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**DIGEST
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**Division of Educational Statistics
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and Development**

**U.S. DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE . Anthony J. Celebrezze
Secretary**
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Foreword

THIS PUBLICATION is a substantial revision and enlargement of the *Digest of Educational Statistics* first printed in October 1962. It is a compilation of significant statistical material pertaining to American education. It contains information on a variety of subjects within the broad field of educational statistics, including schools, enrollments, teachers, graduates, educational attainment, finances, Federal programs in the field of education, libraries, international education, and research and development. It should prove useful to persons interested in the nature and scope of education in the United States, and in particular to those individuals who are concerned with the formulation and conduct of educational policy.

The digest is divided into five chapters: (1) Elementary and secondary education, (2) higher education, (3) all levels of education, (4) Federal programs of education, and (5) miscellaneous statistics related to American education. Certain criteria were used in selecting the statistics to be incorporated in each chapter: for example, the data were required to be nationwide in scope and of current interest and value. The latest tabulations and estimates available in each series were used, even though some of these statistics have not yet been published. Series going back 10 years or more have been employed in many instances in order to provide a certain amount of historical background. Although most of the data were transcribed directly from original sources, they were sometimes regrouped or even retabulated to fit into the general pattern of this publication.

The material was assembled and arranged by Marie Fullam, Frances Ryan, Rose Marie Walker, W. Vance Grant, Wells Harrington, and Kenneth A. Simon of the Reference, Estimates, and Projections Section under the general direction of Louis H. Conger, Jr., director, Studies and Surveys Branch, Division of Educational Statistics. Recognition should also be given to Velma Southard and Muriel Hewitt for their assistance in compiling many of the data.

It is no less a pleasure to acknowledge with gratitude the courtesy of the many persons, both in the Office of Education and elsewhere, who have supplied data, offered suggestions, and otherwise contributed toward the bringing of this digest to completion.

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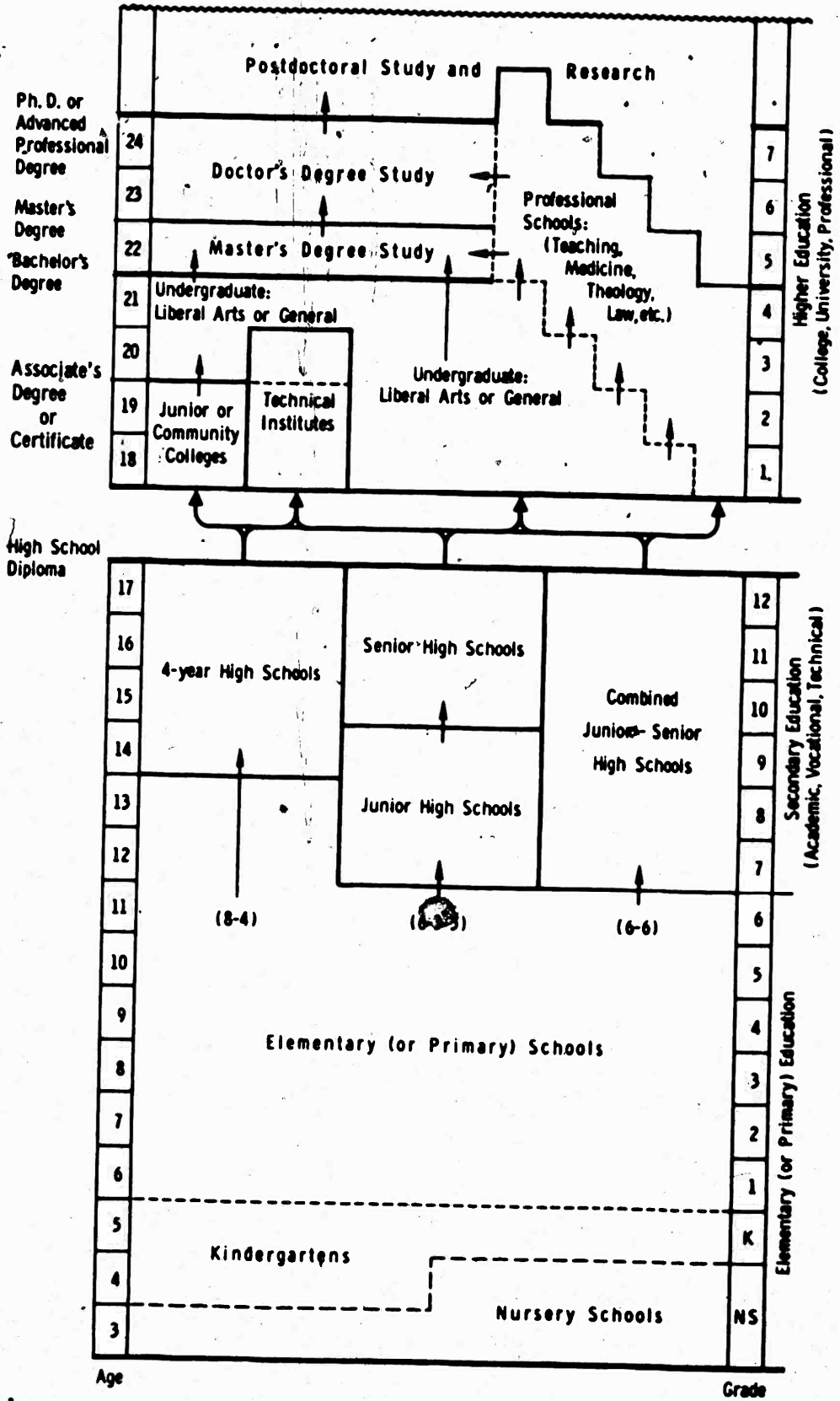
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Figure 1.—The structure of education in the United States



Introduction

FIGURE 1 presents a general picture of the structure of education in the United States. At the right side of the figure three levels of education are indicated: elementary, secondary (high schools), and higher (colleges, universities, and professional schools). The approximate age of persons in each level is given at the left side.

Three structural patterns below the college level are in common use. The pattern shown at the left is commonly called the 8-4 plan, meaning that after nursery school and kindergarten the pupils spend 8 years in the elementary school and 4 in the high school. The pattern in the center is generally called the 6-3-3 plan, meaning that after kindergarten the pupils spend 6 years in the elementary school, 3 in the junior high school, and 3 in the senior high school. The pattern at the right, called the 6-6 plan, means that pupils spend 6 years in the elementary school and 6 in the high school. All three plans lead to high school graduation at the age of 17 or 18 years.

High schools generally can be classified as comprehensive or specialized. The comprehensive high school provides two or more academic, vocational, technical, or general programs of education in the same school. The specialized high school concentrates on one type of program. Large city school systems tend to specialize the high schools, providing separate schools for vocational and technical programs. Vocational and technical high schools, however, sometimes offer the general subjects usually required for college entrance, so that a student who selects these courses can enter a college or university.

Graduates of the high school may enter a junior college, a technical institute, a 4-year college or university, or a professional school. The junior college normally offers the first 2 years of a standard 4-year college program and a broad selection of terminal-vocational courses. Academic courses offered by the junior colleges are transferable for credit to 4-year colleges and universities. The technical institute offers postsecondary technical training not leading to professional degrees.

Professional schools, as indicated at the upper right of the figure, begin at different levels and have programs of different lengths.

For example, medical students must complete at least 3 years of premedical studies at a college or university before they can enter the 4-year course of the medical school; engineering students, on the other hand, can enter an engineering school immediately upon the completion of the secondary school.

CHAPTER I

Elementary and Secondary Education

THE UNITED STATES has gone a long way toward providing universal elementary and secondary education for its citizens. While regulations differ somewhat from one jurisdiction to another, it may be said in general that free public education is available to all and that school attendance is compulsory between the ages of 7 and 16. Approximately two-thirds of our 5-year olds are now enrolled in school; from age 6 to 13 (the usual age for enrollment in the elementary grades), 99 percent of our children are attending school; and in the 14-to-17 age group (the usual high school age), 91 percent are enrolled in educational institutions. Approximately two-thirds of the young people graduate from high school today, and one-third of the young adults may be expected to enter college.

The largest segment of our school population is found in public elementary and secondary schools. Public school enrollments account for about 84 percent of the total enrollment in kindergarten through grade 8, and for 89 percent of the pupils enrolled in grades 9 through 12. In recent years, however, there has been a tendency for nonpublic school enrollments to grow at a somewhat faster rate than enrollments in public schools.

