, 1986-87 survey responses were used when available for total nonrespondents to the 1988-89 survey (11.9 percent of the institutions). This was done because 1986-87 data was the most recent racial/ethnic information available. In those instances where 1986-87 completions data were unavailable, ratio estimates based on fall enrollments by level and control were used. Thus, data for approximately 10 percent of the institutions may be up to 2 years old. After this part of the imputations was completed, only three institutions were left without any information. All three were private institutions; two of the three were private 2-year institutions; and the third was a 4-year private proprietary institution.

The second stage imputation dealt with item nonresponse. In particular, some institutions were not able to completely report the race/ethnicity of award recipients. In these cases, the unknown racial/ethnic counts were proportionately distributed among the known U.S. totals of racial/ethnic categories by 2-digit program areas. The number of awards distributed in this manner were 27,696 associate degrees; 21,224 bachelor's degrees; 14,871 master's degrees; 1,138 doctoral degrees; and 1,833 first-professional degrees. These represented 6.4, 2.1, 4.8, 3.2, and 2.6 percent respectively of total awards for Associate, Bachelor's, Master's, Doctoral and First-professional awards.

There were some institutions which could not report the field of study and race/ethnicity of some award recipients. These data (5,264; 2,428; 890; and 67 degrees respectively for associate's, bachelor's, master's, and doctoral awards) were removed from the analysis. Thus, the numbers in this ED-TAB are slight undercounts of actual awards at these degree levels.

## ACKNOWLEDGMENTS

The author is grateful to Thomas Snyder and Gerald Malitz of the National Center for Education Statistics for their helpful comments on an earlier draft of this ED-TAB. Valuable comments were also received from Charles Anderson, Advisory Council of Education; and Enid Jones, American Association of Community and Junior Colleges.

The tables for this publication were prepared by Paulette Vanderhorst, NCES, with technical assistance from Patricia Brown, NCES.

Table 1.—Degrees conferred in institutions of higher education, by sex and level of degree: 1978-79 through 1988-89.

Sex and level of degree	Year of award									
	1978-79		1980-81		1984-85		1986-87		1988-89	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total .....	1,319,100	100.0	1,333,162	100.0	1,781,911	100.0	1,822,550	100.0	1,860,507	100.0
Men .....	701,701	53.2	690,080	51.8	874,771	49.1	881,457	48.4	880,800	47.3
Women .....	617,399	46.8	643,082	48.2	907,140	50.9	941,093	51.6	979,707	52.7
Associate .....	—	—	—	—	429,815	100.0	436,299	100.0	429,946	100.0
Men .....	—	—	—	—	190,409	44.3	190,832	43.7	182,909	42.5
Women .....	—	—	—	—	239,406	55.7	245,467	56.3	247,037	57.5
Bachelor's .....	916,226	100.0	934,800	100.0	968,311	100.0	991,260	100.0	1,015,239	100.0
Men .....	472,887	51.6	469,625	50.2	476,148	49.2	480,780	48.5	481,687	47.4
Women .....	443,339	48.4	465,175	49.8	492,163	50.8	510,480	51.5	533,552	52.6
Master's .....	301,707	100.0	294,183	100.0	280,421	100.0	289,341	100.0	308,872	100.0
Men .....	153,004	50.7	145,666	49.5	139,417	49.7	141,264	48.8	148,486	48.1
Women .....	148,703	49.3	148,517	50.5	141,004	50.3	148,077	51.2	160,386	51.9
Doctoral .....	32,664	100.0	32,839	100.0	32,307	100.0	34,033	100.0	35,692	100.0
Men .....	23,477	71.9	22,595	68.8	21,296	65.9	22,059	64.8	22,851	63.5
Women .....	9,187	28.1	10,244	31.2	11,011	34.1	11,974	35.2	13,041	36.5
First professional .....	68,503	100.0	71,340	100.0	71,057	100.0	71,617	100.0	70,758	100.0
Men .....	52,333	76.4	52,194	73.2	47,501	66.8	46,522	65.0	45,067	63.7
Women .....	16,170	23.6	19,146	26.8	23,556	33.2	25,095	35.0	25,691	36.3

— Data not available until 1984-85

NOTE: Data for 1978-79 exclude U.S. Service Schools.

SOURCE: U.S. Department of Education, Office for Civil Rights, "Data on Earned Degrees Conferred by Institutions of Higher Education by Race, Ethnicity, and Sex," various years; and National Center for Education Statistics, Higher Education General Information Survey, various years, and Integrated Postsecondary Education Data System, various years.

Table 2.--Degrees conferred in institutions of higher education, by year, race/ethnicity, and level of award: 1978-79 through 1988-89

Degrees and race/ethnicity	1978-79		1980-81		1984-85		1986-87		1988-89	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total .....	1,319,100	100.0	1,333,162	100.0	1,781,911	100.0	1,822,550	100.0	1,860,507	100.0
White non-Hispanic .....	1,137,226	86.2	1,138,994	85.4	1,492,230	83.7	1,519,632	83.4	1,538,998	82.7
Black non-Hispanic .....	84,221	6.4	82,002	6.2	111,386	6.3	110,359	6.1	110,875	5.9
Hispanic .....	27,295	2.1	30,290	2.3	54,706	3.1	56,180	3.1	60,243	3.2
Asian or Pacific Islander .....	23,337	1.8	27,409	2.1	46,013	2.6	56,337	3.1	65,670	3.5
American Indian/Alaskan Native .....	4,723	0.4	4,949	0.4	8,822	0.5	8,679	0.5	8,849	0.5
Nonresident alien .....	42,298	3.2	49,518	3.7	68,754	3.9	71,363	3.9	78,072	4.1
Associate .....	---	---	---	---	429,815	100.0	436,299	100.0	429,946	100.0
White non-Hispanic .....	---	---	---	---	355,343	82.7	361,819	82.9	353,122	82.1
Black non-Hispanic .....	---	---	---	---	35,791	8.3	35,457	8.1	34,411	8.0
Hispanic .....	---	---	---	---	19,407	4.5	19,345	4.4	20,294	4.7
Asian or Pacific Islander .....	---	---	---	---	9,914	2.3	11,794	2.7	12,433	2.9
American Indian/Alaskan Native .....	---	---	---	---	2,953	0.7	3,196	0.7	3,318	0.8
Nonresident alien .....	---	---	---	---	6,407	1.5	4,688	1.1	6,368	1.5
Bachelors .....	916,226	100.0	934,800	100.0	968,311	100.0	991,260	100.0	1,015,239	100.0
White non-Hispanic .....	799,617	87.3	807,319	86.4	826,106	85.3	841,820	84.9	858,186	84.5
Black non-Hispanic .....	60,125	6.6	60,673	6.5	57,473	5.9	56,555	5.7	58,016	5.7
Hispanic .....	20,029	2.2	21,832	2.3	25,874	2.7	26,990	2.7	29,800	2.9
Asian or Pacific Islander .....	15,336	1.7	18,794	2.0	25,395	2.6	32,618	3.3	38,219	3.8
American Indian/Alaskan Native .....	3,404	0.4	3,593	0.4	4,246	0.4	3,971	0.4	4,048	0.4
Nonresident alien .....	17,715	1.9	22,589	2.4	29,217	3.0	29,306	3.0	26,972	2.7
Masters .....	301,707	100.0	294,183	100.0	280,421	100.0	289,341	100.0	308,872	100.0
White non-Hispanic .....	249,051	82.5	241,216	82.0	223,628	79.7	228,870	79.1	241,607	78.2
Black non-Hispanic .....	19,993	6.6	17,133	5.8	13,939	5.0	13,867	4.8	14,076	4.6
Hispanic .....	5,544	1.8	6,461	2.2	6,864	2.4	7,044	2.4	7,270	2.4
Asian or Pacific Islander .....	5,985	2.0	6,282	2.1	7,782	2.8	8,558	3.0	10,714	3.5
American Indian/Alaskan Native .....	999	0.3	1,034	0.4	1,256	0.4	1,104	0.4	1,133	0.4
Nonresident alien .....	20,135	6.7	22,057	7.5	26,952	9.6	29,898	10.3	34,072	11.0
Doctoral .....	32,664	100.0	32,839	100.0	32,307	100.0	34,033	100.0	35,692	100.0
White non-Hispanic .....	26,128	80.0	25,908	78.9	23,934	74.1	24,435	71.8	24,895	69.7
Black non-Hispanic .....	1,267	3.9	1,265	3.9	1,154	3.6	1,060	3.1	1,071	3.0
Hispanic .....	439	1.3	456	1.4	677	2.1	750	2.2	625	1.8
Asian or Pacific Islander .....	811	2.5	877	2.7	1,106	3.4	1,097	3.2	1,337	3.7
American Indian/Alaskan Native .....	104	0.3	130	0.4	119	0.4	104	0.3	84	0.2
Nonresident alien .....	3,915	12.0	4,203	12.8	5,317	16.5	6,587	19.4	7,680	21.5
First-Professional .....	68,503	100.0	71,340	100.0	71,057	100.0	71,617	100.0	70,758	100.0
White non-Hispanic .....	62,430	91.1	64,551	90.5	63,219	89.0	62,688	87.5	61,188	86.5
Black non-Hispanic .....	2,836	4.1	2,931	4.1	3,029	4.3	3,420	4.8	3,101	4.4
Hispanic .....	1,283	1.9	1,541	2.2	1,884	2.7	2,051	2.9	2,254	3.2
Asian or Pacific Islander .....	1,205	1.8	1,456	2.0	1,816	2.6	2,270	3.2	2,967	4.2
American Indian/Alaskan Native .....	216	0.3	192	0.3	248	0.3	304	0.4	268	0.4
Nonresident alien .....	533	0.8	669	0.9	861	1.2	884	1.2	980	1.4

--- Data not available until 1984-85

NOTE: Data for 1976-77 and 1978-79 exclude U.S. Service Schools.

SOURCE: U.S. Department of Education, Office for Civil Rights, "Data on Earned Degrees Conferred by Institutions of Higher Education Race, Ethnicity, and Sex," various years; National Center for Education Statistics, Higher Education General Information System, various years, and Integrated Postsecondary Education Data System, various years.

Table 3.—Bachelor's degrees conferred by institutions of higher education, by sex, race/ethnicity, and field of study: 1978-79 through 1988-89

Field of study and race/ethnicity	Men					Women				
	1978-79	1980-81	1984-85	1986-87	1988-89	1978-79	1980-81	1984-85	1986-87	1988-89
All fields, total .....	472,887	489,625	476,148	480,780	481,687	443,339	465,175	492,163	510,480	533,552
Agriculture and natural resources .....	16,854	15,154	12,427	10,314	9,295	6,280	6,732	5,588	4,677	4,193
Architecture and environmental design .....	6,876	6,800	5,946	5,617	5,580	2,397	2,655	3,271	3,333	3,611
Area and ethnic studies .....	1,059	1,031	1,092	1,249	1,613	1,510	1,554	1,759	2,058	2,338
Business and management .....	119,799	127,058	126,762	128,920	131,419	52,725	73,799	104,546	112,180	115,240
Communications .....	13,252	14,179	17,039	18,153	19,263	13,185	17,103	24,508	27,240	29,362
Computer and information sciences .....	6,246	10,202	24,386	25,866	21,221	2,447	4,916	14,203	13,724	9,416
Education .....	33,737	27,069	21,146	20,759	21,662	92,049	81,196	66,642	66,324	75,326
Engineering .....	56,255	67,255	82,095	80,349	73,651	5,171	7,699	12,465	12,748	11,622
Fine and applied arts .....	15,170	14,624	14,190	13,785	14,558	25,538	25,617	23,161	22,448	23,223
Foreign languages .....	2,851	2,520	2,606	2,792	2,879	8,967	7,799	7,239	7,405	7,895
Health professions .....	11,205	10,512	9,534	9,177	8,926	50,880	53,130	53,755	54,036	50,185
Home economics .....	890	916	1,002	1,115	1,380	17,369	17,454	14,452	13,825	13,337
Law .....	396	388	445	369	785	274	388	686	808	1,191
Letters .....	17,675	16,107	15,787	16,525	18,359	24,303	23,921	24,406	26,591	31,375
Library science .....	30	22	25	20	16	528	353	169	120	106
Life sciences .....	29,145	24,149	19,905	19,656	17,970	19,649	19,067	18,210	18,464	18,109
Mathematics .....	6,833	6,342	8,010	8,792	8,221	4,791	4,736	6,875	7,652	7,016
Military sciences .....	141	293	272	358	378	0	12	26	26	41
Physical sciences .....	17,641	18,062	16,972	14,372	12,097	5,220	5,888	6,583	5,699	5,107
Psychology .....	16,399	14,295	12,596	13,328	14,181	25,996	26,538	26,927	29,507	34,335
Public affairs and services .....	17,907	15,266	13,894	14,151	15,731	20,342	21,045	16,678	17,063	18,320
Social sciences .....	62,621	56,156	50,789	53,870	59,924	45,379	44,491	40,006	42,302	47,790
Theology .....	4,387	4,334	4,278	4,330	4,108	1,511	1,473	1,596	1,398	1,214
Interdisciplinary studies .....	15,518	16,884	14,950	16,913	18,470	16,828	17,607	18,412	20,852	23,202
<b>White, non-Hispanic</b>										
Total .....	415,301	406,173	405,085	406,751	406,656	384,316	401,146	421,021	435,069	451,530
Agriculture and natural resources .....	15,755	13,908	11,252	9,406	8,494	5,945	6,326	5,177	4,251	3,754
Architecture and environmental design .....	5,987	5,778	4,888	4,501	4,448	2,136	2,291	2,759	2,770	2,973
Area and ethnic studies .....	932	900	874	997	1,237	1,326	1,342	1,368	1,652	1,818
Business and management .....	106,642	112,267	109,130	111,091	112,938	44,117	61,931	87,785	94,027	94,886
Communications .....	11,886	12,541	14,940	15,941	16,920	11,532	14,932	21,216	23,552	25,552
Computer and information sciences .....	5,402	8,622	20,188	20,480	16,314	1,982	3,943	11,133	9,771	6,201
Education .....	28,893	22,876	18,119	18,050	19,203	80,056	70,848	59,412	60,166	68,949
Engineering .....	47,363	54,453	66,478	63,608	57,957	4,431	6,395	9,960	9,680	8,552
Fine and applied arts .....	13,291	12,768	12,257	11,875	12,510	23,356	23,165	20,688	19,796	20,396
Foreign languages .....	2,325	2,067	2,153	2,287	2,337	7,572	6,547	6,061	6,134	6,441
Health professions .....	9,991	9,276	8,114	7,790	7,513	45,755	47,514	47,387	47,620	43,498
Home economics .....	753	745	841	909	1,173	15,466	15,515	12,783	12,163	11,673
Law .....	350	368	364	334	668	237	363	602	740	1,057
Letters .....	16,213	14,748	14,277	14,936	16,612	21,940	21,567	21,926	23,887	27,999
Library science .....	24	18	17	16	12	473	321	156	106	93
Life sciences .....	25,837	21,085	16,805	16,393	14,634	16,868	16,191	15,002	14,886	14,262
Mathematics .....	5,963	5,422	6,508	7,216	6,724	4,205	4,023	5,654	6,340	5,763
Military sciences .....	130	278	259	336	325	0	11	25	24	31
Physical sciences .....	16,048	16,124	15,050	12,505	10,359	4,602	5,122	5,610	4,654	4,143
Psychology .....	14,295	12,215	10,866	11,540	12,229	22,290	22,486	23,085	25,474	29,355
Public affairs and services .....	15,142	12,476	11,225	11,653	12,944	16,546	16,834	13,115	13,548	14,378
Social sciences .....	54,292	48,509	43,787	46,493	51,657	37,918	37,026	33,330	35,166	39,272
Theology .....	4,097	3,964	3,836	3,950	3,674	1,414	1,388	1,433	1,286	1,105
Interdisciplinary studies .....	13,690	14,765	12,857	14,444	15,774	14,149	15,065	15,354	17,376	19,379

See footnotes at end of table.

