

Section 3

EDUCATION

This section presents statistics on enrollment in public and private schools, colleges and universities; students graduated and degrees awarded; the highest grade of school completed; achievement test results; school facilities, personnel, and expenditures; and libraries.

Enrollment in elementary, intermediate and high schools in 1985-1986 totaled 200,952, slightly more than in the preceding year but well below the all-time high of 215,524 reached in 1971-1972. There were 232 public schools with 8,221 classroom teachers and 164,169 students (81.7 percent of the total). There were also 141 private schools with 2,456 teachers and 36,783 pupils. Students graduating from public and private high schools in 1984-1985 numbered 12,516. Some 51,989 students attended colleges and universities in the State in 1985-1986, including 19,666 on the Manoa Campus of the University of Hawaii, 443 at West Oahu College, 3,200 at UH-Hilo, 20,060 at six community colleges, and 8,620 in four private colleges and universities. Ninety-two percent of the children 5 and 6 years old were in school in 1980 (compared with 87 percent in 1970), and 47 percent in the 18- and 19-year-old group were enrolled (compared with 53 percent a decade earlier). The expenditure per pupil in public schools rose from \$1,503 in 1975-1976 to \$3,795 in 1985-1986. Among adults, an estimated 15 percent were illiterate in English as of 1980. More than one-fifth of all residents 25 years of age or more have completed four or more years of college. The Hawaii State Library System, with 49 locations in all four counties, had 2.0 million books, and 2.6 million microforms, film reels, phonorecords, and other collections in 1985, with an annual circulation of 6.0 million. The University of Hawaii libraries in the same year counted 2.4 million volumes.

The principal sources of data on education are the U.S. Bureau of the Census, Hawaii State Department of Education, University of Hawaii, and private colleges and universities. Historical Statistics of Hawaii, Section 9, contains Island data back to 1820. Section 5 of the Statistical Abstract of the United States: 1986 presents comparable information for the nation as a whole.

Table 103.-- SCHOOLS, TEACHERS, ENROLLMENT, AND HIGH SCHOOL GRADUATES,
FOR PUBLIC AND PRIVATE SCHOOL SYSTEMS: 1975-1976 TO 1985-1986

School year	Schools <u>1/</u>			Teachers <u>1/</u>		
	Total	Public	Private	Total	Public <u>2/</u>	Private <u>3/</u>
1975-76 ...	344	225	119	9,841	7,860	1,981
1976-77 ...	353	227	126	10,115	8,008	2,107
1977-78 ...	356	228	128	9,972	7,891	2,081
1978-79 ...	365	229	136	9,815	7,930	1,885
1979-80 ...	369	229	140	10,125	8,066	2,059
1980-81 ...	371	230	141	10,324	8,113	2,211
1981-82 ...	376	230	146	10,447	8,139	2,308
1982-83 ...	373	233	140	10,302	8,083	2,219
1983-84 ...	374	233	141	10,344	7,997	2,347
1984-85 ...	372	231	141	10,453	8,060	2,393
1985-86 ...	373	232	141	10,677	8,221	2,456
School year	Enrollment or membership <u>1/</u>			High school graduates		
	Total	Public <u>4/</u>	Private <u>5/</u>	Total	Public	Private
1975-76 ...	212,171	176,232	35,939	13,275	11,080	2,195
1976-77 ...	210,736	174,838	35,898	13,823	11,637	2,186
1977-78 ...	208,830	172,649	36,181	13,867	11,464	2,403
1978-79 ...	206,812	170,515	36,297	14,097	11,637	2,460
1979-80 ...	205,580	168,393	37,187	14,013	11,493	2,520
1980-81 ...	202,972	165,094	37,878	14,647	12,088	2,559
1981-82 ...	200,844	162,805	38,039	13,948	11,563	2,385
1982-83 ...	200,129	162,024	38,105	13,248	10,757	2,491
1983-84 ...	200,240	162,241	37,999	12,992	10,454	2,538
1984-85 ...	200,869	163,860	37,009	12,516	10,092	2,424
1985-86 ...	200,952	164,169	36,783	(NA)	(NA)	(NA)

NA Not available.

1/ September data for all years.

2/ Special schools excluded through 1978-1979 but included beginning 1979-1980.

3/ Includes special schools for all years.