The Office of Education obtains comprehensive data biennially on public elementary and secondary schools in its survey of *State School Systems*, and it supplements this study with an annual survey of *Enrollment, Teachers, and Schoolhousing in Full-Time Public Elementary and Secondary Day Schools*. Surveys of nonpublic elementary and secondary schools have been conducted at less frequent intervals, but a great deal of valuable information on these schools has been made available by the State education agencies, the National Catholic Welfare Conference, and the Bureau of the Census.

In general, the statistics in this section relate to the 48 States and the District of Columbia through the school year 1957-58, while the data for 1958-59 include Alaska, and those for 1959-60 and subsequent years include both Alaska and Hawaii. Since there are some exceptions to this general rule, it was deemed desirable to specify in each instance the extent of the territory comprised in each tabulation.

Table 1.—Number of pupils enrolled in full-time public elementary and secondary day schools, by organizational level and State: Fall 1962 and fall 1963

Region and State	Fall 1962 ¹			Fall 1963 ²		
	Total	Elementary	Secondary	Total	Elementary	Secondary
U.S. and outlying parts	29,479,476	24,770,797	12,699,679	49,749,000	28,199,000	14,641,000
48 States and D.C.	28,826,610	24,252,506	12,484,974	48,190,000	27,683,000	14,418,000
NORTH ATLANTIC	9,066,097	5,476,374	3,589,723	9,360,000	5,594,000	3,766,000
Connecticut.....	519,737	366,368	153,389	540,000	378,000	162,000
Delaware.....	91,490	52,385	39,105	96,000	55,000	41,000
Maine.....	212,660	148,172	64,488	216,000	148,000	68,000
Maryland.....	667,939	386,422	281,517	699,000	401,000	298,000
Massachusetts.....	943,189	573,550	369,639	974,000	589,000	385,000
New Hampshire.....	115,671	75,705	39,966	121,000	77,000	44,000
New Jersey.....	1,159,283	776,357	382,926	1,216,000	794,000	422,000
New York.....	2,943,167	1,712,257	1,230,910	3,022,000	1,751,000	1,271,000
Pennsylvania.....	2,059,411	1,163,749	695,662	2,112,000	1,176,000	936,000
Rhode Island.....	142,552	81,612	60,940	146,000	82,000	64,000
Vermont.....	78,078	53,650	24,428	79,000	54,000	25,000
District of Columbia.....	132,900	86,147	46,753	139,000	89,000	50,000
GREAT LAKES AND PLAINS	10,852,176	7,318,723	3,533,453	11,178,000	7,256,000	3,919,000
Illinois.....	1,889,746	1,327,543	562,203	1,969,000	1,345,000	624,000
Indiana.....	1,028,988	660,378	368,610	1,046,000	660,000	386,000
Iowa.....	597,838	371,209	226,629	608,000	365,000	243,000
Kansas.....	501,702	381,961	119,741	521,000	399,000	122,000
Michigan.....	1,791,921	1,091,005	700,916	1,847,000	1,112,000	735,000
Minnesota.....	732,776	420,413	312,363	753,000	423,000	330,000
Missouri.....	857,620	641,126	216,494	873,000	646,000	227,000
Nebraska.....	300,540	194,196	106,344	310,000	194,000	116,000
North Dakota.....	141,886	90,597	51,289	143,000	88,000	55,000
Ohio.....	2,082,134	1,537,906	544,226	2,162,000	1,415,000	747,000
South Dakota.....	159,910	109,359	50,551	167,000	115,000	52,000
Wisconsin.....	767,115	493,028	274,087	776,000	494,000	282,000
SOUTHEAST	9,233,640	6,052,959	3,180,681	9,455,000	6,124,000	3,331,000
Alabama.....	812,021	488,754	223,267	824,000	512,000	312,000
Arkansas.....	435,537	252,860	182,677	442,000	259,000	183,000
Florida.....	1,093,941	628,673	465,268	1,134,000	656,000	498,000
Georgia.....	991,125	664,892	326,233	1,021,000	673,000	348,000
Kentucky.....	647,203	438,770	208,433	663,000	435,000	228,000
Louisiana.....	760,000	578,000	182,000	783,000	586,000	197,000
Mississippi.....	562,747	355,398	207,349	557,000	340,000	217,000
North Carolina.....	1,140,281	839,359	300,922	1,159,000	837,000	322,000
South Carolina.....	611,220	384,809	226,411	626,000	389,000	237,000
Tennessee.....	837,793	555,183	282,610	856,000	563,000	293,000
Virginia.....	905,740	611,208	294,532	935,000	625,000	310,000
West Virginia.....	436,032	255,053	180,979	435,000	249,000	186,000

See footnotes at end of table.

Table 1.—Number of pupils enrolled in full-time public elementary and secondary day schools, by organizational level and State: Fall 1962 and fall 1963—Continued

Region and State	Fall 1962 ¹			Fall 1963 ²		
	Total	Elementary	Secondary	Total	Elementary	Secondary
WEST AND SOUTH-WEST	9,684,697	6,504,530	3,180,167	10,110,000	6,711,000	3,399,000
Alaska.....	50,282	³ 40,511	⁴ 9,771	54,000	43,000	11,000
Arizona.....	352,763	266,164	86,599	378,000	282,000	96,000
California.....	3,755,000	2,505,500	1,249,500	3,966,000	2,620,000	1,346,000
Colorado.....	438,312	269,350	168,962	462,000	282,000	180,000
Hawaii.....	152,063	⁵ 90,363	⁶ 61,700	156,000	92,000	64,000
Idaho.....	166,660	⁷ 91,740	⁸ 74,920	170,000	93,000	77,000
Montana.....	156,999	104,795	52,204	162,000	107,000	55,000
Nevada.....	80,193	51,918	28,275	89,000	57,000	32,000
New Mexico.....	239,412	⁹ 139,214	¹⁰ 100,198	248,000	142,000	106,000
Oklahoma.....	562,870	¹¹ 318,870	¹² 244,000	573,000	325,000	248,000
Oregon.....	412,655	263,458	149,197	427,000	260,000	167,000
Texas.....	2,291,279	¹³ 1,769,074	¹⁴ 532,205	2,361,000	1,797,000	564,000
Utah.....	258,326	152,923	105,403	269,000	158,000	111,000
Washington.....	684,846	399,887	284,959	710,000	401,000	309,000
Wyoming.....	83,037	50,763	32,274	83,000	52,000	31,000
Outlying parts						
American Samoa.....	6,388	3,969	2,399	7,000	4,000	3,000
Canal Zone.....	12,612	7,305	5,307	14,000	8,000	6,000
Guam.....	14,898	8,927	5,971	16,000	9,000	7,000
Puerto Rico.....	592,009	¹⁵ 392,119	¹⁶ 199,890	603,000	393,000	208,000
Virgin Islands.....	7,959	5,871	2,088	9,000	7,000	2,000

¹ Totals, while shown to the last digit, are not in fact precise to that degree but merely represent the sum of rounded and unrounded figures furnished by the various States.

² Estimated by Office of Education.

³ Excludes kindergarten.

⁴ Data for elementary and secondary schools are reported by grade-group; kindergarten through grade 6 for elementary, and grades 7 through 12 for secondary.

⁵ Data for elementary and secondary schools are reported by grade-group; kindergarten through grade 8 for elementary, and grades 9 through 12 for secondary.

⁶ Data for 1961-62 school year. Data for elementary and secondary schools are reported by grade-group; kindergarten through grade 8 for elementary, and grades 9 through 12 for secondary.

⁷ Excludes vocational schools not operating as part of the regular public school system.

⁸ Data for elementary and secondary schools are reported by grade-group; kindergarten through grade 7 for elementary, and grades 8 through 12 for secondary.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, Circular No. 703, *Fall 1962 Statistics on Enrollment, Teachers, and Schoolhousing in Full-Time Public Elementary and Secondary Day Schools*.