Table 3.—Bachelor's degrees conferred by institutions of higher education, by sex, race/ethnicity, and field of study: 1978-79 through 1988-89—Continued

Field of study and race/ethnicity	Men					Women				
	1978-79	1980-81	1984-85	1986-87	1988-89	1978-79	1980-81	1984-85	1986-87	1988-89
<b>Black, non-Hispanic</b>										
Total .....	24,544	24,511	23,018	22,499	22,365	35,581	36,162	34,455	34,056	35,651
Agriculture and natural resources .....	251	259	256	182	174	95	121	114	117	137
Architecture and environmental design .....	231	210	215	198	187	85	90	113	79	94
Area and ethnic studies .....	35	20	82	85	99	49	47	137	116	138
Business and management .....	6,120	6,503	6,442	6,051	6,051	5,310	6,897	8,557	8,635	9,037
Communications .....	840	990	1,165	1,125	1,151	1,153	1,425	1,970	2,103	2,051
Computer and information sciences .....	263	394	1,036	1,329	1,244	242	392	1,107	1,599	1,313
Education .....	3,055	2,587	1,569	1,348	1,149	8,454	6,907	3,887	2,905	3,084
Engineering .....	1,531	2,020	2,435	2,580	2,351	225	429	724	921	886
Fine and applied arts .....	889	811	716	660	648	991	1,024	827	708	732
Foreign languages .....	86	76	91	87	63	263	217	221	234	256
Health professions .....	440	436	484	481	462	2,940	3,167	3,352	3,341	3,511
Home economics .....	82	83	94	98	106	1,113	1,042	858	781	788
Law .....	28	9	40	14	46	25	13	45	38	81
Letters .....	776	666	652	625	640	1,416	1,314	1,196	1,197	1,446
Library science .....	5	2	5	0	1	44	28	11	9	7
Life sciences .....	1,146	954	806	740	710	1,341	1,315	1,239	1,192	1,234
Mathematics .....	320	276	373	402	380	332	308	393	444	421
Military sciences .....	2	5	3	1	31	0	1	1	0	6
Physical sciences .....	423	613	455	445	371	268	293	374	399	337
Psychology .....	1,050	1,040	751	683	661	2,164	2,268	1,916	1,852	2,154
Public affairs and services .....	1,728	1,726	1,532	1,479	1,627	2,767	3,143	2,546	2,459	2,650
Social sciences .....	4,266	3,696	2,778	2,676	2,874	4,772	4,433	3,322	3,266	3,624
Theology .....	126	142	156	142	162	30	24	39	35	23
Interdisciplinary studies .....	851	1,003	882	1,068	1,177	1,502	1,264	1,506	1,626	1,641
<b>Hispanic</b>										
Total .....	10,354	10,810	12,402	12,864	13,920	9,675	11,022	13,472	14,126	15,880
Agriculture and natural resources .....	163	181	165	152	158	39	67	77	79	64
Architecture and environmental design .....	181	203	231	233	233	48	67	104	105	126
Area and ethnic studies .....	38	41	68	58	61	44	63	100	88	110
Business and management .....	2,224	2,560	2,988	3,251	3,483	972	1,554	2,783	3,146	3,504
Communications .....	201	258	358	402	461	208	299	542	609	708
Computer and information sciences .....	110	193	484	615	571	45	109	342	462	331
Education .....	948	754	597	518	580	2,081	2,093	1,936	1,705	1,713
Engineering .....	1,031	1,302	1,935	2,178	2,063	86	131	307	375	395
Fine and applied arts .....	381	345	371	369	445	366	434	435	482	533
Foreign languages .....	293	258	237	209	263	762	651	562	599	701
Health professions .....	222	262	309	255	265	844	891	1,241	1,077	1,121
Home economics .....	10	17	25	18	32	163	213	221	214	252
Law .....	9	4	20	11	37	10	6	24	14	20
Letters .....	258	278	357	343	404	364	416	464	535	725
Library science .....	0	1	0	0	0	3	0	0	3	2
Life sciences .....	677	646	681	657	655	432	496	560	602	599
Mathematics .....	110	113	148	170	189	84	72	109	99	121
Military sciences .....	2	3	7	12	8	0	0	0	1	4
Physical sciences .....	260	297	310	287	275	79	108	107	136	109
Psychology .....	490	490	432	459	541	718	815	899	942	1,232
Public affairs and services .....	629	590	612	523	643	564	586	602	613	746
Social sciences .....	1,718	1,549	1,557	1,564	1,876	1,199	1,339	1,289	1,319	1,742
Theology .....	52	74	86	63	69	19	14	33	18	27
Interdisciplinary studies .....	347	389	424	517	608	545	598	735	803	895

See footnotes at end of table.

Table 3.--Bachelor's degrees conferred by institutions of higher education, by sex, race/ethnicity, and field of study: 1978-79 through 1988-89--Continued

Field of study and race/ethnicity	Men					Women				
	1978-79	1980-81	1984-85	1986-87	1988-89	1978-79	1980-81	1984-85	1986-87	1988-89
<b>Asian or Pacific Islander</b>										
Total .....	8,190	10,107	13,554	17,249	19,537	7,146	8,687	11,841	15,369	18,682
Agriculture and natural resources .....	209	200	141	161	114	114	112	104	122	126
Architecture and environmental design .....	168	217	188	208	225	58	79	112	157	205
Area and ethnic studies .....	30	39	41	77	142	61	79	93	137	191
Business and management .....	1,857	2,121	2,644	2,873	3,669	1,278	1,822	2,630	3,129	4,370
Communications .....	135	153	204	358	383	135	215	360	583	609
Computer and information sciences .....	171	410	1,158	1,542	1,466	91	259	886	1,004	889
Education .....	305	258	240	312	273	480	465	530	780	854
Engineering .....	1,622	2,699	4,132	5,347	5,770	215	367	881	1,150	1,242
Fine and applied arts .....	280	289	333	418	474	429	499	576	776	931
Foreign languages .....	53	39	45	140	144	155	171	185	201	259
Health professions .....	282	299	298	337	407	805	1,013	1,012	1,240	1,326
Home economics .....	27	41	19	46	33	355	354	288	377	429
Law .....	5	2	18	9	26	2	3	10	13	28
Letters .....	157	167	223	352	425	265	293	362	591	797
Library science .....	0	0	1	0	1	2	2	0	0	2
Life sciences .....	821	830	1,022	1,343	1,467	637	659	928	1,277	1,484
Mathematics .....	168	223	470	540	537	153	168	410	510	497
Military sciences .....	1	4	3	1	4	0	0	0	0	0
Physical sciences .....	306	412	504	615	636	119	184	259	303	300
Psychology .....	293	293	277	417	514	473	546	553	771	1,091
Public affairs and services .....	204	187	181	196	279	211	229	164	212	248
Social sciences .....	871	860	1,002	1,448	1,962	731	785	1,032	1,494	2,030
Theology .....	18	43	54	67	94	18	15	28	25	27
Interdisciplinary studies .....	207	321	376	444	492	359	368	460	537	747
<b>American Indian/Alaskan Native</b>										
Total .....	1,730	1,700	1,998	1,819	1,768	1,674	1,893	2,248	2,152	2,278
Agriculture and natural resources .....	61	81	47	38	45	23	15	23	20	25
Architecture and environmental design .....	19	20	24	15	28	6	4	11	11	11
Area and ethnic studies .....	1	3	7	9	7	6	1	9	20	18
Business and management .....	346	388	495	400	359	159	248	426	383	465
Communications .....	39	51	61	58	60	30	59	94	74	77
Computer and information sciences .....	11	17	76	63	60	0	4	63	53	34
Education .....	197	164	165	124	170	448	405	318	328	367
Engineering .....	150	173	263	247	239	12	22	50	42	46
Fine and applied arts .....	74	73	73	82	53	95	114	127	102	75
Foreign languages .....	7	10	4	10	6	15	15	19	14	30
Health professions .....	51	39	49	46	48	155	170	224	228	197
Home economics .....	5	1	5	18	5	74	72	68	101	46
Law .....	3	1	2	1	4	0	1	2	1	1
Letters .....	62	44	65	48	67	48	59	96	62	116
Library science .....	0	1	0	0	0	2	1	0	0	0
Life sciences .....	97	67	89	79	70	51	70	72	68	77
Mathematics .....	28	10	36	33	39	13	8	23	20	15
Military sciences .....	0	1	0	1	0	0	0	0	0	0
Physical sciences .....	45	44	65	46	45	18	21	33	28	18
Psychology .....	87	68	75	65	61	90	128	126	121	153
Public affairs and services .....	83	91	76	78	79	134	133	126	121	151
Social sciences .....	273	241	229	249	220	224	233	218	215	211
Theology .....	8	5	10	13	8	3	0	10	2	4
Interdisciplinary studies .....	83	107	82	96	95	68	110	110	138	141

See footnotes at end of table

Table 3.—Bachelor's degrees conferred by institutions of higher education, by sex, race/ethnicity, and field of study: 1978-79 through 1988-89—Continued

Field of study and race/ethnicity	Men					Women				
	1978-79	1980-81	1984-85	1986-87	1988-89	1978-79	1980-81	1984-85	1986-87	1988-89
<b>Nonresident alien</b>										
Total .....	12,768	16,324	20,091	19,598	17,441	4,947	6,285	9,126	9,708	9,531
Agriculture and natural resources .....	415	525	566	375	310	64	91	93	88	87
Architecture and environmental design .....	290	372	400	462	459	64	124	172	211	202
Area and ethnic studies .....	23	28	20	23	67	24	22	52	45	61
Business and management .....	2,610	3,219	5,063	5,254	4,919	889	1,347	2,365	2,860	2,978
Communications .....	151	196	311	271	288	127	173	326	339	365
Computer and information sciences .....	289	566	1,444	1,837	1,566	87	211	672	835	648
Education .....	339	430	456	407	287	530	478	559	440	359
Engineering .....	4,558	6,608	6,852	6,389	5,271	202	355	543	580	501
Fine and applied arts .....	255	338	440	381	428	301	381	508	584	556
Foreign languages .....	87	70	76	59	66	200	198	211	223	208
Health professions .....	219	207	280	268	231	381	375	539	530	532
Home economics .....	13	29	18	26	31	198	258	234	189	149
Law .....	1	4	1	0	4	0	2	3	2	4
Letters .....	209	204	213	221	211	270	272	362	319	292
Library science .....	1	0	2	4	2	4	1	2	2	2
Life sciences .....	567	565	502	444	434	320	336	409	439	453
Mathematics .....	244	298	475	431	352	4	157	286	239	199
Military sciences .....	6	2	0	7	10	0	0	0	1	0
Physical sciences .....	559	572	588	474	411	134	160	200	179	200
Psychology .....	184	189	195	164	175	261	295	348	347	350
Public affairs and services .....	121	196	288	222	159	120	120	125	110	147
Social sciences .....	1,201	1,301	1,436	1,440	1,335	535	675	815	842	911
Theology .....	86	106	136	95	101	27	32	55	32	28
Interdisciplinary studies .....	340	299	329	344	324	205	202	247	272	299

NOTE: Data for 1986-87 include imputations for 2.7 percent of bachelor's recipients whose racial/ethnic backgrounds were not reported. Data for 1978-79 exclude U.S. Service Schools.

SOURCE: U.S. Department of Education, Office for Civil Rights, "Data on Earned Degrees Conferred by Institutions of Higher Education by Race, Ethnicity, and Sex," various years; and National Center for Education Statistics, Higher Education General Information Survey, various years, and Integrated Postsecondary Education Data System, various years.

Table 4.—Master's degrees conferred by institutions of higher education, by sex, race/ethnicity, and field of study: 1978-79 through 1988-89