4/ Includes special schools; excludes pre-kindergarten prior to 1980-1981.

5/ Includes special schools and pre-kindergarten for all years.

Source: Hawaii State Department of Education, data supplied December 18, 1985.

Table 104.-- SCHOOLS, TEACHERS, AND ENROLLMENT, SEPTEMBER 12, 1985, AND HIGH SCHOOL GRADUATES, 1984-1985, FOR PUBLIC AND PRIVATE SCHOOL SYSTEMS, BY ISLANDS

[Data include special schools other than University Laboratory Schools]

Island	Number of schools, September 12, 1985			Number of teachers, September 12, 1985		
	Total	Public	Private	Total	Public	Private
State total	373	232	141	10,677	8,221	2,456
Hawaii	45	30	15	1,213	1,053	160
Maui	31	20	11	767	646	121
Lanai	1	1	-	29	29	-
Molokai	7	5	2	88	84	4
Oahu	268	162	106	8,104	5,988	2,116
Kauai	20	13	7	473	418	55
Niihau	1	1	-	3	3	-
Island	Enrollment, September 12, 1985			High school graduates, 1984-1985 school year		
	Total	Public	Private	Total	Public	Private
State total	200,952	164,169	36,783	12,516	10,092	2,424
Hawaii	23,248	21,064	2,184	1,362	1,255	107
Maui	14,803	12,908	1,895	891	755	136
Lanai	439	439	-	40	40	-
Molokai	1,600	1,574	26	89	88	1
Oahu	151,700	119,898	31,802	9,558	7,380	2,178
Kauai	9,131	8,255	876	575	573	2
Niihau	31	31	-	1	1	-

Source: Hawaii State Department of Education, data supplied December 18, 1985.

Table 105.-- PUBLIC AND PRIVATE SCHOOL ENROLLMENT,
BY GRADES: SEPTEMBER 12, 1985

[Excludes the University Laboratory Schools]

Grade	Total	Public	Private
All grades	200,952	164,169	36,783
Nursery	2,774	270	2,504
Kindergarten	16,362	13,425	2,937
1	16,020	13,310	2,710
2	15,135	12,570	2,565
3	14,826	12,404	2,422
4	14,203	11,864	2,339
5	13,372	11,157	2,215
6	13,328	11,124	2,204
7	13,488	10,642	2,846
8	13,530	10,721	2,809
9	15,496	12,721	2,775
10	15,635	12,693	2,942
11	14,305	11,619	2,686
12	12,420	9,886	2,534
Specials <u>1/</u>	10,058	9,763	295

1/ Public school figure includes ungraded students in special schools.

Source: Hawaii State Department of Education, data supplied December 18, 1985.

Table 106.-- ENROLLMENT (PUBLIC AND PRIVATE SCHOOLS COMBINED),
BY GRADES, BY COUNTIES: SEPTEMBER 12, 1985

[Excludes the University Laboratory Schools]

Grade	State total	Hawaii	Maui	Honolulu	Kauai
All grades	200,952	23,248	16,842	151,700	9,162
Nursery	2,774	238	124	2,347	65
Kindergarten	16,362	1,936	1,324	12,303	799
1	16,020	1,929	1,408	11,890	793
2	15,135	1,902	1,285	11,205	743
3	14,826	1,863	1,299	10,991	673
4	14,203	1,759	1,215	10,542	687
5	13,372	1,575	1,177	9,972	648
6	13,328	1,569	1,183	9,962	614
7	13,488	1,518	1,129	10,232	609
8	13,530	1,556	1,185	10,151	638
9	15,496	1,658	1,260	11,919	659
10	15,635	1,659	1,308	12,025	643
11	14,305	1,547	1,138	10,989	631
12	12,420	1,367	1,060	9,477	516
Specials ^{1/}	10,058	1,172	747	7,695	444

^{1/} Includes ungraded students in special schools.

Source: Hawaii State Department of Education, data supplied
December 18, 1985.

Table 107.-- PRIVATE SCHOOLS, TEACHERS, AND ENROLLMENT, SEPTEMBER 12, 1985, AND PRIVATE HIGH SCHOOL GRADUATES, 1984-1985, BY CHURCH AFFILIATION

Church affiliation	Schools	Teachers	Enrollment	High school graduates
Total	141	2,456	36,783	2,424
Church-affiliated	95	1,509	24,548	1,342
Roman Catholic	38	753	13,294	829
Other church-affiliated	57	756	11,254	513
Non-church-affiliated ...	46	947	12,235	1,082

Source: Hawaii State Department of Education, information provided January 8, 1987.