Table 2.—Enrollment, attendance, and length of school term in public elementary and secondary day schools, by State: 1959-60

Region and State	Enrollment ¹			Average daily attendance	Percent of pupils enrolled attending daily (col. 5+col. 2)	Average length of term (in days)
	Total	Kindergarten through grade 8	Grades 9 through 12 and post-graduate			
1	2	3	4	5	6	7
United States	28,064,771	27,001,902	8,464,000	22,477,640	89.0	178.0
NORTH ATLANTIC	8,452,285	6,356,853	2,095,432	7,501,987	89.8	180.0
Connecticut.....	478,824	365,947	110,881	425,006	89.1	180.4
Delaware.....	80,874	61,655	19,219	73,343	90.7	180.0
Maine.....	165,325	151,856	43,469	182,026	93.2	181.4
Maryland.....	506,175	456,036	139,439	533,751	89.5	180.9
Massachusetts.....	1,860,667	1,698,044	217,623	703,339	92.2	177.6
New Hampshire.....	103,827	81,064	24,763	93,568	90.3	178.0
New Jersey.....	1,051,079	796,462	254,617	942,308	89.7	180.5
New York.....	2,828,833	2,126,130	702,723	2,463,909	87.1	179.1
Pennsylvania.....	1,927,832	1,419,405	508,427	1,788,994	92.8	181.6
Rhode Island.....	133,317	100,814	32,503	117,776	88.3	180.0
Vermont.....	172,822	56,725	16,097	70,167	96.4	177.0
District of Columbia.....	122,486	96,815	25,671	105,801	86.4	180.2
ORCAT LAKES AND PLAINS	10,189,357	7,720,977	2,468,380	9,020,420	88.8	177.9
Illinois.....	1,787,809	1,356,300	431,509	1,514,236	84.7	179.2
Indiana.....	989,259	752,435	236,824	862,741	87.2	173.0
Iowa.....	598,103	456,988	141,117	537,832	89.9	178.3
Kansas.....	478,630	365,565	113,065	441,006	92.1	179.3
Michigan.....	1,625,247	1,253,466	371,781	1,457,592	89.7	180.0
Minnesota.....	681,938	503,845	178,093	627,307	92.0	174.9
Missouri.....	820,724	624,744	195,980	704,877	85.9	182.1
Nebraska.....	282,721	215,579	67,142	260,225	92.0	178.0
North Dakota.....	136,766	101,166	35,600	126,139	92.2	179.2
Ohio.....	1,905,985	1,469,707	436,288	1,733,888	91.0	177.2
South Dakota.....	153,596	116,436	37,160	138,108	89.9	171.8
Wisconsin.....	698,509	504,688	193,821	616,470	88.3	177.9
SOUTHEAST	8,872,919	6,909,210	1,963,709	7,892,341	88.9	177.3
Alabama.....	787,269	608,563	178,706	709,047	90.1	175.6
Arkansas.....	424,206	323,789	100,417	372,591	87.8	173.1
Florida.....	993,496	768,025	225,471	870,511	87.6	180.0
Georgia.....	949,099	748,166	200,933	820,995	86.5	180.0
Kentucky.....	631,412	496,063	135,349	566,637	89.7	169.2
Louisiana.....	693,202	542,379	150,823	619,456	89.4	179.6
Mississippi.....	566,421	451,921	114,500	485,747	85.8	173.9
North Carolina.....	1,105,412	844,346	261,066	1,003,455	90.8	180.0
South Carolina.....	610,099	482,442	127,657	531,385	87.1	180.0
Tennessee.....	810,300	628,562	181,738	735,660	90.8	175.7
Virginia.....	841,574	663,363	178,211	756,354	89.9	180.1
West Virginia.....	460,429	351,591	108,838	420,503	91.3	172.4

See footnotes at end of table.

Table 2.—Enrollment, attendance, and length of school term in public elementary and secondary day schools, by State: 1959-60—Continued

Region and State	Enrollment ¹			Average daily attendance	Percent of pupils enrolled attending daily (col. 5+col. 2)	Average length of term (in days)
	Total	Kindergarten through grade 8	Grades 9 through 12 and postgraduate			
1	2	3	4	5	6	7
WEST AND SOUTH-WEST	8,602,210	6,614,862	1,987,348	7,972,692	92.7	177.0
Arizona	302,672	235,717	66,955	257,840	85.2	172.8
California	3,199,455	2,473,392	726,063	3,155,006	98.6	177.7
Colorado	393,690	308,870	84,820	345,234	87.7	178.3
Idaho	162,839	120,414	42,425	147,459	90.6	177.0
Montana	144,994	109,164	35,834	131,650	90.8	180.3
Nevada	66,415	52,242	14,173	55,223	83.1	180.5
New Mexico	231,004	179,806	51,198	202,377	87.6	180.0
Oklahoma	533,928	395,401	138,527	485,559	90.9	176.2
Oregon	388,772	288,638	100,134	345,041	88.8	176.8
Texas	2,068,158	1,614,552	453,606	1,822,176	88.1	174.1
Utah	235,984	178,064	57,920	216,317	91.7	180.0
Washington	1,609,035	1,153,489	455,546	1,568,641	93.4	179.9
Wyoming	81,431	62,285	19,146	71,439	87.7	180.0
Alaska	44,450	36,820	7,630	37,782	85.0	173.8
Hawaii	139,429	106,008	33,421	130,948	93.9	179.8
Outlying parts						
American Samoa	15,462	4,756	706	(¹)	(^C)	180.0
Canal Zone	11,937	8,948	2,989	10,200	85.4	181.7
Guam	14,641	12,281	2,360	12,776	87.3	180.4
Puerto Rico	573,440	485,711	87,729	511,955	89.3	182.1
Virgin Islands	6,849	5,892	957	6,139	89.6	175.9

¹ Enrollment figures for a given State include pupils who enrolled for the first time in the United States during the school year and pupils who were previously enrolled in another State.

² Enrollment not cumulative, but as of a specific date; hence, the ratio of attendance to enrollment is not strictly comparable with the ratios for other States.

³ Represents minimum number of days schools must be in session.

⁴ Includes estimated data for kindergarten.

⁵ Because attendance in California includes excused absences and enrollment is not cumulative, the ratio of attendance to enrollment is not strictly comparable with ratios for other States.

⁶ Estimated.

⁷ Data not available.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, *Statistics of State School Systems: 1959-60*.

Table 3.—Enrollment by grade in full-time public elementary and secondary day schools: United States, 1951-52 to 1962-63

[In thousands]

Grade	1951-52	1952-53	1953-54	1954-55	1955-56	1956-57	1957-58	1958-59	1959-60	1960-61	1961-62	1962-63
	2	3	4	5	6	7	8	9	10	11	12	13
All grades	24,583	27,597	28,836	29,945	31,163	32,334	33,529	34,839	35,967	37,099	38,129	39,799
Kindergarten through grade 8.....	20,081	21,625	22,546	23,471	24,290	25,016	25,669	26,581	27,602	28,400	28,989	29,400
Kindergarten.....	1,272	1,399	1,474	1,415	1,564	1,675	1,772	1,834	1,923	2,026	2,079	2,172
First grade.....	4,867	3,358	3,666	3,495	3,495	3,491	3,597	3,670	3,733	3,818	3,841	3,883
Second grade.....	2,870	2,639	2,940	3,201	3,242	3,241	3,214	3,346	3,436	3,536	3,588	3,631
Third grade.....	2,718	2,633	2,669	2,896	3,291	3,183	3,176	3,179	3,302	3,395	3,429	3,518
Fourth grade.....	2,559	2,684	2,565	2,848	2,848	3,238	3,128	3,142	3,146	3,268	3,328	3,397
Fifth grade.....	2,320	2,520	2,607	2,523	2,481	2,808	3,181	3,099	3,118	3,109	3,197	3,334
Sixth grade.....	2,166	2,276	2,449	2,584	2,470	2,443	2,759	3,136	3,070	3,076	3,056	3,192
Seventh grade.....	2,083	2,143	2,242	2,432	2,542	2,476	2,458	2,785	3,173	3,102	3,116	3,189
Eighth grade.....	1,936	1,973	2,032	2,177	2,337	2,460	2,386	2,531	2,701	3,070	2,985	3,084
Grades 9 through 12 and postgraduate.....	5,882	5,882	6,290	6,574	6,873	7,318	7,860	8,258	8,485	8,900	9,540	10,300
First year high school.....	1,820	1,861	1,944	2,028	2,143	2,368	2,480	2,412	2,418	2,751	3,130	3,182
Second year high school.....	1,582	1,579	1,717	1,765	1,849	1,974	2,194	2,318	2,268	2,569	2,580	2,990
Third year high school.....	1,338	1,307	1,412	1,520	1,543	1,615	1,736	1,935	2,063	2,024	2,084	2,331
Fourth year high school.....	1,111	1,108	1,190	1,246	1,328	1,349	1,431	1,588	1,747	1,851	1,799	1,859
Postgraduate.....	31	27	27	16	13	19	35	35	4	5	6	6

PERCENT

	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
All grades.....	4.8	5.1	5.1	4.7	5.0	5.2	5.3	5.3	5.4	5.3	5.4	5.5
Kindergarten.....	11.1	12.2	12.7	11.7	11.2	10.8	10.7	10.6	10.2	10.3	10.2	10.1
First grade.....	10.1	9.6	10.2	11.3	10.4	10.0	9.6	9.6	9.5	9.5	9.5	9.3
Second grade.....	10.2	9.6	8.9	9.6	10.6	9.8	9.5	9.1	9.1	9.2	9.1	9.0
Third grade.....	9.6	9.8	8.9	8.4	9.1	10.0	9.3	9.0	8.8	8.7	8.8	8.6
Fourth grade.....	8.7	9.2	9.0	8.4	8.0	8.7	9.5	8.9	8.3	8.6	8.3	8.4
Fifth grade.....	8.2	8.3	8.5	8.6	7.9	7.6	8.2	8.0	8.6	8.5	8.2	8.0
Sixth grade.....	7.8	8.3	7.8	8.1	8.2	7.7	7.3	8.0	8.5	8.5	8.2	8.0
Seventh grade.....	7.3	7.2	7.0	7.2	7.6	7.6	7.1	8.0	8.8	8.8	8.2	7.9
Eighth grade.....	6.9	6.8	6.7	6.7	6.9	7.3	7.4	6.8	7.5	7.5	8.2	7.8
First year high school.....	6.0	5.7	6.0	5.9	5.9	5.9	6.5	6.7	7.4	6.3	7.4	7.9
Second year high school.....	5.0	4.8	4.9	5.1	5.0	5.0	5.2	5.6	6.1	5.7	6.1	6.8
Third year high school.....	4.2	4.0	4.1	4.1	4.3	4.2	4.3	4.4	5.4	4.8	5.4	5.9
Fourth year high school.....	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Postgraduate.....												