Field of study and race/ethnicity	Men					Women				
	1978-79	1980-81	1984-85	1986-87	1988-89	1978-79	1980-81	1984-85	1986-87	1988-89
All fields, total .....	153,004	145,666	139,417	141,264	148,486	148,703	148,517	141,004	148,077	160,386
Agriculture and natural resources .....	3,187	3,061	2,828	2,460	2,231	807	942	1,073	1,061	1,014
Architecture and environmental design .....	2,226	2,234	2,124	2,086	2,191	887	919	1,109	1,078	1,187
Area and ethnic studies .....	359	335	380	457	497	379	383	398	396	481
Business and management .....	40,381	43,045	45,884	45,219	48,557	9,662	14,496	20,712	22,285	24,597
Communications .....	1,481	1,448	1,470	1,589	1,710	1,399	1,657	2,051	2,303	2,523
Computer and information sciences .....	2,408	3,176	4,936	5,985	6,769	572	967	2,006	2,496	2,623
Education .....	34,968	28,079	20,844	19,635	20,286	76,519	70,301	54,977	55,838	61,952
Engineering .....	14,289	14,998	18,505	19,808	21,355	950	1,360	2,230	2,850	3,186
Fine and applied arts .....	3,924	4,058	3,806	3,756	3,598	4,578	4,573	4,743	4,747	4,636
Foreign languages .....	739	694	550	516	602	1,687	1,410	1,153	1,229	1,309
Health professions .....	4,494	4,316	4,052	3,885	4,210	10,991	12,199	13,010	14,536	15,045
Home economics .....	222	252	267	256	311	2,288	2,318	2,092	1,813	1,863
Law .....	1,392	1,506	1,363	1,423	1,491	255	326	411	521	607
Letters .....	3,446	3,229	2,680	2,840	3,027	5,437	5,072	4,240	4,394	4,855
Library science .....	1,159	841	749	796	816	5,237	4,018	3,097	3,018	3,124
Life sciences .....	4,265	3,654	2,620	2,538	2,484	2,566	2,324	2,390	2,412	2,449
Mathematics .....	1,982	1,690	1,843	2,022	2,058	1,051	875	988	1,297	1,366
Military sciences .....	0	0	49	118	0	0	0	1	1	0
Physical sciences .....	4,416	4,144	4,355	4,220	4,204	990	1,083	1,320	1,410	1,533
Psychology .....	4,401	3,358	3,042	2,828	2,799	4,329	4,640	5,337	5,296	5,780
Public affairs and services .....	9,853	8,957	6,704	7,120	7,333	10,693	11,117	10,426	11,403	12,101
Social sciences .....	8,343	7,442	6,298	6,293	6,493	4,544	4,475	3,925	4,102	4,361
Theology .....	2,295	2,461	2,521	3,193	3,003	1,103	1,267	1,373	1,648	1,622
Interdisciplinary studies .....	2,774	2,690	1,547	2,221	2,461	1,779	1,795	1,942	1,943	2,172
White, non-Hispanic										
Total .....	123,754	115,562	108,059	105,573	109,184	125,297	125,654	117,569	123,297	132,423
Agriculture and natural resources .....	2,396	2,298	2,005	1,680	1,464	651	785	860	856	758
Architecture and environmental design .....	1,751	1,667	1,416	1,419	1,461	737	724	862	831	889
Area and ethnic studies .....	268	260	249	310	358	295	272	259	275	309
Business and management .....	33,495	35,380	37,256	35,505	38,013	8,044	12,094	17,407	18,077	19,432
Communications .....	1,258	1,183	1,167	1,233	1,329	1,196	1,373	1,665	1,839	1,999
Computer and information sciences .....	1,827	2,153	3,052	3,475	3,809	434	665	1,251	1,578	1,481
Education .....	29,306	23,291	17,047	16,431	17,046	64,662	59,488	46,255	48,061	53,781
Engineering .....	9,268	9,177	11,012	11,742	12,086	708	970	1,588	2,006	2,120
Fine and applied arts .....	3,500	3,534	3,203	3,132	2,950	4,166	4,090	4,031	3,973	3,710
Foreign languages .....	562	541	390	351	399	1,365	1,095	832	828	872
Health professions .....	3,714	3,443	3,170	3,048	3,203	9,717	10,732	11,395	12,676	13,032
Home economics .....	184	193	219	206	240	1,985	1,998	1,742	1,525	1,580
Law .....	1,057	1,129	927	809	751	179	237	282	291	299
Letters .....	3,053	2,768	2,216	2,315	2,461	4,784	4,440	3,600	3,728	4,062
Library science .....	1,030	733	652	679	708	4,181	3,591	2,746	2,639	2,736
Life sciences .....	3,708	3,223	2,125	2,038	1,882	2,152	1,987	1,954	1,906	1,909
Mathematics .....	1,479	1,212	1,170	1,247	1,220	873	678	703	866	903
Military sciences .....	0	---	42	101	0	0	---	0	0	0
Physical sciences .....	3,561	3,255	3,144	3,023	2,888	812	860	1,001	1,039	1,074
Psychology .....	3,265	2,945	2,600	2,471	2,402	3,813	4,071	4,618	4,622	5,018
Public affairs and services .....	8,177	7,212	5,254	5,465	5,602	8,230	9,223	8,595	9,402	9,937
Social sciences .....	6,442	5,571	4,326	4,316	4,457	3,671	3,579	3,007	3,125	3,221
Theology .....	2,032	2,119	2,106	2,658	2,376	1,025	1,163	1,223	1,450	1,391
Interdisciplinary studies .....	2,420	2,275	1,311	1,919	2,079	1,617	1,539	1,693	1,704	1,910

See footnotes at end of table.

Table 4.—Master's degrees conferred by institutions of higher education, by sex, race/ethnicity, and field of study: 1978-79 through 1988-89—Continued

Field of study and race/ethnicity	Men					Women				
	1978-79	1980-81	1984-85	1986-87	1988-89	1978-79	1980-81	1984-85	1986-87	1988-89
<b>Black, non-Hispanic</b>										
Total .....	7,045	6,158	5,200	5,151	5,200	12,048	10,975	8,739	8,716	8,876
Agriculture and natural resources .....	61	53	50	63	41	18	20	25	16	12
Architecture and environmental design .....	81	74	80	48	54	34	48	43	29	44
Area and ethnic studies .....	4	2	19	10	16	11	12	22	29	14
Business and management .....	1,531	1,554	1,574	1,637	1,746	598	805	1,027	1,173	1,331
Communications .....	66	65	63	83	82	83	122	120	142	133
Computer and information sciences .....	43	52	108	136	132	22	18	72	86	86
Education .....	2,735	2,061	1,325	1,127	1,105	8,090	6,584	4,487	4,123	4,167
Engineering .....	219	222	300	351	315	22	38	60	98	109
Fine and applied arts .....	134	149	107	129	103	120	118	122	111	94
Foreign languages .....	15	10	9	9	8	30	23	17	20	13
Health professions .....	217	197	179	139	179	584	692	640	717	675
Home economics .....	11	11	15	12	12	110	121	107	78	55
Law .....	22	27	40	26	43	5	11	21	18	30
Letters .....	90	72	62	68	73	237	178	109	114	103
Library science .....	45	33	24	25	25	260	183	148	121	104
Life sciences .....	95	82	67	84	61	122	89	84	91	67
Mathematics .....	35	33	34	47	33	36	34	19	29	28
Military sciences .....	0	—	3	7	0	0	—	1	1	0
Physical sciences .....	67	79	61	48	59	19	28	28	36	23
Psychology .....	175	164	146	123	126	301	260	280	275	288
Public affairs and services .....	820	713	592	604	602	1,819	1,180	1,008	1,114	1,166
Social sciences .....	415	311	234	226	200	333	304	188	190	197
Theology .....	49	58	61	86	103	23	13	32	35	43
Interdisciplinary studies .....	115	136	47	63	82	71	94	79	70	74
<b>Hispanic</b>										
Total .....	2,775	3,085	3,059	3,330	3,360	2,769	3,376	3,805	3,714	3,910
Agriculture and natural resources .....	28	50	48	30	39	6	13	16	14	17
Architecture and environmental design .....	53	52	70	68	68	7	13	23	25	22
Area and ethnic studies .....	15	18	28	30	21	16	21	26	23	36
Business and management .....	499	676	812	954	982	113	193	363	483	599
Communications .....	20	24	22	31	24	13	19	49	39	46
Computer and information sciences .....	13	45	65	98	107	11	15	29	34	45
Education .....	943	869	668	601	591	1,612	1,962	1,851	1,631	1,566
Engineering .....	186	251	299	456	404	10	27	41	73	78
Fine and applied arts .....	65	77	78	65	92	50	55	80	77	78
Foreign languages .....	65	60	49	42	51	136	114	125	120	107
Health professions .....	70	86	89	72	102	117	165	207	306	296
Home economics .....	1	5	0	3	12	22	26	40	22	33
Law .....	24	42	24	30	29	4	10	15	20	12
Letters .....	55	48	45	57	61	94	83	73	61	96
Library science .....	18	9	18	14	11	58	49	35	34	50
Life sciences .....	40	36	48	40	59	28	33	61	46	54
Mathematics .....	18	31	28	39	20	8	9	21	16	9
Military sciences .....	0	—	2	5	0	0	—	0	0	0
Physical sciences .....	41	45	87	85	53	11	10	20	31	24
Psychology .....	100	78	114	91	108	76	101	159	152	193
Public affairs and services .....	283	310	221	275	250	266	319	396	353	364
Social sciences .....	172	181	159	154	148	79	99	113	91	99
Theology .....	27	36	44	63	74	14	14	18	25	25
Interdisciplinary studies .....	39	56	41	27	54	18	26	44	38	61

See footnotes at end of table.

Table 4.—Master's degrees conferred by institutions of higher education, by sex, race/ethnicity, and field of study: 1978–79 through 1988–89—Continued

Field of study and race/ethnicity	Men					Women				
	1978–79	1980–81	1984–85	1986–87	1988–89	1978–79	1980–81	1984–85	1986–87	1988–89
<b>Asian or Pacific Islander</b>										
Total .....	3,324	3,773	4,842	5,238	6,247	2,681	2,509	2,940	3,320	4,467
Agriculture and natural resources .....	77	50	55	38	31	27	17	20	22	22
Architecture and environmental design .....	61	75	75	57	73	33	37	41	35	45
Area and ethnic studies .....	17	11	18	25	24	17	27	30	13	24
Business and management .....	981	1,161	1,449	1,531	1,886	259	472	621	773	1,076
Communications .....	23	30	24	29	47	27	36	23	50	52
Computer and information sciences .....	115	205	414	561	628	34	74	201	273	359
Education .....	290	291	238	232	278	654	682	583	492	786
Engineering .....	802	974	1,395	1,552	1,839	48	105	178	205	307
Fine and applied arts .....	58	68	86	75	83	85	92	142	164	204
Foreign languages .....	14	7	4	8	10	24	19	24	28	36
Health professions .....	115	164	174	152	168	258	284	302	337	395
Home economics .....	3	7	4	5	5	48	56	54	44	49
Law .....	22	32	34	53	41	4	5	13	25	21
Letters .....	35	44	55	68	73	85	70	82	91	150
Library science .....	20	13	9	21	29	577	58	62	72	84
Life sciences .....	114	62	86	89	108	91	83	93	109	122
Mathematics .....	67	64	108	116	122	37	33	56	77	64
Military sciences .....	0	---	0	0	0	0	---	0	0	0
Physical sciences .....	129	115	154	174	187	31	38	59	67	105
Psychology .....	38	34	48	35	46	49	43	81	85	91
Public affairs and services .....	125	149	112	158	186	178	157	159	179	258
Social sciences .....	164	147	231	152	192	70	86	97	98	137
Theology .....	18	39	42	70	107	7	16	17	42	41
Interdisciplinary studies .....	36	31	27	39	84	18	21	22	39	39
<b>American Indian/Alaskan Native</b>										
Total .....	495	501	583	517	500	504	533	673	587	633
Agriculture and natural resources .....	5	4	4	4	6	0	3	2	2	0
Architecture and environmental design .....	2	4	10	7	3	4	1	0	1	6
Area and ethnic studies .....	1	3	5	4	5	1	3	3	1	2
Business and management .....	109	128	189	112	125	26	27	82	58	72
Communications .....	2	3	3	5	3	0	6	8	7	11
Computer and information sciences .....	6	10	28	20	40	10	2	13	3	3
Education .....	165	159	139	120	121	286	294	329	256	265
Engineering .....	22	26	45	58	32	2	5	4	6	5
Fine and applied arts .....	18	9	17	24	15	13	13	23	23	19
Foreign languages .....	2	1	1	3	1	1	7	4	1	2
Health professions .....	19	17	14	12	21	40	37	47	50	64
Home economics .....	1	1	0	3	1	5	9	11	14	9
Law .....	4	1	2	3	1	0	0	1	1	3
Letters .....	10	8	11	11	8	6	10	13	12	18
Library science .....	2	1	2	1	4	10	16	10	8	15
Life sciences .....	8	9	8	4	8	8	6	10	7	9
Mathematics .....	6	6	4	1	5	2	1	3	2	1
Military sciences .....	0	---	0	0	0	0	---	0	0	0
Physical sciences .....	26	9	19	7	12	3	2	2	2	6
Psychology .....	10	13	16	13	13	10	19	21	24	22
Public affairs and services .....	34	47	33	60	34	47	45	56	84	68
Social sciences .....	28	28	25	17	31	17	16	18	6	22
Theology .....	2	1	3	6	4	2	0	2	2	5
Interdisciplinary studies .....	13	13	5	22	7	11	11	11	17	6

See footnotes at end of table.

Table 4.—Master's degrees conferred by institutions of higher education, by sex, race/ethnicity, and field of study: 1978-79 through 1988-89—Continued

Field of study and race/ethnicity	Men					Women				
	1978-79	1980-81	1984-85	1986-87	1988-89	1978-79	1980-81	1984-85	1986-87	1988-89
<b>Nonresident alien</b>										
Total .....	15,611	16,587	19,674	21,455	23,995	4,524	5,470	7,278	8,443	10,077
Agriculture and natural resources .....	620	606	666	647	650	105	104	150	151	205
Architecture and environmental design .....	278	362	473	487	532	72	96	140	157	181
Area and ethnic studies .....	54	41	61	78	73	39	48	58	55	96
Business and management .....	3,766	4,146	4,604	5,480	5,805	622	905	1,212	1,721	2,087
Communications .....	112	143	191	208	225	80	101	186	226	282
Computer and information sciences .....	404	711	1,269	1,695	2,053	61	193	440	522	649
Education .....	1,529	1,408	1,427	1,124	1,145	1,215	1,291	1,492	1,275	1,387
Engineering .....	3,792	4,348	5,454	5,649	6,679	160	215	359	462	567
Fine and applied arts .....	149	219	315	331	355	144	205	345	399	531
Foreign languages .....	81	75	97	103	133	131	152	151	232	279
Health professions .....	359	409	426	462	537	275	289	419	450	583
Home economics .....	22	35	29	27	41	118	108	138	130	137
Law .....	263	275	336	502	626	63	63	79	166	242
Letters .....	203	289	291	321	351	231	291	363	388	426
Library science .....	44	52	44	56	39	151	123	96	144	135
Life sciences .....	299	242	286	283	366	165	126	188	253	288
Mathematics .....	377	344	499	572	658	95	120	186	307	361
Military sciences .....	0	---	2	5	0	0	---	0	0	0
Physical sciences .....	592	641	890	883	1,005	114	145	210	235	301
Psychology .....	813	124	118	95	104	80	146	178	138	168
Public affairs and services .....	414	526	492	558	659	153	193	212	271	288
Social sciences .....	1,122	1,204	1,323	1,428	1,465	374	391	502	592	685
Theology .....	167	208	265	310	339	32	61	81	94	117
Interdisciplinary studies .....	151	179	116	151	155	44	104	93	75	82

---Data not available.

NOTE: Data for 1986-87 include imputations for 2.7 percent of bachelor's recipients whose racial/ethnic backgrounds were not reported. Data for 1978-79 exclude U.S. Service Schools.

SOURCES: U.S. Department of Education, Office for Civil Rights, "Data on Earned Degrees Conferred by Institutions of Higher Education by Race, Ethnicity, and Sex," various years; and National Center for Education Statistics, Higher Education General Information Survey, various years, and Integrated Postsecondary Education Data System, various years.