Table 108.-- FEDERALLY-CONNECTED PUPILS IN PUBLIC SCHOOLS:
FALL, 1980 TO 1985

Year	All federally-connected pupils		Military dependents	Others <u>1/</u>
	Number	Percent of total enrollment		
1980	37,934	23.1	18,980	18,954
1981	36,193	22.3	18,793	17,400
1982	37,104	23.0	19,502	17,602
1983	38,305	23.6	19,965	18,340
1984	38,927	23.8	20,304	18,623
1985	38,046	23.2	20,037	18,009

1/ Includes dependents of civilian employees of armed forces.

Source: Hawaii State Department of Education, data supplied December 16, 1986.

Table 109.-- EXPENDITURES, COST PER PUPIL, AVERAGE SALARIES, AND DAYS OF SCHOOL, FOR PUBLIC ELEMENTARY AND SECONDARY EDUCATION: 1975-1976 TO 1985-1986

Fiscal year	Expenditures (dollars)		Cost per pupil ^{1/} (dollars)	Average annual salary of teachers (dollars)	Number of days of school
	Current operations	Capital outlay			
1975-1976 ..	268,155,310	31,983,000	1,503.39	15,111	178
1976-1977 ..	298,770,753	38,105,500	1,718.34	16,689	175
1977-1978 ..	322,185,202	23,196,000	1,883.79	17,579	175
1978-1979 ..	333,768,126	20,809,000	1,981.35	18,360	173
1979-1980 ..	360,316,441	30,489,000	2,163.62	19,858	<u>2/</u> 163
1980-1981 ..	402,344,699	30,860,000	2,457.32	21,085	176
1981-1982 ..	432,228,402	17,237,000	2,700.72	22,473	177
1982-1983 ..	497,763,951	23,304,890	3,098.23	21,504	<u>3/</u> 174
1983-1984 ..	509,710,506	11,941,000	3,255.97	25,380	176
1984-1985 ..	526,741,742	13,652,707	3,351.18	25,648	174
1985-1986 ..	585,533,781	27,812,430	3,795.31	26,595	176

1/ Based on average daily membership.

2/ Scheduled school days numbered 177; 14 days were missed because of "blue collar strike."

3/ One day missed due to Hurricane Iwa.

Source: Hawaii State Department of Education, data supplied October 28, 1986.

Table 110.-- ENROLLMENT AT THE UNIVERSITY OF HAWAII, BY CAMPUS:
FALL 1976 TO 1986

[Fall enrollment in regular credit programs, including concurrent registrants and early admits]

Year	Total, all campuses	University of Hawaii at Manoa				Univ. of Hawaii at Hilo <u>2/</u>	West Oahu College <u>3/</u>
		Total	Under- graduates	Grad- uates	Other <u>1/</u>		
1976 ..	44,326	21,356	15,370	4,284	1,702	3,322	139
1977 ..	43,888	21,106	15,208	4,280	1,618	3,280	201
1978 ..	43,803	21,225	15,148	4,350	1,727	3,053	234
1979 ..	43,375	20,833	14,902	4,258	1,673	3,099	258
1980 ..	43,542	20,319	14,402	4,235	1,682	3,504	247
1981 ..	45,425	20,629	14,487	4,324	1,818	3,478	369
1982 ..	47,527	21,065	14,879	4,328	1,858	3,752	410
1983 ..	46,468	21,112	15,091	4,339	1,682	3,613	433
1984 ..	43,970	20,023	14,234	4,255	1,534	3,237	435
1985 ..	43,369	19,666	13,565	4,283	1,818	3,200	443
1986 ..	42,825	18,965	12,709	4,565	1,691	3,300	480
		Community Colleges <u>4/</u>					
Year	Total	Hono- lulu	Kapio- lani	Lee- ward	Wind- ward	Kauai	Maui
1976 ..	19,509	4,450	4,617	6,450	1,154	1,186	1,652
1977 ..	19,301	4,402	4,494	6,159	1,353	1,245	1,648
1978 ..	19,291	4,386	4,738	5,893	1,415	1,137	1,722
1979 ..	19,185	4,576	4,641	5,540	1,505	1,104	1,819
1980 ..	19,472	4,509	4,978	5,575	1,442	1,082	1,886
1981 ..	20,949	5,211	5,089	6,032	1,489	1,201	1,927
1982 ..	22,300	5,331	5,560	6,261	1,568	1,272	2,308
1983 ..	21,310	5,131	5,284	6,060	1,462	1,190	2,183
1984 ..	20,275	4,554	5,281	5,785	1,366	1,176	2,113
1985 ..	20,060	4,539	5,058	5,667	1,543	1,177	2,076
1986 ..	20,080	4,275	5,226	5,703	1,644	1,248	1,984