1 Data for odd-numbered years taken from special studies or estimates.

2 Estimated from preliminary data.

3 Estimated from fall data.

4 Italicized figures, shown in diagonal progression, indicate enrollments in successive grades of the pupils who entered the first grade in 1961-62, including retarded and accelerated pupils. Because of retardation, school retention rates should not be calculated directly from first-grade enrollments.

5 Less than 0.05 percent.

NOTE.—Data for 1969-69 include Alaska; data for 1969-60 and subsequent years include Alaska and Hawaii. Because of rounding, detail may not add to totals.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, *Statistics of State School Systems: 1969-60*; and unpublished data.

Table 4.—Number and percent of pupils enrolled in public secondary schools, by type of school: United States, 1919-20 to 1958-59

School year	All types of school	Type of school			
		Traditional ¹	Junior ²	Senior ³	Junior-senior ⁴
1919-20:					
Number.....	1,999,106	1,667,480	37,331	17,791	276,504
Percent.....	100.0	83.4	1.9	0.9	13.8
1929-30:					
Number.....	5,212,179	2,652,271	1,036,919	543,813	979,176
Percent.....	100.0	50.9	19.9	10.4	18.8
1937-38:					
Number.....	7,423,573	3,230,708	1,408,584	972,218	1,812,063
Percent.....	100.0	43.5	19.0	13.1	24.4
1945-46:					
Number.....	6,840,799	2,632,021	1,274,523	1,148,632	1,785,623
Percent.....	100.0	38.5	18.6	16.8	26.1
1951-52:					
Number.....	7,688,919	1,937,210	1,526,996	1,528,006	2,696,707
Percent.....	100.0	25.2	19.8	19.9	35.1
1958-59:					
Number.....	11,044,119	1,939,117	2,749,602	2,818,479	3,536,921
Percent.....	100.0	17.5	25.0	25.5	32.0

¹ Includes 4-year high schools preceded by 8-year elementary schools. No reorganization has taken place.

² Includes 2-year and 3-year junior high schools.

³ Includes 3-year and 4-year senior high schools preceded by junior high schools.

⁴ Includes 5-year and 6-year high schools.

NOTE.—Data are for 48 States and District of Columbia.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, *Statistics of Education in the United States, 1958-59 Series, Number 1, Public Secondary Schools.*

Table 5.—Enrollment in grades 9-12 in public and nonpublic schools compared with population 14-17 years of age: United States, 1889-90 to 1961-62

School year	Enrollment, grades 9-12 and postgraduate ¹			Population 14-17 years of age ²	Total number enrolled per 100 persons 14-17 years of age
	All schools	Public schools	Nonpublic schools		
1889-90.....	359,949	³ 202,963	⁴ 94,931	5,354,653	6.7
1899-1900.....	609,403	³ 519,251	⁴ 110,797	6,152,231	11.4
1909-10.....	1,115,398	³ 915,061	⁴ 117,400	7,220,298	15.4
1919-20.....	2,500,176	³ 2,200,389	⁴ 213,920	7,735,841	32.3
1929-30.....	4,804,255	³ 4,399,422	⁴ 341,158	9,841,221	51.4
1939-40.....	7,123,009	6,635,337	487,672	9,720,419	73.8
1941-42.....	6,933,265	6,420,544	512,721	⁵ 9,749,000	71.1
1943-44.....	6,030,617	5,584,656	445,961	⁵ 9,449,000	63.8
1945-46.....	6,237,133	5,664,528	572,605	⁵ 9,066,000	68.9
1947-48.....	6,305,168	5,675,937	629,231	⁵ 8,841,000	71.3
1949-50.....	6,453,009	5,757,810	695,199	8,404,768	76.8
1951-52.....	6,596,351	5,917,384	678,967	⁵ 8,516,000	77.5
1953-54.....	7,108,973	6,330,565	778,408	⁵ 8,861,000	80.2
1955-56.....	7,774,975	6,917,790	857,185	⁵ 9,207,000	84.4
1957-58.....	⁶ 8,899,186	⁶ 7,905,469	⁶ 963,717	⁶ 10,139,000	87.5
1959-60.....	9,599,810	8,531,454	1,068,356	11,154,879	86.1
1961-62 ⁷	10,800,000	9,600,000	1,200,000	⁶ 12,004,000	90.0

¹ Unless otherwise indicated, includes enrollment in subcollegiate departments of institutions of higher education and in residential schools for exceptional children. Beginning in 1949-50, also includes Federal schools.

² Includes all persons residing in the United States, but excludes Armed Forces overseas. Data shown are actual figures from the decennial censuses of population unless otherwise indicated.

³ Excludes enrollment in subcollegiate departments of institutions of higher education and in residential schools for exceptional children.

⁴ Data for 1927-28.

⁵ Estimated by the Bureau of the Census as of July 1 preceding the opening of the school year.

⁶ Revised since originally published.

⁷ Preliminary data.

NOTE.—Beginning in 1959-60, includes Alaska and Hawaii.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, *Biennial Survey of Education in the United States*, chapters on Statistical Summary of Education; and unpublished data available in the Office of Education.

Table 6—Estimated enrollment in full-time regular¹ nonpublic elementary and secondary schools, by region and State: 1961-62

Region and State	Total	Elementary	Secondary
U.S. and outlying parts	6,568,300	5,357,700	1,210,600
50 States and D.C.	6,568,000	5,350,000	1,208,000
NORTH ATLANTIC	2,671,500	2,166,600	504,900
Connecticut.....	119,200	91,200	28,000
Delaware.....	21,700	17,400	4,300
Maine.....	37,100	25,600	11,500
Maryland.....	150,400	127,300	23,100
Massachusetts.....	288,700	223,300	65,400
New Hampshire.....	38,600	30,600	8,000
New Jersey.....	333,000	278,600	54,400
New York.....	934,100	775,800	158,300
Pennsylvania.....	646,500	518,400	128,100
Rhode Island.....	50,400	50,000	4,400
Vermont.....	19,100	13,000	6,100
District of Columbia.....	23,700	15,400	8,300
GREAT LAKES AND PLAINS	2,332,300	1,916,000	416,300
Illinois.....	582,800	481,300	101,500
Indiana.....	143,100	121,100	22,000
Iowa.....	99,700	78,600	21,100
Kansas.....	55,600	45,600	10,000
Michigan.....	342,800	272,100	70,700
Minnesota.....	176,800	147,700	29,100
Missouri.....	160,700	137,800	22,900
Nebraska.....	57,900	46,600	11,300
North Dakota.....	21,900	18,700	3,200
Ohio.....	385,200	312,400	72,800
South Dakota.....	20,300	17,600	2,700
Wisconsin.....	276,500	236,500	40,000
SOUTHEAST	583,000	470,400	112,600
Alabama.....	33,700	27,200	6,500
Arkansas.....	12,500	10,000	2,500
Florida.....	88,300	76,600	11,700
Georgia.....	32,300	25,800	6,500
Kentucky.....	94,100	75,500	18,600
Louisiana.....	148,900	128,800	20,100
Mississippi.....	18,700	14,800	3,900
North Carolina.....	17,100	13,400	3,700
South Carolina.....	17,200	13,700	3,500
Tennessee.....	38,200	27,500	10,700
Virginia.....	65,500	50,600	14,900
West Virginia.....	16,500	11,500	5,000
WEST AND SOUTHWEST ²	913,200	747,000	166,200
Alaska.....	2,700	2,200	500
Arizona.....	38,900	32,900	6,000
California.....	423,100	342,200	80,900
Colorado.....	50,500	41,500	9,000
Hawaii.....	32,900	24,600	8,300
Idaho.....	8,900	7,800	1,100
Montana.....	22,100	17,500	4,600
Nevada.....	5,600	4,600	1,000
New Mexico.....	29,800	25,300	4,500
Oklahoma.....	21,800	18,000	3,800
Oregon.....	39,500	31,500	8,000
Texas.....	164,100	140,300	23,800
Utah.....	7,300	5,500	1,800
Washington.....	61,500	49,000	12,500
Wyoming.....	4,500	4,100	400
Outlying parts	68,300	57,700	10,600
American Samoa.....	1,100	1,100	.....
Canal Zone.....	900	900	.....
Guam.....	4,400	3,600	800
Puerto Rico.....	58,400	49,000	9,400
Virgin Islands.....	3,500	3,100	400

¹ Excludes enrollment in elementary and secondary departments of nonpublic institutions of higher education and in nonpublic residential schools for exceptional children.