Table 5.—Doctoral degrees conferred by institutions of higher education, by sex, race/ethnicity, and field of study: 1978–79 through 1988–89

Field of study and race/ethnicity	Men					Women				
	1978–79	1980–81	1984–85	1986–87	1988–89	1978–79	1980–81	1984–85	1986–87	1988–89
All fields, total .....	23,477	22,595	21,296	22,059	22,651	9,187	10,244	11,011	11,974	13,041
Agriculture and natural resources .....	877	940	1,039	871	952	73	127	177	177	232
Architecture and environmental design .....	74	73	66	66	63	22	20	23	26	23
Area and ethnic studies .....	85	100	83	73	57	48	57	51	59	53
Business and management .....	762	719	706	836	844	101	125	143	258	306
Communications .....	138	107	131	163	137	54	75	88	117	111
Computer and information sciences .....	206	227	216	322	457	30	25	24	52	81
Education .....	4,468	4,164	3,366	3,117	2,894	3,263	3,736	3,666	3,792	3,889
Engineering .....	2,408	2,447	2,972	3,555	4,133	83	104	202	263	400
Fine and applied arts .....	454	396	392	447	443	246	258	280	344	312
Foreign languages .....	296	274	178	184	169	345	314	246	257	253
Health professions .....	454	475	556	564	612	264	367	616	649	827
Home economics .....	71	78	78	65	59	148	169	198	232	204
Law .....	39	56	72	79	46	7	4	17	41	30
Letters .....	1,139	1,010	917	844	900	785	780	749	757	802
Library science .....	34	31	38	19	27	36	40	45	38	34
Life sciences .....	2,636	2,666	2,259	2,223	2,235	906	1,052	1,095	1,194	1,298
Mathematics .....	608	614	581	598	711	122	114	105	125	171
Military sciences .....	0	0	0	0	0	0	0	0	0	0
Physical sciences .....	2,752	2,784	2,836	3,038	3,093	350	378	546	633	759
Psychology .....	1,597	1,681	1,474	1,427	1,429	1,065	1,274	1,390	1,629	1,834
Public affairs and services .....	257	260	235	251	255	111	173	209	198	225
Social sciences .....	2,492	2,272	1,916	2,026	1,939	868	847	912	889	939
Theology .....	1,128	1,071	987	1,103	1,022	55	98	103	127	143
Interdisciplinary studies .....	504	170	198	188	174	205	109	126	117	115
White, non-Hispanic										
Total .....	18,423	17,310	15,017	14,813	14,568	7,705	8,598	8,917	9,622	10,327
Agriculture and natural resources .....	572	577	660	526	519	50	87	130	124	158
Architecture and environmental design .....	37	39	36	28	25	16	17	17	17	9
Area and ethnic studies .....	67	73	64	54	39	38	51	41	45	43
Business and management .....	572	519	475	473	491	90	100	114	215	255
Communications .....	111	84	95	116	97	49	63	69	93	80
Computer and information sciences .....	147	162	131	178	233	28	22	19	41	52
Education .....	3,651	3,299	2,645	2,412	2,255	2,682	3,092	2,970	3,083	3,190
Engineering .....	1,341	1,296	1,264	1,505	1,687	52	56	113	172	280
Fine and applied arts .....	407	353	343	387	366	225	234	239	297	260
Foreign languages .....	227	205	123	117	107	275	265	182	183	175
Health professions .....	368	380	405	406	424	230	309	519	526	683
Home economics .....	68	65	56	49	50	130	141	163	176	157
Law .....	20	37	52	42	13	4	3	18	29	11
Letters .....	980	854	765	671	720	704	695	643	625	657
Library science .....	29	22	25	13	15	32	29	30	30	27
Life sciences .....	2,241	2,288	1,839	1,703	1,678	750	889	886	921	999
Mathematics .....	428	422	303	285	321	92	85	69	64	92
Military sciences .....	0	---	0	0	0	0	---	0	0	0
Physical sciences .....	2,156	2,153	2,042	1,985	1,926	259	292	389	456	510
Psychology .....	1,449	1,488	1,308	1,289	1,263	931	1,149	1,236	1,436	1,613
Public affairs and services .....	202	205	168	177	168	88	125	167	158	177
Social sciences .....	1,927	1,751	1,262	1,328	1,172	751	714	707	723	702
Theology .....	1,034	903	816	931	863	54	90	87	109	121
Interdisciplinary studies .....	389	135	140	138	136	175	90	111	99	96

See footnotes at end of table.

Table 5 -- Doctoral degrees conferred by institutions of higher education, by sex, race/ethnicity, and field of study: 1978-79 through 1988-89--Continued

Field of study and race/ethnicity	Men					Women				
	1978-79	1980-81	1984-85	1986-87	1988-89	1978-79	1980-81	1984-85	1986-87	1988-89
<b>Black, non-Hispanic</b>										
Total .....	733	694	561	488	497	534	571	593	572	574
Agriculture and natural resources .....	14	14	21	13	12	0	1	3	5	3
Architecture and environmental design .....	3	5	4	4	0	2	1	1	3	2
Area and ethnic studies .....	7	6	3	2	1	5	0	0	5	1
Business and management .....	16	26	9	21	17	2	6	5	8	3
Communications .....	8	3	8	7	2	2	7	10	10	14
Computer and information sciences .....	3	1	3	1	0	1	0	0	1	2
Education .....	310	289	184	177	174	315	325	337	291	276
Engineering .....	22	23	35	27	27	2	1	5	3	3
Fine and applied arts .....	9	12	7	3	8	3	5	8	9	3
Foreign languages .....	4	4	4	7	5	6	5	5	9	9
Health professions .....	11	9	15	8	11	9	17	18	25	28
Home economics .....	1	3	0	2	0	8	6	8	21	12
Law .....	1	1	2	1	0	1	0	1	2	4
Letters .....	45	28	16	12	14	26	28	17	23	24
Library science .....	0	3	2	0	1	2	6	6	1	0
Life sciences .....	25	36	32	30	35	22	28	21	23	23
Mathematics .....	12	6	7	8	5	1	3	0	1	3
Military sciences .....	0	---	0	0	0	0	---	0	0	0
Physical sciences .....	43	28	26	22	26	5	4	9	4	6
Psychology .....	50	62	51	35	40	61	54	62	62	73
Public affairs and services .....	20	19	20	16	18	11	33	20	20	23
Social sciences .....	91	66	67	57	62	41	34	45	38	46
Theology .....	32	45	41	34	35	0	0	9	5	9
Interdisciplinary studies .....	6	5	4	1	4	9	7	3	3	7
<b>Hispanic</b>										
Total .....	294	277	431	439	352	145	179	246	311	273
Agriculture and natural resources .....	10	14	16	12	17	2	0	2	3	3
Architecture and environmental design .....	3	2	1	0	1	0	0	0	0	1
Area and ethnic studies .....	1	1	7	2	3	2	0	2	0	1
Business and management .....	4	1	4	6	12	1	1	0	4	2
Communications .....	2	0	0	7	2	0	0	1	4	2
Computer and information sciences .....	1	0	2	5	1	0	0	0	1	3
Education .....	86	66	78	87	68	50	74	85	120	94
Engineering .....	21	22	88	65	37	1	1	1	3	6
Fine and applied arts .....	4	2	7	8	6	3	2	5	3	2
Foreign languages .....	24	19	23	11	10	20	18	18	31	22
Health professions .....	2	3	6	10	5	2	5	10	7	10
Home economics .....	0	0	0	1	0	0	1	7	5	2
Law .....	1	1	1	12	0	0	0	0	7	0
Letters .....	10	6	8	22	16	9	8	10	9	17
Library science .....	0	0	0	0	0	0	1	1	0	0
Life sciences .....	19	30	39	36	36	9	10	28	23	11
Mathematics .....	5	4	16	7	5	1	2	6	2	2
Military sciences .....	0	---	0	0	0	0	---	0	0	0
Physical sciences .....	19	21	36	43	43	4	2	7	17	11
Psychology .....	33	34	27	23	37	31	31	31	48	52
Public affairs and services .....	1	6	5	18	4	0	4	6	2	6
Social sciences .....	32	37	50	50	36	7	15	23	18	24
Theology .....	7	7	12	11	10	0	0	0	0	0
Interdisciplinary studies .....	9	1	5	5	3	3	4	3	4	2

See footnotes at end of table.

Table 5.—Doctoral degrees conferred by institutions of higher education, by sex, race/ethnicity, and field of study: 1978–79 through 1988–89—Continued

Field of study and race/ethnicity	Men					Women				
	1978–79	1980–81	1984–85	1986–87	1988–89	1978–79	1980–81	1984–85	1986–87	1988–89
<b>Asian or Pacific Islander</b>										
Total .....	648	655	802	795	954	165	222	304	302	383
Agriculture and natural resources .....	29	22	51	28	22	5	7	6	4	8
Architecture and environmental design .....	1	5	3	1	4	1	0	1	0	2
Area and ethnic studies .....	2	5	4	1	0	1	1	3	0	2
Business and management .....	12	19	31	46	52	0	6	4	4	5
Communications .....	3	2	1	0	1	0	0	0	1	1
Computer and information sciences .....	8	14	13	16	37	0	0	1	4	5
Education .....	60	48	31	59	58	37	57	53	45	70
Engineering .....	180	182	244	240	300	3	9	19	18	26
Fine and applied arts .....	3	3	4	8	18	4	4	9	12	17
Foreign languages .....	5	5	3	2	3	4	0	3	2	4
Health professions .....	11	18	30	23	29	2	7	23	17	18
Home economics .....	1	1	1	1	2	3	5	4	5	4
Law .....	2	0	0	0	2	0	0	0	0	0
Letters .....	20	16	19	11	21	6	6	12	19	15
Library science .....	1	1	3	2	1	0	2	3	0	2
Life sciences .....	88	93	79	83	95	39	47	50	66	79
Mathematics .....	21	24	31	24	24	8	7	5	13	9
Military sciences .....	0	---	0	0	0	0	---	0	0	0
Physical sciences .....	100	90	134	129	149	21	16	45	37	36
Psychology .....	11	18	26	22	26	12	15	25	29	35
Public affairs and services .....	8	6	5	4	8	2	5	5	5	8
Social sciences .....	53	48	44	59	68	12	24	23	18	33
Theology .....	15	33	35	36	32	0	0	6	1	3
Interdisciplinary studies .....	12	2	10	2	4	5	4	4	2	1
<b>American Indian/Alaskan Native</b>										
Total .....	69	95	64	58	49	35	35	55	46	35
Agriculture and natural resources .....	0	2	3	2	0	0	0	0	0	0
Architecture and environmental design .....	0	0	0	0	1	0	0	0	0	0
Area and ethnic studies .....	0	1	0	1	0	0	0	0	0	1
Business and management .....	2	5	3	1	2	1	0	1	1	0
Communications .....	0	1	0	0	0	0	0	0	0	0
Computer and information sciences .....	0	1	1	1	0	0	0	0	0	0
Education .....	25	41	19	25	11	18	16	32	24	14
Engineering .....	2	5	6	3	3	0	0	1	0	0
Fine and applied arts .....	3	1	1	0	0	0	1	1	2	1
Foreign languages .....	0	1	1	0	0	1	0	1	0	0
Health professions .....	1	3	5	1	1	1	3	2	2	1
Home economics .....	0	0	0	0	0	0	1	0	0	0
Law .....	0	0	0	0	0	0	0	0	0	0
Letters .....	1	5	0	3	3	2	2	4	3	0
Library science .....	0	0	0	1	0	0	0	0	0	0
Life sciences .....	6	5	2	4	6	0	3	2	1	4
Mathematics .....	0	2	0	1	0	0	0	0	0	1
Military sciences .....	0	---	0	0	0	0	---	0	0	0
Physical sciences .....	7	3	9	3	9	1	1	3	0	4
Psychology .....	7	7	4	6	3	3	3	1	10	5
Public affairs and services .....	2	1	3	2	0	1	1	0	0	1
Social sciences .....	11	9	4	2	8	6	3	6	2	2
Theology .....	1	1	3	2	2	0	0	0	0	0
Interdisciplinary studies .....	1	1	0	0	0	1	1	1	1	1

See footnotes at end of table.

Table 5.—Doctoral degrees conferred by institutions of higher education, by sex, race/ethnicity, and field of study: 1978-79 through 1988-89—Continued

Field of study and race/ethnicity	Men					Women				
	1978-79	1980-81	1984-85	1986-87	1988-89	1978-79	1980-81	1984-85	1986-87	1988-89
Nonresident alien										
Total .....	3,312	3,564	4,421	5,466	6,231	603	639	896	1,121	1,449
Agriculture and natural resources .....	252	311	288	280	382	16	32	36	41	60
Architecture and environmental design .....	30	22	22	33	32	3	2	4	6	9
Area and ethnic studies .....	8	14	5	13	14	2	5	5	9	5
Business and management .....	156	149	184	289	270	7	12	19	26	41
Communications .....	14	17	27	33	35	3	5	8	9	14
Computer and information sciences .....	47	49	66	121	186	1	3	4	5	19
Education .....	336	421	409	357	328	161	172	189	229	245
Engineering .....	842	919	1,335	1,715	2,079	25	37	63	67	105
Fine and applied arts .....	28	25	30	43	47	11	12	18	21	29
Foreign languages .....	36	40	24	47	44	39	26	37	32	43
Health professions .....	61	62	95	116	142	20	26	44	72	87
Home economics .....	1	9	21	12	7	7	15	16	25	29
Law .....	15	17	17	24	31	2	1	0	3	15
Letters .....	83	101	109	125	126	38	41	63	78	89
Library science .....	4	5	8	3	10	2	2	5	7	5
Life sciences .....	257	214	268	367	385	86	75	108	160	182
Mathematics .....	142	156	224	273	356	20	17	25	45	64
Military sciences .....	0	---	0	0	0	0	---	0	0	0
Physical sciences .....	427	469	589	856	940	60	61	93	119	192
Psychology .....	47	72	58	52	60	27	22	35	44	56
Public affairs and services .....	24	23	34	36	57	9	5	11	13	10
Social sciences .....	378	361	489	530	593	51	57	108	90	132
Theology .....	37	82	80	89	80	1	8	1	12	10
Interdisciplinary studies .....	87	26	39	42	27	12	3	4	8	8

--- Data not available

NOTE: Data for 1978-79 exclude U.S. Service Schools.

SOURCES: U.S. Department of Education, Office for Civil Rights, "Data on Earned Degrees Conferred by Institutions of Higher Education by Race, Ethnicity, and Sex," various years; and National Center for Education Statistics, Higher Education General Information Survey, various years, and Integrated Postsecondary Education Data System, various years.