Footnotes and source follow next table.

Table 111.-- DEGREES, DIPLOMAS, AND CERTIFICATES AWARDED BY THE UNIVERSITY OF HAWAII: 1976 TO 1986

Year ended June 30	University of Hawaii at Manoa					
	Associate	Bachelor	Master	Doctor	First profes- sional <u>5/</u>	Other <u>6/</u>
1976	68	3,160	1,132	116	102	183
1977	58	3,192	1,019	135	113	164
1978	61	3,213	1,007	129	125	157
1979	69	2,899	1,063	122	122	134
1980	46	2,859	969	102	136	124
1981	57	2,701	968	115	152	106
1982	52	2,588	993	111	137	122
1983	52	2,639	938	120	132	120
1984	60	2,698	945	101	131	166
1985	90	2,642	914	138	137	189
1986	66	2,679	837	132	131	244
Year ended June 30	University of Hawaii at Hilo <u>2/</u>			West Oahu College: Bachelor <u>3/</u>	Community Colleges <u>4/</u>	
	Certifi- cates	Associate degrees	Bachelor degrees		Certifi- cates <u>7/</u>	Associate degrees
1976	83	230	162	-	414	1,559
1977	93	255	196	6	420	1,598
1978	69	280	206	12	456	1,864
1979	92	255	166	22	509	1,964
1980	86	256	160	48	481	1,807
1981	57	261	171	47	483	1,763
1982	74	263	160	46	519	1,882
1983	68	242	193	91	509	2,008
1984	80	239	188	136	473	2,026
1985	67	229	180	77	454	1,875
1986	56	196	183	98	478	1,933

1/ Includes unclassified, special and no data on student level.

2/ Hilo College, College of Agriculture, and Hawaii Community College.

3/ Opened Spring 1976.

4/ Excludes Hawaii Community College, which is part of the University of Hawaii at Hilo.

5/ Includes Doctor of Jurisprudence (J.D.) and Doctor of Medicine (M.D.).

6/ Certificates in Dental Hygiene and professional diplomas.

7/ Certificates of Achievement.

Source: University of Hawaii, Office of Institutional Research and Analysis, records.

Table 112 .-- UNIVERSITY OF HAWAII CURRICULA, TUITION, FINANCES,
AND FACULTY AND STAFF: 1985

Subject	Number
Curricula offered (Manoa Campus), Fall 1985	233
Bachelor's degree programs	88
Master's degree programs	80
Doctoral programs (DrPH, EdD, PhD)	42
Other programs <u>1/</u>	23
Tuition per semester (full-time undergraduate, regular session):	
Manoa Campus: Resident	\$ 425
Nonresident	1,530
Hilo (upper division): Resident	380
Nonresident	1,435
West Oahu College: Resident	315
Nonresident	1,100
Community colleges: Resident	115
Nonresident	850
Finances, fiscal year ending June 30, 1985.	
Current fund revenues (\$1,000)	315,265
Current fund expenditures (\$1,000)	306,436
Number of students receiving financial aid	13,569
Faculty and staff, October 1985	6,714
Board of Regents appointees	5,115
Full-time	3,249
Part-time	1,866
Civil Service personnel	1,599
Full-time	1,558
Part-time	41

1/ Includes 2-year, undergraduate, and graduate certificate programs (18), first professional degree programs (JD, MD), and other programs (3).

Source: Office of Institutional Research and Analysis, University of Hawaii, Facts About the University of Hawaii, December 1985.