Source: Estimates by Office of Education based on U.S. Department of Health, Education, and Welfare, Office of Education publications, (1) *Statistics of Nonpublic Secondary Schools, 1960-61*, (2) *Enrollment, Teachers, and Schoolhousing in Full-time Public Elementary and Secondary Day Schools, Fall 1961*, (3) *Statistics of State School Systems, 1959-60*; and *Summary of Catholic Education, 1960-61*, National Catholic Welfare Conference, Department of Education.

Table 7.—Number of pupils enrolled in nonpublic secondary schools, by State: 1960-61

State	All secondary schools	Grades 5-6	Grades 7-8	Grades 9-12	Post-graduate
United States and outlying parts.	1,123,621	543	23,282	1,065,616	4,000
48 States and D.C.	1,100,443	543	23,617	1,075,376	4,007
Alabama.....	6,261				
Alaska.....	439		658	5,099	4
Arizona.....	5,281			439	
Arkansas.....	2,624		78	5,193	10
California.....	74,166		126	2,498	
			1,438	72,620	108
Colorado.....	8,496				
Connecticut.....	26,741		600	7,894	1
Delaware.....	3,893		851	25,803	87
District of Columbia.....	7,826		215	3,674	4
Florida.....	13,898	93	95	7,679	52
			1,629	12,080	96
Georgia.....	7,644				
Hawaii.....	8,213		724	6,896	84
Idaho.....	1,013		753	7,400	
Illinois.....	88,861		7	1,006	
Indiana.....	20,287		260	88,451	150
			89	20,187	11
Iowa.....	18,291				
Kansas.....	8,505		105	18,185	1
Kentucky.....	17,181		60	8,444	11
Louisiana.....	22,590		274	16,893	14
Maine.....	10,596		603	22,986	1
			93	10,351	152
Maryland.....	20,992	96			
Massachusetts.....	60,641	46	1,178	19,577	142
Michigan.....	63,550	41	1,284	58,564	747
Minnesota.....	25,749		2,517	60,990	2
Mississippi.....	3,917		885	24,836	28
			377	3,538	2
Missouri.....	30,111		401	29,702	8
Montana.....	3,856				
Nebraska.....	9,787			3,854	2
Nevada.....	898		457	9,307	23
New Hampshire.....	6,913		5	898	
				6,855	53
New Jersey.....	51,681	15			
New Mexico.....	4,421		1,142	50,256	208
New York.....	149,447	120	540	3,867	14
North Carolina.....	3,498		3,642	145,238	447
North Dakota.....	3,826		158	3,331	9
			41	3,780	5
Ohio.....	65,290				
Oklahoma.....	3,664		999	64,216	65
Oregon.....	7,544		78	3,584	2
Pennsylvania.....	116,647	53	169	7,373	2
Rhode Island.....	8,944		2,190	113,332	1,022
			334	8,006	4
South Carolina.....	3,757				
South Dakota.....	2,747		163	3,572	23
Tennessee.....	9,908			2,746	1
Texas.....	22,578	80	548	9,301	59
Utah.....	1,754		846	21,937	15
			204	1,550	
Vermont.....	6,135		31	6,062	42
Virginia.....	15,595				
Washington.....	11,514		1,956	13,505	134
West Virginia.....	4,243		492	10,999	23
Wisconsin.....	35,300		103	4,068	42
Wyoming.....	341		229	35,033	38
				341	
Outlying parts	14,978		3,665	10,949	73
Guam.....	1,297		414	882	1
Puerto Rico.....	12,376		3,175	9,129	72
Virgin Islands.....	405		76	329	

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, *Statistics of Nonpublic Secondary Schools, 1960-61*.

Table 8.—Number of pupils enrolled in nonpublic secondary schools, by selected characteristics of school and by State: 1960-61

Region and State	Total enrollment	Distribution of total enrollment by—									
		Type of control of school		Type of facility			Type of student-body				
		Church-related	Not church-related	Day school only	Boarding school primarily	Combined boarding and day school	Boys only	Girls only	Coeducational	Collegiate	
1	2	3	4	5	6	7	8	9	10	11	
United States	1,186,643	976,317	123,126	992,969	76,431	128,923	363,339	272,979	489,822	83,313	
NEW ENGLAND	119,970	83,846	26,124	85,419	18,963	18,588	33,223	26,860	52,743	6,134	
Connecticut.....	26,741	15,665	11,076	18,822	4,240	3,679	8,226	6,396	12,054	75	
Maine.....	10,596	3,904	6,092	6,779	926	2,891	1,726	1,306	7,360	204	
Massachusetts.....	60,641	47,027	13,614	46,323	7,266	7,062	17,242	13,965	24,847	4,867	
New Hampshire.....	6,913	5,506	1,407	3,847	2,580	1,506	3,099	1,437	2,407	.....
Rhode Island.....	8,944	8,492	1,452	5,615	487	2,872	4,673	2,445	445	998	
Vermont.....	6,136	3,252	2,883	4,033	524	1,578	297	206	5,030	.....
MID EAST	350,486	311,643	38,843	303,350	17,027	30,109	105,229	99,585	118,611	24,061	
Delaware.....	3,893	3,422	471	3,322	163	408	1,634	460	1,467	332	
District of Columbia.....	7,826	6,450	1,376	6,297	.....	1,529	3,517	2,810	1,248	261
Maryland.....	20,992	17,384	3,608	16,674	.....	3,271	7,991	7,946	4,531	624
New Jersey.....	51,681	46,594	5,087	44,715	1,047	2,806	12,963	8,160	28,168	2,390	
New York.....	149,447	131,647	17,800	131,096	5,690	12,671	51,992	49,727	37,460	11,188	
Pennsylvania.....	116,647	106,146	10,501	101,246	7,531	7,870	31,132	30,482	45,737	9,296	
GREAT LAKES	273,278	262,731	10,547	246,700	12,904	13,674	67,071	68,502	128,170	9,535	
Illinois.....	88,861	84,338	4,523	82,090	2,467	4,304	30,961	33,505	22,670	1,705	
Indiana.....	20,287	19,193	1,094	16,350	2,378	1,559	3,581	2,963	11,414	2,329	
Michigan.....	63,550	62,187	1,363	59,299	1,069	3,162	7,195	8,164	46,930	1,281	
Ohio.....	65,280	62,466	2,814	60,615	3,011	1,654	18,508	18,753	25,084	2,665	
Wisconsin.....	35,300	34,547	753	28,346	3,959	2,966	6,806	6,117	22,072	1,305	
PLAINS	99,016	94,793	4,223	81,878	6,299	10,839	17,633	17,728	60,916	2,730	
Iowa.....	18,291	18,291	.....	17,587	295	409	730	1,110	13,203	1,248
Kansas.....	8,505	8,418	87	6,077	435	1,993	1,326	1,539	5,640	.....