Table 6.—First professional degree conferred by institutions of higher education, by sex, race/ethnicity, and field of study: 1978-79 through 1988-89

Field of study and race/ethnicity	Men					Women				
	1978-79	1980-81	1984-85	1986-87	1988-89	1978-79	1980-81	1984-85	1986-87	1988-89
All fields, total .....	52,333	52,194	47,501	46,522	45,067	16,170	19,146	23,556	25,095	25,691
Dentistry (D.D.S. or D.M.D.) .....	4794	4672	3744	3602	3139	640	788	988	1137	1108
Medicine (M.D.) .....	11381	11672	10363	10431	10326	3405	3833	4609	4998	5128
Optometry (O.D.) .....	910	890	812	697	683	136	207	302	385	410
Osteopathic medicine (D.O.) .....	898	957	1136	1206	1183	167	188	353	412	452
Pharmacy (D. Phar.) .....	409	381	330	351	422	230	283	318	510	652
Podiatry (Pod.D., D.P. or D.P.M.) .....	531	528	464	468	487	41	69	118	123	149
Veterinary medicine (D.V.M.) .....	1218	1245	1134	1150	981	496	677	1043	1080	1176
Chiropractic (D.C. or D.C.M.) .....	1498	1948	2072	1864	2159	173	389	589	629	731
Law, general (LL.B. or J.D.) .....	25180	24563	22120	21561	21048	10026	11768	13928	14495	14519
Theological professions, general .....	5514	5338	5294	5192	4639	856	944	1291	1326	1366
Other .....	0	0	32	0	0	0	0	17	0	0
White, non-Hispanic										
Total .....	48,123	47,629	42,630	41,149	39,448	14,307	16,922	20,589	21,539	21,740
Dentistry (D.D.S. or D.M.D.) .....	4,381	4,257	3,267	3,006	2,515	520	639	761	850	765
Medicine (M.D.) .....	10,299	10,460	9,051	9,003	8,726	2,906	3,263	3,864	4,134	4,064
Optometry (O.D.) .....	851	843	722	625	606	117	174	257	318	330
Osteopathic medicine (D.O.) .....	856	918	1,073	1,132	1,065	157	173	327	366	400
Pharmacy (D. Phar.) .....	306	276	243	236	289	164	195	213	295	446
Podiatry (Pod.D., D.P. or D.P.M.) .....	506	495	425	423	427	37	57	92	98	114
Veterinary medicine (D.V.M.) .....	1,163	1,204	1,078	1,035	924	465	642	994	1,017	1,105
Chiropractic (D.C. or D.C.M.) .....	1,447	1,787	1,932	1,723	1,958	166	357	551	575	656
Law, general (LL.B. or J.D.) .....	23,348	22,564	20,268	19,528	19,011	8,988	10,545	12,369	12,714	12,668
Theological professions, general .....	4,968	4,825	4,540	4,438	3,927	787	877	1,144	1,172	1,192
Other .....	0	0	31	0	0	0	0	17	0	0
Black, non-Hispanic										
Total .....	1,783	1,772	1,623	1,835	1,608	1,053	1,159	1,406	1,585	1,493
Dentistry (D.D.S. or D.M.D.) .....	125	126	101	169	101	55	69	76	93	78
Medicine (M.D.) .....	493	445	399	437	380	269	324	331	349	399
Optometry (O.D.) .....	8	3	7	8	16	4	6	7	10	14
Osteopathic medicine (D.O.) .....	12	11	18	7	27	6	5	11	19	14
Pharmacy (D. Phar.) .....	6	8	16	37	19	10	12	14	75	32
Podiatry (Pod.D., D.P. or D.P.M.) .....	13	13	17	18	21	2	7	18	15	19
Veterinary medicine (D.V.M.) .....	19	16	14	12	11	18	21	22	17	21
Chiropractic (D.C. or D.C.M.) .....	5	11	13	16	15	2	2	9	10	9
Law, general (LL.B. or J.D.) .....	855	905	733	822	770	645	671	828	913	816
Theological professions, general .....	247	234	305	309	248	42	42	90	84	91
Other .....	0	0	0	0	0	0	0	0	0	0
Hispanic										
Total .....	989	1,131	1,239	1,303	1,367	294	410	645	748	887
Dentistry (D.D.S. or D.M.D.) .....	70	69	90	120	134	15	17	33	49	67
Medicine (M.D.) .....	243	305	327	319	369	81	90	152	165	196
Optometry (O.D.) .....	8	13	20	20	12	0	3	8	9	15
Osteopathic medicine (D.O.) .....	8	11	13	17	39	2	2	5	8	19
Pharmacy (D. Phar.) .....	6	11	5	16	14	1	8	7	26	17
Podiatry (Pod.D., D.P. or D.P.M.) .....	3	10	5	8	12	1	2	5	3	3
Veterinary medicine (D.V.M.) .....	11	7	20	73	25	3	4	14	17	19
Chiropractic (D.C. or D.C.M.) .....	18	21	34	28	55	1	3	8	11	18
Law, general (LL.B. or J.D.) .....	543	621	621	610	636	185	278	398	444	510
Theological professions, general .....	79	63	104	92	71	5	3	15	16	23
Other .....	0	0	0	0	0	0	0	0	0	0

See footnotes at end of table.

Table 6.—First-professional degrees conferred by institutions of higher education, by sex, race/ethnicity, and field of study: 1978-79 through 1988-89

Field of study and race/ethnicity	Men					Women				
	1978-79	1980-81	1984-85	1986-87	1988-89	1978-79	1980-81	1984-85	1986-87	1988-89
<b>Asian or Pacific Islander</b>										
Total .....	860	991	1,152	1,420	1,811	345	465	664	850	1,156
Dentistry (D.D.S. or D.M.D.) .....	158	159	200	218	284	36	45	89	101	134
Medicine (M.D.) .....	261	329	391	534	742	108	117	192	271	405
Optometry (O.D.) .....	33	21	51	33	37	12	19	26	41	42
Osteopathic medicine (D.O.) .....	13	8	23	31	40	0	6	8	14	15
Pharmacy (D. Phar.) .....	70	63	35	27	60	42	52	61	83	130
Podiatry (Pod.D., D.P. or D.P.M.) .....	6	6	12	8	11	1	2	3	4	7
Veterinary medicine (D.V.M.) .....	9	11	12	11	7	1	6	8	13	22
Chiropractic (D.C. or D.C.M.) .....	18	21	25	25	37	2	1	6	5	15
Law, general (LL.B. or J.D.) .....	251	322	323	393	426	139	208	265	301	367
Theological professions, general .....	41	51	80	140	147	4	9	6	17	19
Other .....	0	0	0	0	0	0	0	0	0	0
<b>American Indian/Alaskan Native</b>										
Total .....	150	134	176	183	149	66	58	72	121	119
Dentistry (D.D.S. or D.M.D.) .....	21	9	22	11	7	2	1	9	2	6
Medicine (M.D.) .....	25	39	64	36	31	13	12	25	30	30
Optometry (O.D.) .....	0	1	1	3	3	0	1	1	1	1
Osteopathic medicine (D.O.) .....	6	7	6	10	8	2	1	2	3	1
Pharmacy (D. Phar.) .....	1	2	1	6	1	0	1	0	0	1
Podiatry (Pod.D., D.P. or D.P.M.) .....	0	0	2	2	2	0	1	0	0	0
Veterinary medicine (D.V.M.) .....	8	2	5	16	8	7	2	1	15	6
Chiropractic (D.C. or D.C.M.) .....	5	1	4	3	4	1	2	2	1	0
Law, general (LL.B. or J.D.) .....	80	68	69	84	81	41	33	30	68	65
Theological professions, general .....	4	5	2	12	4	0	4	2	1	9
Other .....	0	0	0	0	0	0	0	0	0	0
<b>Nonresident alien</b>										
Total .....	428	537	681	632	684	105	132	180	252	296
Dentistry (D.D.S. or D.M.D.) .....	39	52	64	78	98	12	17	20	42	58
Medicine (M.D.) .....	60	94	131	102	78	28	27	45	49	34
Optometry (O.D.) .....	10	9	11	8	9	3	4	3	6	8
Osteopathic medicine (D.O.) .....	3	2	3	9	4	0	1	0	2	3
Pharmacy (D. Phar.) .....	20	21	30	29	19	13	15	23	31	26
Podiatry (Pod.D., D.P. or D.P.M.) .....	3	4	3	9	14	0	0	0	3	6
Veterinary medicine (D.V.M.) .....	8	5	5	3	6	2	2	4	1	3
Chiropractic (D.C. or D.C.M.) .....	5	107	64	69	90	1	24	13	27	33
Law, general (LL.B. or J.D.) .....	105	83	106	124	124	28	33	38	55	93
Theological professions, general .....	175	160	263	201	242	18	9	34	36	32
Other .....	0	0	1	0	0	0	0	0	0	0

NOTE: Data for 1978-79 exclude U.S. Service Schools.

SOURCE: U.S. Department of Education, Office for Civil Rights, "Data on Earned Degrees Conferred by Institutions of Higher Education by Race, Ethnicity, and Sex," various years; and National Center for Education Statistics, Higher Education General Information Survey, various years, and Integrated Postsecondary Education Data System, various years.

Table 7.—Associate degrees conferred by institutions of higher education, by sex, race/ethnicity, and field of study: 1984-85 and 1988-89

Field of study	Men			Women			Total		
	1984-85	1986-87	1988-89	1984-85	1986-87	1988-89	1984-85	1986-87	1988-89
All fields, total .....	190,409	190,832	182,909	239,406	245,467	247,037	429,815	436,299	429,946
Agriculture and natural resources .....	4,347	3,691	3,074	1,973	1,767	1,666	6,320	5,458	4,740
Architecture and environmental design .....	211	229	258	971	1,436	1,559	1,182	1,665	1,815
Area and ethnic studies .....	1	6	8	9	8	7	10	14	15
Business and management .....	39,943	36,924	33,121	76,794	78,307	73,458	116,737	115,231	106,579
Communications .....	2,319	2,065	2,113	1,545	1,476	1,631	3,664	3,541	3,744
Computer and information sciences .....	6,102	4,791	4,005	5,741	4,310	3,909	11,843	9,101	7,914
Education .....	2,106	2,113	2,132	4,903	5,220	5,198	7,009	7,333	7,330
Engineering .....	54,330	56,921	50,559	5,061	5,591	5,299	59,391	62,512	55,858
Fine and applied arts .....	7,566	8,095	7,439	5,319	6,066	5,355	12,885	14,161	12,794
Foreign languages .....	183	231	112	167	190	220	350	421	332
Health professions .....	7,758	7,214	6,977	58,106	55,333	52,351	65,864	62,547	59,328
Home economics .....	2,530	2,738	3,304	6,561	6,590	7,126	9,091	9,328	10,430
Law .....	275	287	471	1,686	2,211	3,271	1,961	2,498	3,742
Letters .....	252	222	222	393	386	385	645	608	607
Library science .....	9	19	12	99	98	91	108	117	103
Life sciences .....	381	397	412	471	495	558	852	892	970
Mathematics .....	429	418	415	264	248	239	693	666	654
Military sciences .....	15	39	133	0	2	31	15	41	164
Physical sciences .....	1,252	1,253	1,135	747	808	812	1,999	2,061	1,947
Psychology .....	244	292	280	577	722	805	821	1,014	1,085
Public affairs and services .....	10,819	10,537	10,939	5,286	5,484	5,813	16,105	16,021	16,752
Social sciences .....	898	1,095	1,174	1,188	1,489	1,526	2,086	2,584	2,700
Theology .....	390	355	320	299	239	248	689	594	568
Interdisciplinary studies .....	48,049	50,900	54,296	61,246	66,991	75,479	109,295	117,891	129,775
White, non-Hispanic									
Total .....	157,278	158,126	150,073	198,065	203,693	203,049	355,343	361,819	353,122
Agriculture and natural resources .....	4,050	3,492	2,913	1,903	1,657	1,561	5,953	5,149	4,474
Architecture and environmental design .....	166	169	191	862	1,279	1,355	1,028	1,448	1,546
Area and ethnic studies .....	0	2	1	3	1	2	3	3	3
Business and management .....	32,633	30,367	26,753	62,259	63,623	58,752	94,892	93,990	85,505
Communications .....	1,960	1,750	1,792	1,346	1,222	1,359	3,306	2,972	3,151
Computer and information sciences .....	5,066	3,855	3,180	4,662	3,255	2,865	9,728	7,110	6,045
Education .....	1,418	1,654	1,584	3,846	4,288	4,229	5,264	5,942	5,813
Engineering .....	45,574	47,010	41,793	4,051	4,326	4,163	49,625	51,338	45,956
Fine and applied arts .....	6,192	6,811	6,147	4,522	5,165	4,484	10,714	11,976	10,631
Foreign languages .....	149	203	90	120	150	166	269	353	256
Health professions .....	6,530	5,945	5,624	51,189	47,931	44,758	57,719	53,876	50,382
Home economics .....	2,261	2,461	2,910	5,015	5,157	5,591	7,276	7,618	8,501
Law .....	210	216	378	1,487	1,963	2,838	1,697	2,179	3,216
Letters .....	205	172	169	312	308	307	517	480	476
Library science .....	8	14	10	89	90	78	97	104	88
Life sciences .....	296	288	310	366	329	418	662	617	728
Mathematics .....	321	313	301	204	186	181	525	499	482
Military sciences .....	15	37	109	0	2	24	15	39	133
Physical sciences .....	1,048	1,080	932	617	687	694	1,665	1,767	1,626
Psychology .....	204	233	210	476	592	643	680	825	853
Public affairs and services .....	9,106	8,794	9,229	4,020	4,197	4,486	13,126	12,991	13,715
Social sciences .....	596	792	840	791	1,061	1,117	1,387	1,853	1,957
Theology .....	339	308	286	261	219	224	600	527	510
Interdisciplinary studies .....	38,931	42,160	44,321	49,664	56,005	62,754	88,595	98,165	107,075

See footnotes at end of table.

Table 7.—Associate degrees conferred by institutions of higher education, by sex, race/ethnicity, and field of study: 1984-85 and 1988-89—Continued

Field of study	Men			Women			Total		
	1984-85	1986-87	1988-89	1984-85	1986-87	1988-89	1984-85	1986-87	1988-89
<b>Black, non-Hispanic</b>									
Total .....	14,184	13,947	12,826	21,607	21,510	21,585	35,791	35,457	34,411
Agriculture and natural resources .....	98	46	24	19	16	18	117	62	42
Architecture and environmental design .....	17	10	13	29	46	55	46	56	68
Area and ethnic studies .....	1	0	4	0	3	1	1	3	5
Business and management .....	3,597	3,479	3,057	8,123	8,220	7,924	11,720	11,699	10,981
Communications .....	222	190	168	113	139	138	335	329	306
Computer and information sciences .....	446	415	315	462	539	556	908	954	871
Education .....	248	222	253	405	417	474	653	639	727
Engineering .....	3,517	3,751	3,073	502	529	565	4,019	4,280	3,638
Fine and applied arts .....	462	469	382	283	315	253	745	784	635
Foreign languages .....	21	9	2	8	5	9	29	14	11
Health professions .....	560	599	534	4,018	4,279	4,374	4,578	4,878	4,908
Home economics .....	159	131	193	870	838	812	1,029	969	1,005
Law .....	39	44	44	89	126	214	128	170	258
Letters .....	18	16	22	37	23	24	55	39	46
Library science .....	1	1	0	5	4	5	6	5	5
Life sciences .....	37	21	18	56	84	49	93	105	67
Mathematics .....	17	27	17	7	12	9	24	39	26
Military sciences .....	0	0	17	0	0	5	0	0	22
Physical sciences .....	57	53	39	52	51	43	109	104	82
Psychology .....	22	29	30	43	48	53	65	77	83
Public affairs and services .....	897	819	720	808	810	850	1,705	1,629	1,570
Social sciences .....	140	155	162	201	149	163	341	304	325
Theology .....	21	30	18	10	4	6	31	34	24
Interdisciplinary studies .....	3,587	3,431	3,721	5,467	4,853	4,985	9,054	8,284	8,706
<b>Hispanic</b>									
Total .....	8,561	8,764	9,172	10,846	10,581	11,122	19,407	19,345	20,294
Agriculture and natural resources .....	72	61	50	20	64	59	92	125	109
Architecture and environmental design .....	6	23	17	44	50	64	50	73	81
Area and ethnic studies .....	0	1	0	1	1	0	1	2	0
Business and management .....	1,704	1,376	1,455	3,425	3,318	3,288	5,129	4,694	4,743
Communications .....	75	64	74	55	60	52	130	124	126
Computer and information sciences .....	216	207	199	219	208	177	435	415	376
Education .....	145	124	157	494	290	297	639	414	454
Engineering .....	2,034	2,554	2,335	176	228	211	2,210	2,782	2,546
Fine and applied arts .....	338	358	391	196	223	241	534	581	632
Foreign languages .....	7	5	7	27	17	28	34	22	35
Health professions .....	395	374	442	1,578	1,672	1,610	1,973	2,046	2,052
Home economics .....	42	44	65	405	352	390	447	396	455
Law .....	17	19	28	59	75	105	76	94	133
Letters .....	8	11	7	21	21	18	29	32	25
Library science .....	0	2	1	2	2	4	2	4	5
Life sciences .....	19	30	26	19	24	36	38	54	62
Mathematics .....	29	22	33	9	18	17	38	40	50
Military sciences .....	0	1	7	0	0	2	0	1	9
Physical sciences .....	80	51	60	31	27	32	111	78	92
Psychology .....	10	16	24	33	51	71	43	67	95
Public affairs and services .....	535	660	640	315	290	308	850	950	948
Social sciences .....	101	80	88	124	176	118	225	256	206
Theology .....	19	11	9	11	7	8	30	18	17
Interdisciplinary studies .....	2,709	2,670	3,057	3,582	3,407	3,986	6,291	6,077	7,043

See footnotes at end of table.