Table 113.-- ENROLLMENT AND EARNED DEGREES AWARDED, FOR PRIVATE COLLEGES AND UNIVERSITIES: 1984 TO 1986

[Excludes extension programs of mainland and foreign schools and other limited or specialized curriculum programs]

Year and type of enrollment and earned degree	All private institutions	Brigham Young Univ.-Hawaii Campus	Chamianade Univ. of Honolulu	Hawaii Loa College	Hawaii Pacific College
1984					
Fall enrollment <u>1/</u>	8,215	1,912	2,471	430	3,402
Undergraduate	8,056	1,912	2,312	430	3,402
Graduate	159	-	159	-	-
Earned degrees conferred: <u>2/</u>					
Associate	236	36	72	-	128
Bachelor's	613	129	246	66	172
Master's	66	-	66	-	-
1985					
Fall enrollment <u>1/</u>	8,620	1,926	2,512	475	3,707
Undergraduate	8,396	1,926	2,288	475	3,707
Graduate	224	-	224	-	-
Earned degrees conferred: <u>2/</u>					
Associate	203	35	41	-	127
Bachelor's	604	128	251	45	180
Master's	53	-	53	-	-
1986					
Fall enrollment <u>1/</u>	9,082	2,005	2,606	400	4,071
Undergraduate	8,661	2,005	2,305	400	3,951
Graduate	421	-	301	-	120
Earned degrees conferred: <u>2/</u>					
Associate	227	26	53	1	147
Bachelor's	687	116	257	70	244
Master's	74	-	74	-	-

1/ In regular credit programs.

2/ Year ended June 30. Data for 1984 and 1985 have been revised.

Source: Compiled by Hawaii State Department of Planning and Economic Development from college officials.

Table 114.-- EDUCATIONAL CHARACTERISTICS: 1970 AND 1980

Subject	1970	1980	Percent	
			1970	1980
SCHOOL ENROLLMENT				
Persons 3 years old and over enrolled in school 1/	235,765	266,181	100.0	100.0
Nursery school	7,707	12,808	3.3	4.8
Private	5,524	9,608	2.3	3.6
Kindergarten	14,615	14,289	6.2	5.4
Private	1,635	2,932	0.7	1.1
Elementary (1 to 8 years)	127,678	118,991	54.2	44.7
Private	13,770	19,644	5.8	7.4
High school (1 to 4 years)	57,455	65,609	24.4	24.6
Private	7,360	10,824	3.1	4.1
College	28,310	54,484	12.0	20.5
YEARS OF SCHOOL COMPLETED				
Persons 25 years old and over	384,843	547,608	100.0	100.0
Elementary: 0 to 4 years	32,080	28,969	8.3	5.3
5 to 8 years	63,256	59,576	16.4	10.9
High school: 1 to 3 years	51,365	54,793	13.3	10.0
4 years	138,307	192,042	35.9	35.1
College: 1 to 3 years	46,088	100,813	12.0	18.4
4 or more years	53,747	111,415	14.0	20.3

1/ 1970 figures include persons 3 to 34 years old only.

Source: U.S. Bureau of the Census, 1980 Census of Population, General Social and Economic Characteristics, Hawaii, PC80-1-C13 (June 1983), table 61.

Table 115.-- SCHOOL ENROLLMENT BY AGE: 1970 AND 1980

Age	Number enrolled in school		Percent enrolled in school	
	1970	1980	1970	1980
Persons 3 years old and over enrolled in school .	238,925	266,181
3 and 4 years old	7,097	11,436	24.5	39.0
5 and 6 years old	27,683	26,070	87.4	92.0
7 to 13 years old	108,757	102,604	96.7	98.9
14 and 15 years old	30,409	31,741	95.8	98.6
16 and 17 years old	26,362	31,711	90.8	93.4
18 and 19 years old	14,486	16,869	53.1	46.9
20 and 21 years old	7,672	11,164	22.4	25.6
22 to 24 years old	6,357	10,907	13.6	17.5
25 to 34 years old	6,942	15,254	6.4	8.5
35 years old and over	3,160	8,425

Source: U.S. Bureau of the Census, 1970 Census of Population, General Social and Economic Characteristics, Hawaii, PC(1)-C13 (December 1971), table 51; 1980 Census of Population, General Social and Economic Characteristics, Hawaii, PC80-1-C-13 (June 1983), table 66.