Minnesota.....	24,754	965	21,273	1,765	2,711	6,575	6,515	11,965	664
Missouri.....	30,111	2,368	28,035	1,572	3,604	7,311	6,701	15,272	827
Nebraska.....	9,143	644	8,013	1,072	752	1,520	1,465	6,802	
North Dakota.....	3,826		2,679	352	796	171	78	3,577	
South Dakota.....	2,618	129	1,214	858	675		320	2,427	
SOUTHEAST.....	112,216	26,792	74,115	15,086	23,055	34,985	22,521	50,181	4,579
Alabama.....	6,361	1,886	4,921	457	963	1,715	1,318	3,328	
Arkansas.....	2,624	1,109	1,317	529	778	1,715	648	1,261	
Florida.....	13,846	3,892	9,503	1,537	2,858	3,371	2,312	7,547	695
Georgia.....	7,644	4,360	3,219	1,220	3,205	2,963	5,575	3,458	745
Kentucky.....	17,181	1,226	13,927	1,352	1,902	5,525	5,459	8,830	367
Louisiana.....	23,690	1,621	18,500	335	1,924	7,907	5,994	1,832	96
Mississippi.....	3,917	239	2,414	1,196	1,240	632	486	2,288	249
North Carolina.....	3,468	1,221	1,285	1,196	1,017	525	244	2,831	
South Carolina.....	3,757	2,277	1,736	1,577	1,444	682	244	2,082	
Tennessee.....	9,908	1,565	1,736	1,795	2,326	4,748	1,479	3,082	589
Virginia.....	15,566	4,504	8,235	5,219	2,141	5,144	2,947	7,474	30
West Virginia.....	4,243	5,656	3,281	558	406	1,116	771	2,356	
SOUTHWEST.....	36,244	3,691	22,890	3,902	9,452	8,361	6,633	19,872	1,378
Arizona.....	5,281	777	2,703	807	1,771	740	705	3,886	
New Mexico.....	4,421	367	2,930	604	567	480	409	3,499	53
Oklahoma.....	3,664	79	2,362	536	766	545	251	2,868	
Texas.....	22,878	2,468	14,865	1,965	6,028	6,616	5,268	9,000	1,325
ROCKY MOUNTAINS.....	15,459	1,262	12,221	790	2,448	2,012	1,679	11,683	80
Colorado.....	8,496	1,100	6,646	437	1,412	1,419	804	6,272	
Idaho.....	1,013		522	491	133	463	712	1,013	
Montana.....	3,856	152	3,370	353	412	110	163	2,061	
Utah.....	1,754		1,342					1,401	
Wyoming.....	1,341		341					341	
FAR WEST.....	102,774	11,654	76,416	6,510	19,848	29,856	29,571	38,641	4,708
Alaska.....	439	15	109	151	179	23,143	22,974	439	
California.....	74,166	6,909	57,844	3,716	12,605	2,101	2,974	25,420	2,629
Hawaii.....	8,213	2,808	4,285	599	3,339	2,101	1,283	3,418	1,411
Nevada.....	966		898					898	
Oregon.....	7,844	980	5,787	1,235	522	1,659	1,813	3,995	77
Washington.....	11,514	942	7,493	819	3,202	2,963	3,501	4,471	569
Outlying parts.....	14,678	1,967	11,739	437	1,969	1,116	1,369	16,994	656
Guam.....	1,297		1,090	437	208	208	242	847	
Puerto Rico.....	12,376	1,990	10,245		1,694	908	1,188	9,672	656
Virgin Islands.....	405	7	405					405	

Source: U.S. Department of Health, Education, and Welfare, Office of Education, Statistics of Nonpublic Secondary Schools, 1960-61.

Table 9.—Estimated enrollment in science and mathematics courses in public high schools: United States, 1958-59

Course	Typical grade	Typical age	Estimated enrollment	
			Number	Percent ¹
All science courses	9-12		4,678,000	58.6
General science.....	9	14	1,881,000	65.5
Biology.....	10	15	1,677,000	72.3
Chemistry.....	11	16	657,000	33.6
Physics.....	12	17	379,000	24.6
Advanced general science.....	12	17	98,000	6.4
Other science.....	10-12		278,000	4.8
All mathematics courses	9-12		5,186,000	62.1
General mathematics.....	9	14	1,024,000	42.4
Elementary algebra.....	9	14	1,775,000	73.6
Plane geometry.....	10	15	979,000	42.2
Intermediate algebra.....	11	16	643,000	32.9
Solid geometry.....	12	17	106,000	6.9
Trigonometry.....	12	17	220,000	14.3
Other mathematics.....	10-12		361,000	6.2

¹ The percent is the ratio between the course enrollment and the total enrollment in the grade where the course is usually offered.

NOTE.—Data are for 48 States and D.C.

SOURCES: Columns 1-4 from Office of Education Bulletin 1961, No. 5, *Offerings and Enrollments in Science and Mathematics in Public High Schools, 1958*; last column computed using grade enrollment data from Office of Education Circular No. 650, *Statistics of State School Systems, 1958-59*.

Table 10.—Enrollment in science and mathematics courses in public high schools compared with total enrollment in grades 9-12 and population aged 14-17: United States, 1948-49 to 1958-59

Item	Enrollment, by year				Percent of increase 1948-49 to 1958-59
	1948-49	1954-55 ¹	1956-57 ¹	1958-59 ¹	
All science courses	2,944,000		4,643,000	4,678,000	58.6
General science.....	1,074,000		1,518,000	1,581,000	47.2
Biology.....	996,000	1,294,000	1,430,000	1,677,000	68.4
Chemistry.....	412,000	483,000	520,000	657,000	59.5
Physics.....	291,000	303,000	310,000	379,000	30.2
Other science.....	172,000		266,000	376,000	118.5
All mathematics courses	2,958,000		4,461,000	5,186,000	72.7
Elementary algebra.....	1,042,000	1,205,000	1,518,000	1,775,000	70.3
Intermediate algebra.....	372,000	432,000	484,000	643,000	72.8
General mathematics.....	650,000	800,000	976,000	1,024,000	57.5
Plane geometry.....	599,000	664,000	788,000	979,000	63.4
Solid geometry.....	94,000	147,000	160,000	106,000	12.8
Trigonometry.....	109,000	170,000	200,000	220,000	101.8
Other mathematics.....	92,000		275,000	361,000	292.4
Total enrollment, grades 9-12.....	5,399,000	6,583,000	7,305,706	7,841,000	45.2
Population age group 14-17 ²	8,703,000	9,012,000	9,541,000	10,635,000	22.2

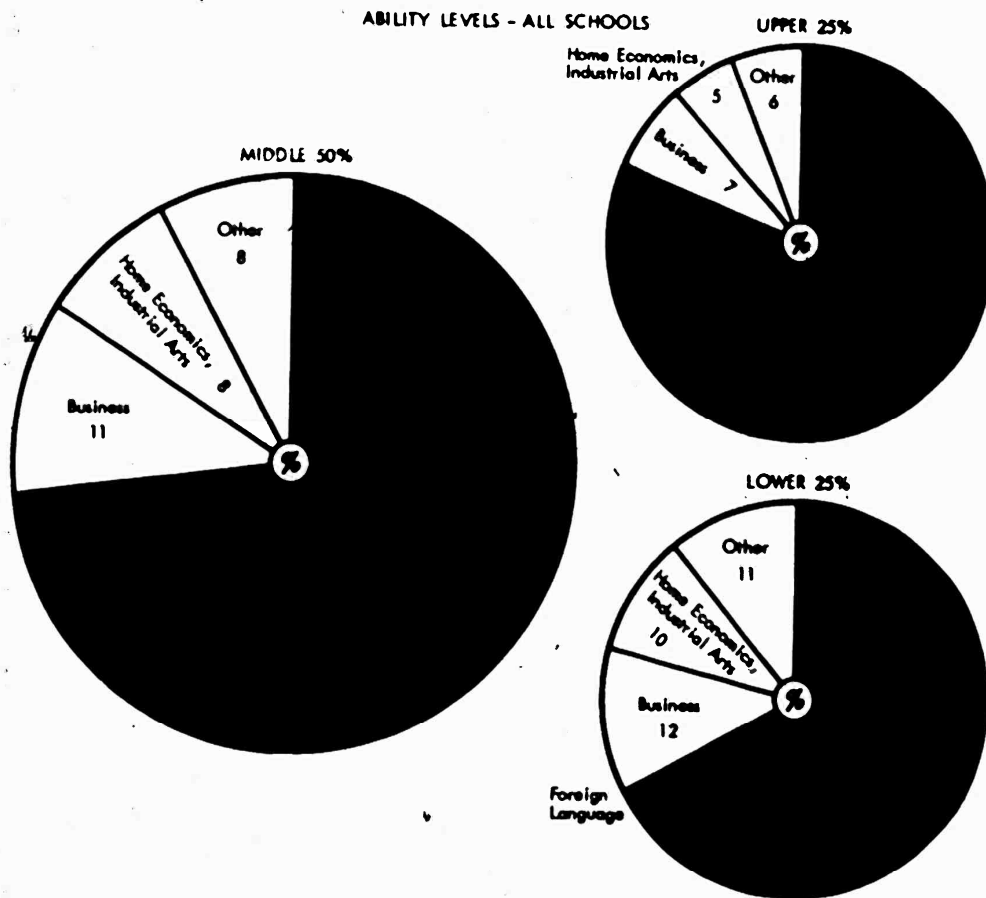
¹ Enrollment estimates based on sample survey.