Table 7.—Associate degrees conferred by institutions of higher education, by sex, race/ethnicity, and field of study: 1984-85 and 1988-89—Continued

Field of study	Men			Women			Total		
	1984-85	1986-87	1988-89	1984-85	1986-87	1988-89	1984-85	1986-87	1988-89
<b>Asian or Pacific Islander</b>									
Total .....	5,492	6,172	6,320	4,422	5,622	6,113	9,914	11,794	12,433
Agriculture and natural resources .....	22	20	13	6	7	9	28	27	22
Architecture and environmental design .....	9	19	15	18	35	47	27	54	62
Area and ethnic studies .....	0	0	1	0	0	0	0	0	1
Business and management .....	900	997	1,041	1,524	1,856	1,970	2,424	2,853	3,011
Communications .....	26	24	27	6	17	23	32	41	50
Computer and information sciences ..	211	199	170	236	205	187	447	404	357
Education .....	253	57	46	38	73	57	291	130	103
Engineering .....	1,973	2,587	2,331	236	392	241	2,209	2,979	2,572
Fine and applied arts .....	406	306	376	181	154	195	587	460	571
Foreign languages .....	1	5	4	7	8	4	8	13	8
Health professions .....	174	173	227	672	855	920	846	1,028	1,147
Home economics .....	49	66	90	121	141	181	170	207	271
Law .....	5	3	2	24	37	40	29	40	42
Letters .....	1	14	7	1	20	9	2	34	18
Library science .....	0	1	0	3	2	2	3	3	2
Life sciences .....	13	25	31	18	37	25	31	62	56
Mathematics .....	34	46	45	29	26	23	63	72	68
Military sciences .....	0	0	0	0	0	0	0	0	0
Physical sciences .....	39	36	69	32	31	26	71	67	95
Psychology .....	1	6	5	7	14	9	8	20	14
Public affairs and services .....	136	133	175	50	78	66	186	211	241
Social sciences .....	24	37	41	15	58	73	39	95	114
Theology .....	2	1	2	3	2	6	5	3	8
Interdisciplinary studies .....	1,213	1,417	1,602	1,195	1,574	2,000	2,408	2,991	3,602
<b>American Indian/Alaskan Native</b>									
Total .....	1,198	1,263	1,315	1,755	1,933	2,003	2,953	3,196	3,318
Agriculture and natural resources .....	41	36	29	12	15	6	53	51	35
Architecture and environmental design .....	2	1	2	2	3	2	4	4	4
Area and ethnic studies .....	0	3	2	5	3	4	5	6	6
Business and management .....	234	203	193	562	608	589	796	811	782
Communications .....	4	9	13	7	13	9	11	22	22
Computer and information sciences ..	16	20	24	36	27	39	52	47	63
Education .....	23	33	42	78	101	85	101	134	127
Engineering .....	313	320	360	41	40	49	354	360	409
Fine and applied arts .....	74	96	63	42	89	42	116	185	105
Foreign languages .....	0	6	5	0	5	5	0	11	10
Health professions .....	45	51	50	327	352	360	372	403	410
Home economics .....	9	17	15	54	37	61	63	54	76
Law .....	0	5	8	7	6	28	7	11	36
Letters .....	1	4	8	4	4	10	5	8	18
Library science .....	0	0	1	0	0	2	0	0	3
Life sciences .....	4	5	8	4	13	12	8	18	20
Mathematics .....	4	2	6	0	2	3	4	4	9
Military sciences .....	0	1	0	0	0	0	0	1	0
Physical sciences .....	7	3	1	7	3	2	14	6	3
Psychology .....	2	6	5	9	11	8	11	17	13
Public affairs and services .....	64	60	93	62	84	71	126	144	164
Social sciences .....	10	18	15	25	34	29	35	52	44
Theology .....	0	0	0	1	1	2	1	1	2
Interdisciplinary studies .....	345	364	372	470	482	585	815	846	957

See footnotes at end of table.

Table 7.—Associate degrees conferred by institutions of higher education, by sex, race/ethnicity, and field of study: 1984-85 and 1988-89—Continued

Field of study	Men			Women			Total		
	1984-85	1986-87	1988-89	1984-85	1986-87	1988-89	1984-85	1986-87	1988-89
Nonresident alien									
Total .....	3,696	2,560	3,203	2,711	2,128	3,165	6,407	4,688	6,368
Agriculture and natural resources .....	64	36	45	13	8	13	77	44	58
Architecture and environmental design .....	11	7	18	16	23	38	27	30	54
Area and ethnic studies .....	0	0	0	0	0	0	0	0	0
Business and management .....	875	502	622	901	682	935	1,776	1,184	1,557
Communications .....	32	28	39	18	25	50	50	53	89
Computer and information sciences .....	147	95	117	126	76	85	273	171	202
Education .....	19	23	50	42	51	56	61	74	106
Engineering .....	919	699	667	55	78	70	974	775	737
Fine and applied arts .....	94	55	80	95	120	140	189	175	220
Foreign languages .....	5	3	4	5	5	8	10	8	12
Health professions .....	54	72	100	322	244	329	376	316	429
Home economics .....	10	19	31	98	65	91	106	84	122
Law .....	4	0	11	20	4	48	24	4	57
Letters .....	19	5	9	18	10	17	37	15	26
Library science .....	0	1	0	0	0	0	0	1	0
Life sciences .....	12	28	19	8	8	18	20	38	37
Mathematics .....	24	8	13	15	4	6	39	12	19
Military sciences .....	0	0	0	0	0	0	0	0	0
Physical sciences .....	21	30	34	8	9	15	29	39	49
Psychology .....	5	2	6	9	6	21	14	8	27
Public affairs and services .....	81	71	82	31	25	32	112	96	114
Social sciences .....	27	13	28	32	11	26	59	24	54
Theology .....	9	5	5	13	6	2	22	11	7
Interdisciplinary studies .....	1,264	858	1,223	868	670	1,169	2,132	1,528	2,392

NOTE: Data for the 1982-83 survey year were not edited; thus, they could not be analyzed.

SOURCE: U.S. Department of Education, Office for Civil Rights, "Data on Earned Degrees Conferred by Institutions of Higher Education by Race, Ethnicity, and Sex," various years; and National Center for Education Statistics, Higher Education General Information Survey, various years, and Integrated Postsecondary Education Data System, various years.

Table 8.—Degrees conferred by institutions of higher education, by level and field of study: 1978-79 through 1988-89

Level and field of study	Year					Annual percent change			
	1978-79	1980-81	1984-85	1986-87	1988-89	1978-79 to 1980-81	1980-81 to 1984-85	1984-85 to 1986-87	1986-87 to 1988-89
	No.	No.	No.	No.	No.	Pct.	Pct.	Pct.	Pct.
Associate degrees, total .....	—	—	429,815	436,299	429,946	—	—	0.8	-0.7
Agriculture and natural resources .....	—	—	6,320	5,458	4,740	—	—	-6.8	-6.6
Architecture and environmental design .....	—	—	1,182	1,665	1,815	—	—	20.4	4.5
Area and ethnic studies .....	—	—	10	14	15	—	—	20.0	3.6
Business and management .....	—	—	116,737	115,231	106,579	—	—	-0.8	-3.8
Communications .....	—	—	3,864	3,541	3,744	—	—	-4.2	2.9
Computer and information sciences .....	—	—	11,843	9,101	7,914	—	—	-11.6	-6.5
Education .....	—	—	7,009	7,333	7,330	—	—	2.3	0.0
Engineering .....	—	—	59,391	62,512	55,858	—	—	2.6	-5.3
Fine and applied arts .....	—	—	12,885	14,161	12,794	—	—	5.0	-4.8
Foreign languages .....	—	—	350	421	332	—	—	10.1	-10.6
Health professions .....	—	—	65,864	62,547	59,328	—	—	-2.5	-2.6
Home economics .....	—	—	9,091	9,328	10,430	—	—	1.3	5.9
Law .....	—	—	1,961	2,498	3,742	—	—	13.7	24.9
Letters .....	—	—	645	608	607	—	—	-2.9	-0.1
Library science .....	—	—	108	117	103	—	—	4.2	-6.0
Life sciences .....	—	—	852	892	970	—	—	2.3	4.4
Mathematics .....	—	—	693	666	654	—	—	-1.9	-0.9
Military sciences .....	—	—	15	41	164	—	—	—	—
Physical sciences .....	—	—	1,999	2,061	1,947	—	—	1.6	-2.8
Psychology .....	—	—	821	1,014	1,085	—	—	11.8	3.5
Public affairs and services .....	—	—	16,105	16,021	16,752	—	—	-0.3	2.3
Social sciences .....	—	—	2,086	2,584	2,700	—	—	11.9	2.2
Theology .....	—	—	689	594	568	—	—	-6.9	-2.2
Interdisciplinary studies .....	—	—	109,295	117,891	129,775	—	—	3.9	5.0
Bachelor's degrees, total .....	916,226	934,800	968,311	991,260	1,015,239	1.0	0.9	1.2	1.2
Agriculture and natural resources .....	23,134	21,886	18,015	14,991	13,488	-2.7	-4.4	-8.4	-5.0
Architecture and environmental design .....	9,273	9,455	9,217	8,950	9,191	1.0	-0.6	-1.4	1.3
Area and ethnic studies .....	2,569	2,585	2,851	3,307	3,949	0.3	2.8	8.0	9.7
Business and management .....	172,524	200,857	231,308	241,100	246,659	8.2	3.8	2.1	1.2
Communications .....	26,437	31,282	41,547	45,393	48,625	9.2	8.2	4.6	3.6
Computer and information sciences .....	8,693	15,120	38,589	39,590	30,637	37.0	38.8	1.3	-11.3
Education .....	125,786	108,265	87,788	87,083	96,988	-7.0	-4.7	-0.4	5.7
Engineering .....	61,426	74,954	94,560	93,097	85,273	11.0	6.5	-0.8	-4.2
Fine and applied arts .....	40,708	40,241	37,351	36,233	37,781	-0.6	-1.8	-1.5	2.1
Foreign languages .....	11,818	10,319	9,845	10,197	10,774	-6.3	-1.1	1.8	2.8
Health professions .....	62,085	63,649	63,289	63,213	59,111	1.3	-0.1	-0.1	-3.2
Home economics .....	18,259	18,370	15,454	14,940	14,717	0.3	-4.0	-1.7	-0.7
Law .....	670	776	1,131	1,177	1,976	7.9	11.4	2.0	33.9
Letters .....	41,978	40,028	40,193	43,116	49,734	-2.3	0.1	3.6	7.7
Library science .....	558	375	194	140	122	-16.4	-12.1	-13.9	-6.4
Life sciences .....	48,794	43,216	38,115	38,120	36,079	-5.7	-3.0	0.0	-2.7
Mathematics .....	11,624	11,078	14,885	16,444	15,237	-2.3	6.6	5.2	-3.7
Military sciences .....	141	305	298	384	419	58.2	-0.6	14.4	4.6
Physical sciences .....	22,861	23,950	23,555	20,071	17,204	2.4	-0.4	-7.4	-7.1
Psychology .....	42,395	40,833	39,523	42,835	48,516	-1.8	-0.8	4.2	6.6
Public affairs and services .....	38,249	36,311	30,572	31,214	34,051	-2.5	-4.0	1.0	4.5
Social sciences .....	108,000	100,647	90,795	96,172	107,714	-3.4	-2.4	3.0	6.0
Theology .....	5,898	5,807	5,874	5,728	5,322	-0.8	0.3	-1.2	-3.5
Interdisciplinary studies .....	32,346	34,491	33,362	37,765	41,672	3.3	-0.8	6.6	5.2

See footnotes at end of table.