Table 116.-- EDUCATIONAL CHARACTERISTICS, BY COUNTIES: 1980

Subject	State	Hawaii	Hono- lulu	Kala- wao	Kauai	Maui
Persons 18 to 24 years: percent enrolled	27.4	27.1	28.4	-	21.9	15.7
Persons 25 years old and over: percent --						
High school graduates	73.8	68.9	75.6	28.2	64.1	67.7
4 years or more of college ..	20.3	15.2	21.7	3.5	15.7	15.3

Source: U.S. Bureau of the Census, 1980 Census of Population, General Social and Economic Characteristics, Hawaii, PC80-1-C13 (June 1983), table 56.

Table 117.-- YEARS OF SCHOOL COMPLETED BY PERSONS
25 YEARS OLD AND OVER: 1980 TO 1985

[Averages for periods specified. Based on pooled samples of 1,885 households (5,805 persons of all ages) for 1980-1982 and 1,735 households (5,288 persons) for 1983-1985]

Years of school completed	1980-1982	1983-1985
Persons 25 years and over	555,432	592,962
None	8,282	7,030
Elementary	82,218	68,995
High school, 1 to 3 years	50,399	59,085
High school, 4 years	200,435	220,320
College, 1 to 3 years	96,696	109,846
College, 4 years	67,427	79,102
College, 5 or more years	49,975	48,584
Median (years)	12.7	12.7

Source: U.S. Bureau of the Census for the U.S. Bureau of Labor Statistics, Current Population Survey (March), annual, 1980 to 1985; machine-readable data file, special tabulation by Hawaii State Data Center.

Table 118.-- YEARS OF SCHOOL COMPLETED BY PERSONS 25 YEARS
OLD AND OVER, BY AGE: 1985

[Excludes persons in institutions, military barracks, Kalawao,
or Niihau. Based on a sample survey of 11,133 persons 25
years old and over]

Years of school completed	25 years old and over	25 to 44 years old	45 to 64 years old	65 years old and over
All levels .	586,285	309,850	193,738	82,697
None	4,346	628	888	2,830
1 to 4 years	9,904	642	2,561	6,701
5 to 8 years	40,088	4,951	13,979	21,958
9 to 11 years ...	33,438	9,906	16,394	7,138
12 years	222,316	119,100	81,314	21,903
Vocational	40,780	22,457	14,696	3,627
13 to 15 years ..	91,674	65,445	20,488	5,742
16 years	81,898	54,070	22,201	5,627
17 years or more	52,848	30,167	18,774	3,907
Not reported	8,192	2,483	2,444	3,264
Median <u>1/</u> (years)	12.8	13.3	12.7	11.7

1/ Excludes vocational and not reported. Corrected data for 1983 (shown in Data Book 1985, table 108) were: All ages, 12.7; 25-44 years, 13.0; 45-64 years, 12.6 (unchanged); 65 and over, 10.1.

Source: Hawaii State Department of Health, Hawaii Health Surveillance Program, special tabulation.

Table 119.-- ILLITERACY AND YEARS OF SCHOOL COMPLETED: 1900 TO 1980

[Data refer to persons 15 years old and over in 1900-1930 and 1980 and to persons 14 years old and over in 1940, 1950, 1960, and 1970]

Year	Illiterate ^{1/}		With less than 1 year of school		With less than 5 years of school	
	Number	Percent	Number	Percent	Number	Percent
1900	41,949	35.2	(NA)	(NA)	(NA)	(NA)
1910	39,465	29.2	(NA)	(NA)	(NA)	(NA)
1920	35,083	21.2	(NA)	(NA)	(NA)	(NA)
1930	41,018	17.5	(NA)	(NA)	(NA)	(NA)
1940 ^{2/} ...	(NA)	(NA)	37,048	12.3	76,612	25.4
1950	(NA)	8.4	27,060	7.8	61,285	17.6
1960	21,000	5.0	21,032	4.9	47,467	11.1
1970	(NA)	1.9	12,831	2.3	33,886	6.1
1980	(NA)	(NA)	11,218	1.5	29,929	4.0

NA Not available.

^{1/} Defined as the inability to read and write. Data for 1900-1930 are based on a direct census question regarding illiteracy; data for later years are estimates by the Bureau of the Census, based on national surveys on illiteracy and data by States on years of school completed.