² Data from Bureau of the Census, *Current Population Reports, Series P-25, No. 193*.

NOTE.—Data are for 48 States and D.C.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, Bulletin 1961, No. 5, *Offerings and Enrollments in Science and Mathematics in Public High Schools, 1958*.

Figure 2.—Proportion of public high school programs devoted to certain subject matter areas, by pupil ability level: United States, 1957-58



NOTE.—Data are for 48 States and the District of Columbia.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, Bulletin 1963, No. 10, *What High School Pupils Study*.

Table 11.—Percent of the school program devoted to major subject fields in grades 9–12 of nonpublic secondary schools, and estimated number of teachers, by subject field: United States, 1961–62

Subject field	Percent of school program devoted to subject field ¹	Estimated number of teachers, by subject field ²
All fields.....	100.0	59,000
English and language arts.....	16.5	9,700
Social sciences.....	14.4	8,500
Religion.....	12.8	7,550
Foreign languages.....	10.9	6,450
Mathematics.....	11.3	6,700
Science.....	8.5	5,000
Health and physical education.....	10.4	6,150
Business education.....	5.8	3,400
Music.....	5.6	3,300
Art.....	1.5	900
Home economics.....	1.1	650
Industrial arts.....	.7	400
All other.....	.5	300

¹ These percentages are based on the sum of all full-year enrollments plus one-half of the half-year enrollments for each subject included in each of the subject fields shown. Enrollment in subjects taught less than 5 days a week were accordingly reduced.

The enrollments used were reported in *Survey of Subject Offerings and Enrollments in Grades 9–12 of Nonpublic Secondary Schools, 1961–62* school year, to which 96.5 percent of the schools (including 96.7 percent of grades 9–12 nonpublic school enrollment) responded.

² The 1960–61 *Survey of Nonpublic Secondary Schools* counted almost 59,000 teachers. About 3 percent of this number represents secondary teachers in grades below grade 9; the Office of Education estimated that the number of both public and nonpublic teachers would increase by 3 percent from 1961 to 1962. Hence the estimated total of 59,000 nonpublic secondary teachers for 1961–62. The estimates of teachers for each subject field are based on a constant pupil-teacher ratio for all subjects. This ratio was 18.8 pupils per teacher in nonpublic high schools in 1960–61.

Table 12.—Enrollment in adult education classes offered by local public school systems, by field of instruction and enrollment-size group: United States, 1958-59

Field of instruction	Enrollment by size-group of school system ¹			
	All groups	Group I	Group II	Group III
All fields	2,421,000	1,455,000	370,000	1,596,000
Americanization and citizenship	171,000	121,000	17,400	32,100
Literacy education	47,500	42,100	1,820	3,580
Elementary education	38,000	26,800	5,030	6,140
High school academic education	411,000	279,000	39,900	91,700
Advanced academic education	50,800	9,020	10,600	30,900
Civic and public affairs	73,400	42,100	10,300	21,000
Personal development and group relationships	71,900	23,200	7,580	41,100
Family relationships	132,000	52,300	36,800	43,700
Homemaking and consumer education	459,000	152,000	47,600	259,000
Agricultural courses	106,000	1,900	6,240	97,700
Distributive education	88,600	61,400	11,800	15,700
Trade, industrial, and technical courses	580,000	298,000	54,500	298,000
Business education	372,000	153,000	50,900	169,000
Fine arts	167,000	39,700	15,500	112,000
Techniques in practical arts and crafts	281,000	77,500	21,900	182,000
Health and physical education	190,000	61,100	14,100	114,000
Safety and driver education	117,000	17,900	9,910	89,200
Remedial education	9,300	6,330	1,030	1,930
In-service training for professional persons	65,200	45,400	5,800	14,100
Other	11,100	4,680	1,580	4,890

¹ Group I includes school systems with elementary and secondary school enrollment of 25,000 and over; group II, school systems with elementary and secondary school enrollment of 12,000 to 24,999; group III, school systems with elementary and secondary school enrollment of 150 to 11,999.

NOTE.—Data are for 48 States and D.C. Detail will not necessarily add to totals because of rounding.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, Circular No. 660, *Statistics of Public School Adult Education, 1958-59*.

Table 13.—Enrollment in federally aided vocational classes, by type of program: United States and outlying parts, 1949-50 to 1962-63

School year	Total	Type of program					
		Agriculture	Distributive occupations	Home economics	Trades and industry	Practical nursing	Technical education
1949-50.....	3,364,613	764,975	364,670	1,430,866	804,602		
1950-51.....	3,363,412	771,028	341,440	1,458,605	792,330		
1951-52.....	3,165,968	746,402	294,984	1,391,399	763,213		
1952-53.....	3,100,139	755,293	206,012	1,327,265	808,549		
1953-54.....	3,164,851	737,502	220,619	1,380,147	826,583		
1954-55.....	3,314,255	776,138	235,355	1,431,808	870,954		
1955-56.....	3,413,189	785,599	257,025	1,496,816	863,719		
1956-57.....	3,521,555	774,850	279,903	1,507,940	951,761	7,101	
1957-58.....	3,629,339	775,892	282,558	1,550,822	983,644	27,423	
1958-59.....	3,701,121	757,223	310,591	1,585,860	968,114	30,789	48,564
1959-60.....	3,798,149	796,237	303,784	1,588,109	938,490	40,250	101,279
1960-61.....	3,855,564	805,322	306,083	1,610,334	963,009	47,264	122,952
1961-62 ¹	4,072,677	822,664	321,065	1,725,060	1,005,383	48,985	148,920
1962-63 ²	4,296,000	847,000	339,000	1,803,000	1,056,000	57,000	184,000

¹ Provisional data.

² Estimated by Office of Education.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, *Digest of Annual Reports of State Boards for Vocational Education*, and unpublished data.

Table 14.—Number and percent of public school pupils transported at public expense, and expenditures for transportation: United States, 1929-30 to 1959-60

School year	Total enrollment	Pupils transported at public expense		Expenditure of public funds	
		Number	Percent of total enrollment	Total, excluding capital outlay (in thousands)	Average cost per pupil transported
1929-30	26,878,015	1,902,826	7.4	\$34,823	\$28.81
1931-32	26,273,441	2,419,173	9.2	58,078	24.01
1933-34	26,434,193	2,794,724	10.6	53,908	19.29
1935-36	26,367,068	3,250,658	12.3	62,653	19.27
1937-38	25,975,108	3,789,242	14.6	75,637	20.07
1939-40	25,433,542	4,144,161	16.3	83,263	20.10
1941-42	24,562,473	4,503,081	18.3	92,922	20.64
1943-44	23,266,616	4,312,412	19.4	107,754	23.88
1945-46	23,299,941	5,056,996	21.7	129,756	25.66
1947-48	23,944,532	5,834,041	24.4	176,265	30.11
1949-50	23,111,427	6,947,384	27.7	214,504	30.88
1951-52	23,562,664	7,697,130	29.0	269,827	34.93
1953-54	23,643,871	8,411,719	32.8	307,437	36.55
1955-56	22,740,149	9,695,819	35.0	353,972	38.51
1957-58	22,722,275	10,861,689	36.5	416,491	38.34
1959-60	22,477,440	12,225,142	37.6	486,338	39.78

¹ Pupils in average daily attendance.

Source: U.S. Department of Health, Education, and Welfare, Office of Education, *Biennial Survey of Education in the United States*, chapters on State School Systems, and *Statistics of State School Systems: 1959-60*.

Table 15.—Number of full-time and part-time classroom teachers in full-time elementary and secondary day schools, by organizational level and by region and State: Fall 1962 and 1963

Region and State	Classroom teachers, 1962			Classroom teachers, 1963 ¹		
	Total	Elementary	Secondary	Total	Elementary	Secondary
United States and outlying parts	1,577,637	986,911	636,796	1,564,000	917,000	663,000
50 States and D.C.	1,511,841	969,913	612,339	1,548,000	907,000	661,000
NORTH ATLANTIC	372,965	203,764	169,221	387,000	208,000	179,000
Connecticut	20,945	12,528	8,417	22,000	13,000	9,000
Delaware	3,920	2,015	1,905	4,000	2,000	2,000
Maine	8,769	5,831	2,938	9,000	6,000	3,000
Maryland	26,331	13,582	12,749	28,000	14,000	14,000
Massachusetts	37,629	20,381	17,248	39,000	21,000	18,000
New Hampshire	4,749	2,857	1,892	5,000	3,000	2,000
New Jersey	50,942	31,127	19,815	54,000	32,000	22,000
New York	127,779	67,065	60,714	131,000	68,000	63,000
Pennsylvania	77,835	40,413	37,422	80,000	41,000	39,000
Rhode Island	5,779	2,949	2,830	6,000	3,000	3,000
Vermont	3,537	2,229	1,308	4,000	2,000	2,000
District of Columbia	4,770	2,787	1,983	5,000	3,000	2,000

See footnotes at end of table.