Table 8 —Degrees conferred by institutions of higher education, by level and field of study: 1978-79 through 1988-89—Continued

Level and field of study	Year					Annual percent change			
	1978-79	1980-81	1984-85	1986-87	1988-89	1978-79 to 1980-81	1980-81 to 1984-85	1984-85 to 1986-87	1986-87 to 1988-89
	No.	No.	No.	No.	No.	Pct.	Pct.	Pct.	Pct.
<b>Master's degrees, total</b> .....	<b>301,707</b>	<b>294,183</b>	<b>280,421</b>	<b>289,341</b>	<b>308,872</b>	<b>-1.2</b>	<b>-1.2</b>	<b>1.6</b>	<b>3.4</b>
Agriculture and natural resources .....	3,994	4,003	3,901	3,521	3,245	0.1	-0.6	-4.9	-3.9
Architecture and environmental design .....	3,113	3,153	3,233	3,164	3,378	0.6	0.6	-1.1	3.4
Area and ethnic studies .....	738	718	778	853	978	-1.4	2.1	4.8	7.3
Business and management .....	50,043	57,541	66,596	67,504	73,154	7.5	3.9	0.7	4.2
Communications .....	2,880	3,105	3,521	3,892	4,233	3.9	3.3	5.3	4.4
Computer and information sciences .....	2,980	4,143	6,942	8,481	9,392	19.5	16.9	11.1	5.4
Education .....	111,487	98,380	75,821	75,473	82,238	-5.9	-5.7	-0.2	4.5
Engineering .....	15,239	16,358	20,735	22,658	24,541	3.7	6.7	4.6	4.2
Fine and applied arts .....	8,502	8,629	8,549	8,503	8,234	0.7	-0.2	-0.3	-1.6
Foreign languages .....	2,426	2,104	1,703	1,745	1,911	-6.6	-4.8	1.2	4.8
Health professions .....	15,485	16,515	17,062	18,421	19,255	3.3	0.8	4.0	2.3
Home economics .....	2,510	2,570	2,359	2,069	2,174	1.2	-2.1	-6.1	2.5
Law .....	1,647	1,832	1,774	1,944	2,098	5.6	-0.8	4.8	4.0
Letters .....	8,883	8,301	6,920	7,234	7,882	-3.3	-4.2	2.3	4.5
Library science .....	6,396	4,859	3,846	3,814	3,940	-12.0	-5.2	-0.4	1.7
Life sciences .....	6,831	5,978	5,010	4,950	4,933	-6.2	-4.0	-0.8	-0.2
Mathematics .....	3,033	2,565	2,831	3,319	3,424	-7.7	2.6	8.6	1.6
Military sciences .....	0	0	50	119	0	—	—	69.0	—
Physical sciences .....	5,406	5,227	5,675	5,630	5,737	-1.7	2.1	-0.4	1.0
Psychology .....	8,730	7,998	8,379	8,124	8,579	-4.2	1.2	-1.5	2.8
Public affairs and services .....	20,546	20,074	17,130	18,523	19,434	-1.1	-3.7	4.1	2.5
Social sciences .....	12,687	11,917	10,223	10,395	10,854	-3.8	-3.6	0.8	2.2
Theology .....	3,398	3,728	3,894	4,841	4,625	4.9	1.1	12.2	-2.2
Interdisciplinary studies .....	4,553	4,485	3,489	4,164	4,633	-0.7	-5.6	9.7	5.6
<b>Doctor's degrees, total</b> .....	<b>32,664</b>	<b>32,839</b>	<b>32,307</b>	<b>34,033</b>	<b>35,892</b>	<b>0.3</b>	<b>-0.4</b>	<b>2.7</b>	<b>2.4</b>
Agriculture and natural resources .....	950	1,067	1,216	1,048	1,184	6.2	3.5	-6.9	6.5
Architecture and environmental design .....	96	93	89	92	86	-1.6	-1.1	1.7	-3.3
Area and ethnic studies .....	133	157	134	132	110	9.0	-3.7	-0.7	-8.3
Business and management .....	863	844	849	1,094	1,150	-1.1	0.1	14.4	2.6
Communications .....	192	182	219	280	248	-2.6	5.1	13.9	-5.7
Computer and information sciences .....	236	252	240	374	538	3.4	-1.2	27.9	21.9
Education .....	7,731	7,900	7,032	6,909	6,783	1.1	-2.7	-0.9	-0.9
Engineering .....	2,491	2,551	3,174	3,818	4,533	1.2	6.1	10.1	9.4
Fine and applied arts .....	700	654	672	791	755	-3.3	0.7	8.9	-2.3
Foreign languages .....	641	588	424	441	422	-4.1	-7.0	2.0	-2.2
Health professions .....	718	842	1,172	1,213	1,439	8.6	9.8	1.7	9.3
Home economics .....	219	247	276	297	263	6.4	2.9	3.8	-5.7
Law .....	46	60	89	120	76	15.2	12.1	17.4	-18.3
Letters .....	1,924	1,790	1,666	1,601	1,702	-3.5	-1.7	-2.0	3.2
Library science .....	70	71	83	57	61	0.7	4.2	-15.7	3.5
Life sciences .....	3,542	3,718	3,354	3,417	3,533	2.5	-2.4	0.9	1.7
Mathematics .....	730	728	686	723	882	-0.1	-1.4	2.7	11.0
Military sciences .....	0	0	0	0	0	—	—	—	—
Physical sciences .....	3,102	3,140	3,382	3,671	3,852	0.6	1.9	4.3	2.5
Psychology .....	2,662	2,955	2,864	3,056	3,263	5.5	-0.8	3.4	3.4
Public affairs and services .....	368	433	444	449	480	8.8	0.6	0.6	3.5
Social sciences .....	3,360	3,119	2,828	2,915	2,878	-3.6	-2.3	1.5	-0.6
Theology .....	1,181	1,169	1,090	1,230	1,165	-0.5	-1.7	6.4	-2.6
Interdisciplinary studies .....	709	279	324	305	289	-30.3	4.0	-2.9	-2.6

SOURCE: U.S. Department of Education, Office for Civil Rights, "Data on Earned Degrees Conferred by Institutions of Higher Education by Race, Ethnicity, and Sex," various years; and National Center for Education Statistics, Higher Education General Information Survey, various years, and Integrated Postsecondary Education Data System, various years.

United States  
Department of Education  
Washington, D.C. 20208-5652

Official Business  
Penalty for Private Use, \$300

Postage and Fees Paid  
U.S. Department of Education  
Permit No. G-17

**FOURTH CLASS BOOK RATE**





91 SEP 4 P4:38

**U.S. Department of Education**

**Office of Educational  
Research and Improvement**

Date: 9/4/91

To: Peggy Dooley

From: Barbara Marenus

Number of pages transmitted (includes cover sheet): 19

If you did not receive the complete transmission, please call 219-1835.

UNITED STATES  
DEPARTMENT OF EDUCATION

## NEWS

FOR RELEASE  
August 28, 1991

Contact: Melinda Kitchell  
(202) 401-1008

## 1991 BACK-TO-SCHOOL FORECAST

Four months after President Bush announced his AMERICA 2000 education strategy, the U.S. Education Department today released its 1991 back-to-school forecast reporting increased enrollment in preschool programs, more non-traditional students attending college, and record spending on education at all levels.

"Fortunately, we're returning to school this year with a national strategy for improving education and for helping the nation reach its education goals. We have begun the countdown to a new era of achievement under the President's AMERICA 2000 education strategy," Alexander said.

According to the department:

- o More parents are sending their children to preschool; between 1980-81 and 1990-91, school enrollment for 3- and 4-year-olds grew 44 percent; from 2.3 million to 3.3 million;
- o Even though the proportion of 18- to 24-year-olds in the population has decreased in recent years, college enrollments are up as more older and part-time students seek higher education; students over age 24 rose from 4.5 million in 1980 to 6.0 million in 1990, while part-time enrollment rose from 5.0 million to 6.0 million;
- o Total education spending in the U.S. is expected to reach \$414 billion this year, up 5.5 percent over 1990;
- o An estimated 68.4 million Americans, or one in four, will be directly involved in education this year as a student, teacher, administrator, or as support staff.

-MORE-

- 2 -

**ENROLLMENT CLIMBING**

Elementary and secondary school enrollment in 1991 will total 46.8 million, and is expected to grow through the end of the decade because the number of U.S. births has edged upward continuously since 1977. In 1990, nearly 4.2 million children were born, the most births in a single year since 1961.

The 1991 enrollment in public and private elementary and secondary schools (see table 2 and chart 1) will continue an upward trend that began in 1985. Elementary school enrollment (grades K-8) should climb 500,000 to 34.3 million. Secondary school (grades 9-12) matriculation is predicted to increase only slightly this year, from 12.4 million last year to 12.5 million this year.

Increases in the number of children now attending pre-school programs indicate that more parents want to provide early educational experiences for their children. The first national education goal, adopted by President Bush and the nation's governors, is that every child begin school ready to learn.

Thirteen states now offer some form of state-legislated parental choice, and legislation will be pending this fall in 36 states now considering choice programs.

As part of the AMERICA 2000 strategy, President Bush has urged states to make schools more accountable by allowing parents and their children a voice in selecting the school the child will attend. The Administration has proposed \$200 million in incentives for school districts offering choice programs. An

-MORE-

- 3 -

additional \$30 million has been requested to plan, operate, and evaluate promising approaches to choice.

#### **BIGGEST GAINS IN THE WEST**

Regionally, the largest enrollment increases are found in the West, with only slight increases in the Northeast and Midwest. At the state level, enrollment in Nevada, Florida, Arizona, California, Washington, and New Hampshire (in descending order) have climbed the most between 1985 and 1991. (Table 3 provides enrollment trend data and projections for each state.)

#### **NUMBER OF HIGH SCHOOL GRADUATES DECLINES SLIGHTLY**

About 2.4 million students are expected to graduate from public and private high schools this school year, down slightly from 2.5 million in 1991 (see table 7). The 17- and 18-year-old population has been declining since 1977, when 3.2 million students graduated. More than three-quarters of U.S. students earn a regular high school diploma by age 19.

The high school completion rate (including those who complete an equivalency degree) for 19- and 20-year-old whites was 87 percent in 1990, up one percentage point since 1973. During the same time period, the gap between white and black students narrowed, as blacks reached a completion rate of almost 78 percent in 1990, an increase of about ten percentage points. Hispanic students trail at 60 percent.

Overall, nearly 83 percent of 19- and 20-year-olds report that they have completed high school or its equivalent. The

-MORE-

- 4 -

national education goals aim to increase the high school graduation rate to 90 percent by the year 2000.

#### **COLLEGE ENROLLMENT DIVERSIFIES**

Because of increasing numbers of older students (see page 1), the number of students enrolled in college this fall is expected to edge up slightly, with more than 14 million expected to attend colleges and universities.

Only moderate increases in college enrollment are anticipated by the mid-1990s, since the traditional college-age population will continue to decline for several more years.

In AMERICA 2000, President Bush has urged all Americans to consider learning as a lifelong process and has encouraged all Americans to return to school. AMERICA 2000 calls for a National Conference on Education for Adult Americans, aimed at improving both the quality and accessibility of education and training programs that serve adults.

#### **EARNED DEGREES AT ALL-TIME HIGH**

The number of degrees earned at colleges and universities during 1991-92 will reach all-time highs in all categories except first professional degrees. Estimates are: associate degrees, 477,000; bachelor's degrees, 1,081,000; master's degrees, 338,000; doctorates, 39,000. First-professional degrees (medicine, theology, and law) will match the 1975 high of 75,000.

#### **TOTAL EXPENDITURES UP**

Spending for public elementary, secondary and higher education is estimated at \$336 billion, with another \$78 billion

- 5 -

spent by private schools and colleges. The \$414 billion total is a 5.5 percent increase over 1990.

**K-12 SPENDING SEES LARGEST INCREASE  
PER PUPIL SPENDING UP 34 PERCENT IN TEN YEARS**

Elementary and secondary schools are expected to spend about \$249 billion in 1991-92, up five percent from \$237 billion in 1990-91 (see table 6 and chart 3). After adjusting for inflation, this translates into a 39 percent rise in elementary and secondary school spending since 1981-82.

Per pupil spending in public elementary and secondary schools (including current expenditures, capital outlays, and interest payments on school debt) is expected to increase to a high of \$5,961 in 1991-92, up \$213 from \$5,748 in 1990-91 (table 5). Per pupil spending has grown 34 percent, adjusted for inflation, over the past ten years.

In the last school year, the average public school teacher's salary rose by more than five percent (see table 5), with a similar increase expected this year. If estimates hold, average salaries will be about \$34,814 in 1991-92, versus last year's average of \$33,015. Teachers' purchasing power this year is expected to be greater than ever before.

The AMERICA 2000 strategy asks states and districts to adopt policies that boost pay for the best teachers, those who teach core subjects, and those who teach in dangerous locations or serve as mentor teachers.

-MORE-

- 6 -

**HIGHER EDUCATION SPENDING KEEPS PACE**

Colleges and universities will spend about \$165 billion in 1991-92 (see table 6 and chart 3), up six percent in the past year. Spending is up 44 percent since 1981-82, adjusted for inflation. The forecast for the average school expenditure per full-time (equivalent) college student for 1991-92 is \$16,054, up 26 percent in ten years, adjusted for inflation. The figure covers all campus outlays, including salaries, construction and maintenance costs, and operation of research facilities. On average, tuition covers approximately 25 percent of the total per-pupil expenditure, according to the department's most recent (1989) estimate.

**SCHOOLS EMPLOY MORE WORKERS**

This year, about 7.4 million Americans work at all school levels as teachers and support staff, paralleling last year. Some 2.8 million individuals will be elementary and secondary school teachers (chart 2), and 762,000 will serve as instructional faculty in colleges and universities (table 4). Approximately 3.8 million will work in administrative, professional, and support positions. The number of public school teachers and other staff has increased 15 percent over the past ten years.

To improve teaching, AMERICA 2000 calls for federal incentives (\$25 million) to states to support creation of mechanisms for alternative certification of teachers and administrators, and for establishment of academies to train

- 7 -

teachers in five core subjects (math, science, English, history and geography). The Department has requested \$70 million to pay for the initial costs of these academies in fiscal year 1992. Another \$22.5 million is sought to assist governors in establishing academies for principals and other school leaders.

**ACHIEVEMENT DATA TO BE ANNOUNCED THIS FALL  
MATH ACHIEVEMENT LAGS**

This fall, the Education Department will release trend data on math, science, reading, and writing achievement under the National Assessment of Educational Progress (NAEP). The National Education Goals Panel will also report on progress toward the national education goals, and the National Assessment Governing Board, which oversees NAEP, will release performance standards for what students should know in math in grades four, eight and 12, as well as the percentage of students performing at each level.

Last June, the Education Department reported the math skills of eighth graders in 40 participating states and territories and of fourth, eighth and 12th graders nationally. Across the board, scores and surveys revealed poor skills and study habits, little math study and homework and low expectations for achievement among the nation's youth. Fewer than half of the 12th graders could do work (fractions, decimals, percentages and simple algebra) typically introduced in the seventh grade. Only five percent of seniors had the skills needed for technology-related careers or college-level work.

-MORE-

- 8 -

AMERICA 2000 proposes to develop world-class standards in each of the five core subjects, to help teachers teach and students learn what young Americans need to know and be able to do if they are to live and work successfully in today's world. To promote better teaching and learning and to track student progress, the strategy also calls for a voluntary nationwide examination system, utilizing future American Achievement Tests.

###

**NOTE TO EDITORS:** Attached are tables prepared by the National Center for Education Statistics.

More detailed education statistics may be obtained from the Digest of Education Statistics, Projections of Education Statistics, and The Condition of Education, which are prepared by the National Center for Education Statistics, U.S. Department of Education. These publications may be ordered from the U.S. Government Printing Office (GPO) using the stock number and prices below.

The Condition of Education provides statistical indicators, charts, and text which describe important trends in American education. Part 1 of The Condition of Education 1991 deals with elementary and secondary education and is available from the GPO (SN 065-000-00454-2; \$12 a copy). Part 2 of The Condition of Education 1991 reports on postsecondary education and is also available from GPO (SN 065-000-00455-1; \$12 a copy).

Also available from the GPO are the Digest of Education Statistics 1990, a detailed compendium of education data, (SN 065-000-00442-9; \$24.00); and Projections of Education Statistics to 2001, a compilation of projections of key education statistics, (SN 065-000-00440-2; \$9.50).