An estimate of 1980 adult illiteracy in English, not comparable to the 1900-1970 figures shown here, indicated that 15 percent of all Hawaii residents 20 years old and over were illiterate in English. Hawaii had a higher estimated illiteracy rate than 39 States, a lower rate than 5 (including D.C.), and was tied with 6. The national rate was 13 percent. These estimates were based on the results of an actual test, the Measure of Adult English Proficiency, given to a national sample of 3,400 adults in 1982. State ratios were based on a regression equation using 1980 census data for six predictive factors.

^{2/} Years of school completed based on actual data for persons 25 years old and over and estimates (based on 1950 rates for persons 25 to 34) for persons 14 to 24.

Source: Robert C. Schmitt, Historical Statistics of Hawaii (University Press of Hawaii, 1977), p. 229; U.S. Bureau of the Census, decennial census bulletins, 1940-1980; U.S. Department of Education, Office of the Deputy Under Secretary for Planning, Budget and Evaluation, Adult Illiteracy Estimates for States (revised April 14, 1986).

Table 120.-- STANFORD ACHIEVEMENT TEST RESULTS FOR PUBLIC SCHOOL
 GRADES 4, 6, 8, AND 10: 1979 TO 1985

[Percent of students taking test. Fall data unless otherwise specified.
 National norms are: below average, 23 percent; average, 54 percent;
 above average, 23 percent]

Grade, subject, and level	1979	1980	1981	1982	1983	1984	1985
GRADE 4 1/							
Reading:							
Below average ..	25	24	19	20	18	17	19
Average	57	58	58	59	59	57	58
Above average ..	18	18	23	21	23	25	23
Math:							
Below average ..	26	26	22	23	23	27	30
Average	51	51	52	53	53	50	50
Above average ..	23	23	26	24	24	23	20
GRADE 6							
Reading:							
Below average ..	23	21	17	16	16	15	14
Average	59	60	62	62	63	64	64
Above average ..	18	19	21	22	21	21	22
Math:							
Below average ..	24	23	19	19	20	20	19
Average	50	51	52	53	53	54	54
Above average ..	26	26	29	28	27	26	27
GRADE 8							
Reading:							
Below average ..	32	30	29	26	23	24	22
Average	55	56	56	59	61	60	62
Above average ..	13	14	15	15	16	16	16
Math:							
Below average ..	28	26	23	22	21	22	20
Average	51	51	53	53	55	55	56
Above average ..	21	23	24	24	24	23	24

Continued on next page.

Table 120.-- STANFORD ACHIEVEMENT TEST RESULTS FOR PUBLIC SCHOOL GRADES 4, 6, 8, AND 10: 1979 TO 1985 -- Con.

Grade, subject, and level	1979	1980	1981	1982	1983	1984	1985
GRADE 10							
Reading:							
Below average ..	32	32	34	32	29	27	26
Average	52	52	51	52	54	55	55
Above average ..	16	16	15	16	17	18	19
Math:							
Below average ..	26	25	25	24	24	22	21
Average	53	53	54	55	55	57	57
Above average ..	21	22	21	21	21	21	22

1/ Data for 1984 and 1985 refer to grade 3 and results obtained in Spring 1985 and 1986.

Source: Hawaii State Department of Education, Test Development and Administration Section, Summary Report of Statewide Testing Program, 1984, pp. 10, 18, and 26, and records.

Table 121.-- FEDERAL OBLIGATIONS TO UNIVERSITIES AND COLLEGES: 1978 TO 1983

[Thousands of dollars. Fiscal years]

Year	State total	University of Hawaii at Manoa
1978	44,070	25,884
1979	40,271	29,525
1980	44,940	31,935
1981	37,927	27,280
1982 1/	41,150	28,278
1983	36,522	30,815

1/ Revised from Data Book 1985, table 111.

Source: National Science Foundation, Federal Support to Universities, Colleges, and Selected Nonprofit Institutions, Fiscal Year 1983, Final Report NSF 85-321 (August 1985), pp. 41 and 43 (microfiche).

Table 122.-- CHARACTERISTICS OF THE HAWAII STATE LIBRARY SYSTEM:
1980 TO 1985

Subject	1980	1981	1982	1983	1984	1985
Library locations,						
June 30	47	47	47	47	49	49
Oahu	22	22	22	22	23	23
Other islands	25	25	25	25	26	26
Personnel, June 30 <u>1/</u> ..	435.30	437.30	473.95	482.55	492.05	497.05
Librarians	122.00	122.00	124.40	126.00	131.00	134.00
All others	313.30	315.30	349.55	356.55	361.05	363.05
Hours open <u>2/</u>	54	54	54	54	54	54
Collections, June 30: <u>3/</u>						
Books <u>4/</u>	2,025.2	2,118.2	2,239.0	2,203.4	2,207.4	1,976.8
Audio-visuals,						
microforms <u>5/</u>	513.6	518.5	(NA)	648.7	282.2	164.0
Other print <u>5/</u>	797.7	804.7	(NA)	1,494.3	2,160.6	2,393.7
Circulation, year ended						
June 30 <u>3/</u>	5,042.7	5,267.0	5,263.1	5,321.7	5,490.7	6,011.4

NA Not available.

1/ Full-time equivalent basis, excluding student help. For 1984 and 1985, data include permanent and temporary State general-funded positions and temporary Federal funded positions.

2/ Regular weekly totals for Hawaii State Library, 478 South King Street, Honolulu.

3/ In thousands.

4/ Statistics for automated libraries taken from "total items linked" report; for non-automated libraries, from district annual reports.

5/ Microforms included with "other print" in 1984 and 1985. Art prints, pictures, and posters included with "other print" in 1985.

Source: Hawaii State Department of Education, Office of the State Librarian, June 17, 1986.

Table 123.-- CHARACTERISTICS OF THE HAWAII STATE LIBRARY SYSTEM
BY DISTRICTS: 1985

District	Library locations, June 30	Personnel, June 30 ^{1/}	Circulation, year ended June 30
Total system	49	497.05	6,011,385
Oahu	23	277.0	4,328,770
Hawaii State Library	1	84.0	607,086
Library for the Handicapped ..	1	14.5	40,159
East Oahu Library District ...	12	109.0	2,413,627
West Oahu Library District ...	9	69.5	1,267,898
Other islands	26	133.5	1,680,950
Hawaii Library District	13	59.5	837,853
Kauai Library District	5	31.5	375,886
Maui Library District ^{2/}	8	42.5	467,211
Administration	86.5	1,665
	Collections, June 30		
District	Books	Audio-visuals	Other print
Total system	1,976,757	163,970	2,393,716
Oahu	1,336,341	124,414	1,874,481
Hawaii State Library	374,017	31,475	1,366,848
Library for the Handicapped ..	22,000	59,474	1,506
East Oahu Library District ...	612,376	23,093	375,603
West Oahu Library District ...	327,948	10,372	130,524
Other islands	640,112	39,551	519,235
Hawaii Library District	259,881	12,402	264,229
Kauai Library District	156,482	13,559	122,809
Maui Library District ^{2/}	223,749	13,590	132,197
Administration	304	5	-

^{1/} Full-time equivalent basis, including permanent and temporary State general-funded and temporary Federal funded positions, but excluding student help.

^{2/} Includes libraries on Lanai (1 location), Maui (6 locations), and Molokai (1 location).

Source: Hawaii State Department of Education, Office of the State Librarian, June 17, 1986.

Table 124 .-- UNIVERSITY OF HAWAII LIBRARY SYSTEM HOLDINGS AND CIRCULATION,
BY CAMPUS: 1985 AND 1986

Campus	Number of volumes, June 30		Circulation, year ended June 30	
	1985	1986	1985	1986
All campuses	2,443,863	2,534,421	559,466	553,210
University of Hawaii at Manoa	2,013,146	2,091,059	351,280	346,500
West Oahu College	19,444	20,796	6,972	6,904
University of Hawaii at Hilo <u>1/</u>	178,555	184,192	51,403	45,934
Community colleges, total <u>1/</u>	232,718	238,374	149,811	153,872
Honolulu	53,121	50,197	47,355	42,355
Kapiolani	33,471	35,507	13,532	16,181
Leeward	51,746	53,290	37,831	36,899
Windward	29,426	31,098	13,738	15,466
Kauai	34,293	35,737	18,950	13,967
Maui	30,661	32,545	18,405	29,004

1/ Hawaii Community College is included with the University of Hawaii at Hilo.

Source: University of Hawaii at Manoa, University Libraries, data provided December 17, 1985 and November 14, 1986.