**Table 1.--Estimated number of participants in elementary and secondary education and in higher education: Fall 1991**  
[In millions]

Participants	All levels (elementary, secondary, and higher education)	Elementary and secondary schools			Institutions of higher education
		Total	Public	Private	
Total .....	68.4	52.0	46.2	5.8	16.4
Enrollment <sup>1/</sup> .....	60.9	46.8	41.6	5.3	14.1
Teachers and faculty ....	3.6	2.8	2.5	0.4	<sup>2/</sup> 0.8
Other professional, administrative, and support staff .....	3.8	2.3	2.2	0.2	1.5

<sup>1/</sup>Includes enrollments in local public school systems and in most private schools (religiously affiliated and nonsectarian). Excludes subcollegiate departments of institutions of higher education, residential schools for exceptional children, and Federal schools. Elementary and secondary includes most kindergarten and some nursery school enrollment. Excludes preprimary enrollment in schools that do not offer first grade or above. Higher education comprises full-time and part-time students enrolled in degree-credit and nondegree-credit programs in universities, other 4-year colleges, and 2-year colleges.

<sup>2/</sup>Includes full-time and part-time faculty with the rank of instructor or above.

**NOTE.--**The enrollment figures include all students in elementary and secondary schools and colleges and universities. However, the data for teachers and other staff in public and private elementary and secondary schools are reported in terms of full-time equivalents. The staff data for institutions of higher education include all full-time and part-time professional, administrative, and support personnel. Because of rounding, details may not add to totals.

**SOURCE:** U.S. Department of Education, National Center for Education Statistics, unpublished projections and estimates. (This table was prepared August 1991.)

**Table 2. -- Enrollment in educational institutions, by level of instruction  
and by type of control: Fall 1981 to fall 1991**  
[In thousands]

Level of instruction and type of control	Fall 1981	Fall 1985	Fall 1989	Fall 1990 <sup>1/</sup>	Fall 1991 <sup>1/</sup>
<b>All levels</b> .....	57,894	57,226	59,339	60,172	60,946
Public .....	49,669	48,901	51,041	51,938	52,557
Private .....	8,225	8,325	8,298	8,234	8,390
<b>Elementary and secondary schools<sup>2/</sup></b> .....	45,522	44,979	45,881	46,221	46,841
Public .....	40,022	39,422	40,526	41,026	41,575
Private .....	5,500	5,557 <sup>1/</sup>	5,355	5,195	5,267
<b>Kindergarten through grade 8 <sup>3/</sup></b> .....	31,370	31,225	33,320	33,808	34,313
Public .....	27,270	27,030	29,158	29,742	30,186
Private .....	4,100	4,195 <sup>1/</sup>	4,162	4,066	4,127
<b>Grades 9 through 12</b> .....	14,152	13,754	12,562	12,413	12,529
Public .....	12,752	12,392	11,369	11,284	11,389
Private .....	1,400	1,362 <sup>1/</sup>	1,193	1,129	1,140
<b>Higher education<sup>4/</sup></b> .....	12,372	12,247	13,458	13,951	14,105
Public .....	9,647	9,479	10,515	10,912	10,982
Private .....	2,725	2,768	2,943	3,039	3,123

<sup>1/</sup>Estimated.

<sup>2/</sup>Includes enrollments in local public school systems and in most private schools (religiously affiliated and nonsectarian). Excludes subcollegiate departments of institutions of higher education, residential schools for exceptional children, and Federal schools.

<sup>3/</sup>Includes most kindergarten and some nursery school enrollment. Excludes preprimary enrollment in schools that do not offer first grade. This undercount of preprimary enrollment is particularly significant for private schools. According to data collected by the U.S. Bureau of the Census, public and private nursery school and kindergarten enrollment of 3- to 5-year-olds grew from 4.9 million in October 1981 to 6.7 million in October 1990.

<sup>4/</sup>Includes full-time and part-time students enrolled in degree-credit and nondegree-credit programs in universities, other 4-year colleges, and 2-year colleges. Excludes students in noncollegiate postsecondary institutions.

NOTE. -- Data for fall 1989 are preliminary. Because of rounding, details may not add to totals.

SOURCE: U.S. Department of Education, National Center for Education Statistics, *Digest of Education Statistics, 1991* (forthcoming); *Projections of Education Statistics to 2002* (forthcoming). (This table was prepared August 1991.)

Table 3.-- Enrollment in public elementary and secondary schools,  
by region and state: Fall 1981 to Fall 1991  
(In thousands)

Region and state	Fall	Fall	Fall	Fall	Fall
	1981	1985	1989	1990/1	1991/2/
United States.....	40,022	39,422	40,596	41,026	41,575
Northeast.....	7,049	7,316	7,500	7,592	7,739
Connecticut.....	305	482	443	449	477
Maine.....	316	306	314	316	318
Massachusetts.....	947	844	826	829	846
New Hampshire.....	164	161	172	171	181
New Jersey.....	1,200	1,116	1,078	1,083	1,101
New York.....	2,761	2,621	2,566	2,563	2,579
Pennsylvania.....	1,839	1,833	1,833	1,848	1,880
Rhode Island.....	143	133	135	136	139
Vermont.....	93	90	95	96	97
Midwest.....	10,372	9,861	9,831	9,901	9,873
Illinois.....	1,074	1,205	1,197	1,203	1,211
Indiana.....	1,073	966	954	956	962
Iowa.....	916	885	878	884	877
Kansas.....	410	410	431	436	442
Michigan.....	1,772	1,628	1,577	1,577	1,589
Minnesota.....	764	703	740	753	767
Missouri.....	818	793	808	810	826
Nebraska.....	273	246	271	274	276
North Dakota.....	118	119	118	117	117
Ohio.....	2,899	1,794	1,767	1,770	1,775
South Dakota.....	126	124	127	129	131
Wisconsin.....	804	768	783	791	802
South.....	13,990	14,117	14,587	14,761	14,889
Alabama.....	743	790	723	728	726
Arkansas.....	407	433	433	433	433
Delaware.....	95	93	98	100	102
District of Columbia.....	95	97	81	81	81
Florida.....	1,449	1,582	1,772	1,862	1,894
Georgia.....	1,036	1,080	1,137	1,133	1,179
Kentucky.....	639	644	631	630	623
Louisiana.....	782	788	783	779	767
Maryland.....	732	672	699	715	709
Massachusetts.....	472	471	522	500	496
North Carolina.....	1,109	1,006	1,081	1,083	1,099
Ohio.....	303	392	379	379	374
South Carolina.....	609	607	616	632	626
Tennessee.....	833	814	830	822	827
Texas.....	2,336	3,132	3,329	3,333	3,379
Virginia.....	990	944	915	908	1,025
West Virginia.....	378	333	328	323	313
West.....	7,791	8,126	8,287	9,134	9,374
Alaska.....	91	107	108	112	131
Arizona.....	397	548	608	590	640
California.....	4,046	4,238	4,772	4,943	5,101
Colorado.....	544	551	563	569	576
Connecticut.....	183	164	169	171	178
Idaho.....	306	309	315	321	313
Illinois.....	133	134	131	132	131
Indiana.....	131	135	137	137	136
Iowa.....	348	378	396	390	395
Kansas.....	437	448	472	445	462
Kentucky.....	346	403	437	445	445
Louisiana.....	730	730	610	632	632
Maryland.....	100	103	97	98	94

1/Underlined by reporting State.  
2/Revised by the National Center for Education Statistics.

NOTES:-- Includes special kindergarten and some primary school enrollment. Because of rounding, details may not add to totals.

SOURCE: VA Department of Education, National Center for Education Statistics, Common Core of Data surveys.

**SOURCE: U.S. DEPARTMENT OF EDUCATION, NATIONAL CENTER OF EDUCATION STATISTICS, "Early Release: Key Statistics for Public Elementary and Secondary Education: School Year 1990-91," and "Revisions of Education Statistics to 2012 (Archiving)." (This table was prepared August 1991.)**

**Table 4. -- Number of teachers in educational institutions, by level of instruction and by type of control: Fall 1981 to fall 1991**  
**[In thousands]**

Level of instruction and type of control	Fall 1981	Fall 1985	Fall 1989	Fall 1990 <sup>1/</sup>	Fall 1991 <sup>1/</sup>
<b>All levels</b> .....	3,143	3,265	3,488	3,506	3,587
<b>Public</b> .....	2,634	2,710	2,890	2,930	3,004
<b>Private</b> .....	509	555	598	576	583
<b>Elementary and secondary teachers<sup>2/</sup></b> .....	2,438	2,550	2,734	2,744	2,826
<b>Public</b> .....	2,125	2,207	2,356	2,391	2,465
<b>Private</b> .....	313	343 <sup>1/</sup>	377	353	360
<b>Elementary teachers</b> .....	1,380	1,483	1,664	1,632	1,682
<b>Public</b> .....	1,159	1,237	1,389	1,379	1,429
<b>Private</b> .....	221	246 <sup>1/</sup>	275	253	253
<b>Secondary teachers</b> .....	1,057	1,067	1,070	1,112	1,143
<b>Public</b> .....	965	970	968	1,012	1,036
<b>Private</b> .....	92	97 <sup>1/</sup>	102	100	107
<b>Higher education instructional faculty<sup>3/</sup></b> .....	705	715 <sup>1/</sup>	755	762	762
<b>Public</b> .....	509	503 <sup>1/</sup>	534	539	539
<b>Private</b> .....	196	212 <sup>1/</sup>	221	223	223

<sup>1/</sup>Estimated.

<sup>2/</sup>Includes teachers in local public school systems and in most private schools (religiously affiliated and nonsectarian). Excludes subcollegiate departments of institutions of higher education, residential schools for exceptional children, and Federal schools. Also excludes preprimary teachers in schools without a first grade. Teachers are reported in full-time equivalents.

<sup>3/</sup>Includes full-time and part-time faculty with the rank of instructor or above in universities, other 4-year colleges, and 2-year colleges.

NOTE. -- Data for fall 1989 are preliminary. Because of rounding, details may not add to totals.

SOURCE: U.S. Department of Education, National Center for Education Statistics, *Digest of Education Statistics, 1991* (forthcoming); and *Projections of Education Statistics to 2002* (forthcoming). (This table was prepared August 1991.)

**DIOUF TOAST \ STATE DINING ROOM  
TUESDAY, SEPTEMBER 10, 1991 \ 7:30 P.M.**

**PRESIDENT AND MRS. DIOUF, AND MEMBERS OF THE  
SENEGAL DELEGATION. NINE YEARS AGO, BARBARA AND I HAD  
THE PRIVILEGE OF VISITING YOUR HOME. TODAY, WE ARE  
HONORED TO RETURN THAT FAVOR. WE WELCOME TO AMERICA'S  
HOME A FIRST CITIZEN OF HIS CONTINENT. //**

**- 2 -**

**((LET ME SAY THAT IT'S NO SURPRISE TO SEE PRESIDENT  
DIOUF IN EXCELLENT HEALTH. PEOPLE THINK I'M PHYSICALLY  
ACTIVE, BUT PRESIDENT DIOUF MAKES ME LOOK LIKE A COUCH  
POTATO. / I JUST WISH I HAD THE SAME ADVANTAGE PLAYING  
GOLF THAT HE HAS PLAYING BASKETBALL.)) //**

((HE'S NOT THE ONLY TALENTED MEMBER OF THE FAMILY. / MRS. DIOUF IS A CHAMPION GOLFER. / I ASKED HER IF SHE HAD ANY GOLF TIPS FOR ME. SHE SAID, "MAYBE YOU SHOULD STOP CRITICIZING YOUR WIFE'S GAME." / I THINK, TOO, OF HIS CHILDREN -- WHO BRING TO MIND FOREIGN AID. WITH THREE KIDS HAVING GONE TO TO COLLEGE IN THE UNITED STATES, PRESIDENT DIOUF KNOWS SOMETHING ABOUT GIVING IT.))

THIS WEEK PROVIDES AN OPPORTUNITY FOR OUR COUNTRIES TO RENEW THE SHARED INTERESTS WHICH LINK OUR TWO NATIONS AND PEOPLES -- AND THE VALUES WHICH WE HOLD SO DEAR. / WE BOTH REVERE LIBERTY, HUMAN DIGNITY, AND RESPECT FOR THE RIGHTS OF MAN. // WE EACH BELIEVE: FOR INDIVIDUALS, CHOICE. FOR SOCIETY, PLURALISM. FOR NATIONS, SELF-DETERMINATION. //

TOGETHER, BY LIFTING MINDS AND HORIZONS, WE ARE HELPING TO SHAPE A NEW WORLD ORDER.

SENEGAL WAS THE FIRST SUB-SAHARAN AFRICAN NATION TO SAY TO SADDAM HUSSEIN: YOUR AGGRESSION WILL NOT STAND. // AMERICA APPLAUDS YOUR COURAGE IN OPPOSING THIS THREAT TO WORLD SECURITY. YOU BUOYED THE COALITION. YOU SHOWED THAT STRENGTH OF CHARACTER WILL ALWAYS OUTLAST STRENGTH OF ARMS. //

MR. PRESIDENT, YOU KNOW -- AS RECENT EVENTS HAVE VERIFIED -- THAT TOTALITARISM IS CRUMBLING BECAUSE DEMOCRACY WOULD NOT -- WILL NOT -- BE DENIED. //

LET US NOW HELP SENEGAL'S DEMOCRATIC SYSTEM SERVE AS A MODEL FOR THOSE COUNTRIES SEEKING TO EMBRACE THE PRINCIPLES OF SELF-GOVERNMENT, SELF-DETERMINATION, AND FREEDOM OF EXPRESSION. //

WE SEEK A WORLD IN WHICH THE LAMP OF LIBERTY BRIGHTENS EVERY CORNER OF THE EARTH. // IN THAT SPIRIT, I WOULD LIKE TO CLOSE WITH WORDS FROM LEOPOLD SENGHOR, A POET-POLITICIAN WHO WAS THE FIRST PRESIDENT AND FOUNDER OF INDEPENDENT SENEGAL.

FORTY-SIX YEARS AGO, NEAR THE END OF WORLD WAR II, PRESIDENT SENGHOR WROTE A PRAYER FOR PEACE. HE SPOKE OF THE PEOPLES OF EUROPE, ASIA, AFRICA, AND AMERICA -- AND CONCLUDED, "GRANT THAT THEIR WARM HANDS EMBRACE THE EARTH IN A BAND OF BROTHERLY HANDS, UNDER THE RAINBOW OF YOUR PEACE." //

MR. PRESIDENT, LADIES AND GENTLEMEN, I HOPE YOU WILL JOIN ME IN A TOAST:

-- TO THE HEALTH OF MY GOOD FRIEND, PRESIDENT DIOUF;

-- TO THE HAPPINESS AND PROSPERITY OF THE SENEGALESE PEOPLE;

-- AND TO THE "BROTHERLY HANDS" WHICH CAN BUILD A PEACE FOR OUR CHILDREN -- AND ALL THE CHILDREN OF THE WORLD.

# # # #