Table 15.—Number of full-time and part-time classroom teachers in full-time elementary and secondary day schools, by organizational level and by region and State: Fall 1962 and 1963—Continued

Region and State	Classroom teachers, 1962			Classroom teachers, 1963 ¹		
	Total	Elementary	Secondary	Total	Elementary	Secondary
GREAT LAKES AND PLAINS	438,806	264,360	174,446	453,000	268,000	185,000
Illinois.....	78,070	51,317	26,753	82,000	52,000	30,000
Indiana.....	39,779	22,174	17,555	41,000	22,000	19,000
Iowa.....	26,738	14,872	11,866	27,000	14,000	13,000
Kansas.....	21,175	14,128	7,047	22,000	15,000	7,000
Michigan.....	69,240	39,121	30,119	71,000	40,000	31,000
Minnesota.....	30,391	15,435	14,956	31,000	15,000	16,000
Missouri.....	432,553	21,687	10,866	33,000	22,000	11,000
Nebraska.....	14,416	8,728	5,688	15,000	9,000	6,000
North Dakota.....	4,887	4,080	2,807	7,000	4,000	3,000
Ohio.....	79,906	48,019	31,887	83,000	49,000	34,000
South Dakota.....	8,279	5,370	2,909	9,000	6,000	3,000
Wisconsin ²	31,472	19,479	12,043	32,000	20,000	12,000
SOUTHEAST	333,109	200,981	122,128	342,000	203,000	139,000
Alabama.....	26,933	14,565	12,846	27,000	15,000	12,000
Arkansas.....	13,880	8,695	7,185	14,000	9,000	7,000
Florida.....	41,727	22,453	19,274	44,000	23,000	21,000
Georgia.....	34,492	21,822	12,670	36,000	22,000	14,000
Kentucky.....	24,517	15,686	8,831	25,000	16,000	9,000
Louisiana.....	28,100	16,950	11,150	29,000	17,000	12,000
Mississippi.....	19,100	11,200	7,900	19,000	11,000	8,000
North Carolina.....	39,605	28,047	11,556	40,000	28,000	12,000
South Carolina.....	21,751	12,445	9,286	23,000	13,000	10,000
Tennessee.....	30,239	19,966	10,273	31,000	20,000	11,000
Virginia.....	35,426	20,501	14,925	37,000	21,000	16,000
West Virginia.....	13,339	8,611	6,728	15,000	8,000	7,000
WEST AND SOUTH- WEST	366,351	219,907	146,444	386,000	228,000	158,000
Alaska.....	2,190	1,565	625	3,000	2,000	1,000
Arizona.....	13,750	10,100	3,650	15,000	11,000	4,000
California.....	130,000	80,500	49,500	138,000	84,000	54,000
Colorado.....	18,613	10,547	8,266	20,000	11,000	9,000
Hawaii.....	5,132	3,079	2,053	5,000	3,000	2,000
Idaho.....	6,906	3,702	3,294	7,000	4,000	3,000
Montana.....	7,311	4,787	2,524	8,000	5,000	3,000
Nevada.....	3,264	1,941	1,323	4,000	2,000	2,000
New Mexico.....	9,437	5,157	4,280	10,000	6,000	5,000
Oklahoma.....	21,375	12,075	9,300	22,000	13,000	9,000
Oregon.....	18,443	11,400	7,243	19,000	11,000	8,000
Texas.....	89,721	52,963	36,758	93,000	55,000	38,000
Utah.....	9,432	5,123	4,309	10,000	5,000	5,000
Washington.....	26,368	14,615	11,553	28,000	15,000	13,000
Wyoming.....	3,919	2,153	1,766	4,000	2,000	2,000
Outlying parts	16,256	9,699	6,487	17,000	10,000	7,000
American Samoa.....	330	228	102	(*)	(*)	(*)
Canal Zone.....	459	254	205	(*)	(*)	(*)
Guam.....	547	298	249	(*)	(*)	(*)
Puerto Rico.....	14,748	8,962	5,786	15,000	9,000	6,000
Virgin Islands.....	302	157	145	(*)	(*)	(*)

- ¹ Estimated by Office of Education.
- ² Excludes kindergarten teachers.
- ³ Includes librarians and guidance personnel.
- ⁴ Data for 1961-62 school year.
- ⁵ Excludes vocational schools not operating as part of the regular public school system.
- ⁶ Less than 500.

SOURCE: U. S. Department of Health, Education, and Welfare, Office of Education, *Fall 1962 Enrollment, Teachers, and Schoolhousing in Full-Time Public Elementary and Secondary Day Schools*, and unpublished data.

Table 16.—Instructional staff in public elementary and secondary day schools, by type of position and by region and State: 1959-60

Region and State	Total instructional staff	Principals (including assistant principals)	Consultants or supervisors of instruction	Classroom teachers	Librarians	Guidance personnel	Psychological personnel	Other non-supervisory instructional personnel
United States	1,464,981	63,554	13,715	1,254,968	15,916	13,119	2,054	745
NORTH ATLANTIC	303,324	14,067	4,198	337,282	2,858	3,812	869	283
Connecticut.....	20,226	1,053	274	18,429	114	301	55	
Delaware.....	3,861	117	21	3,598	65	52	6	2
Maine.....	8,442	224		8,116		102		
Maryland.....	23,691	1,055	364	22,272	(1)	(1)	(1)	
Massachusetts.....	37,194	1,526	681	34,290	211	390	66	50
New Hampshire.....	4,450	181	23	4,187	13	46		
New Jersey.....	47,264	1,641	485	44,997				
New York.....	123,732	4,829	1,049	118,017	1,533	1,623	141	180
Pennsylvania.....	78,915	2,886	1,092	72,900	555	1,094	88	
Rhode Island.....	5,727	248	69	5,254	40	116		
Vermont.....	3,270	110	79	3,035	17	27		2
District of Columbia.....	4,532	197	61	4,197	10	61	22	4
GREAT LAKES AND PLAINS	429,559	17,747	3,441	400,304	4,086	3,347	461	173
Illinois.....	74,468	3,092	541	70,154	681			
Indiana.....	37,805	1,860	415	35,366	164	(1)	(1)	
Iowa.....	29,630	1,111	257	27,435	181	478	22	146
Kansas.....	22,449	1,330	(1)	21,119	(1)	(1)	(1)	
Michigan.....	65,502	2,571	495	60,394	1,049	876	117	
Minnesota.....	29,599	1,048	218	27,443	526	326	15	
Missouri.....	31,810	1,508	218	29,559	150	375		
Nebraska.....	14,345	429	122	13,622	70	68	7	27
North Dakota.....	7,709	413		6,984	159	110	3	
Ohio.....	76,947	3,283	788	71,618	527	604	127	
South Dakota.....	8,018	148	374	7,870				
Wisconsin.....	31,287	914		28,740	579	510	170	
SOUTH EAST	325,525	15,897	2,735	299,901	5,023	1,545	419	5
Alabama.....	27,836	1,000	152	26,684		(1)		
Arkansas.....	13,256	492	43	14,429	202	90		
Florida.....	38,665	1,494	251	35,249	875	405	391	(1)
Georgia.....	33,948	1,046	407	31,875	416	204		
Kentucky.....	24,788	954	225	22,822	590	162	5	
Louisiana.....	26,863	1,391	221	24,306	665	222		

Mississippi.....	18,753	1,248	65	17,095	269			76	
North Carolina.....	39,333	1,792	209	36,519	558			135	15
Tennessee.....	21,142	590	98	19,673	730			102	
Virginia.....	28,931	2,464	225	25,550	535			149	8
West Virginia.....	17,340	1,417	492	15,466	(*)			(*)	
WEST AND SOUTHWEST.....	345,623	13,843	3,401	317,471	3,849			4,415	305
Arizona.....	12,175	510	94	11,184	249			138	
California.....	122,150	6,259	1,707	111,703	845			1,295	(*)
Colorado.....	16,931	79		16,863				21	21
Idaho.....	6,536	304	41	5,906	148			137	
Montana.....	7,215	305	66	6,704	92			48	
Nevada.....	2,713	129	29	2,487	31			33	4
New Mexico.....	8,893	505	78	8,131	91			90	
Oklahoma.....	20,944	698	47	19,853	68			178	6
Oregon.....	17,217	902	201	15,423	241			450	(*)
Texas.....	84,949	3,485	660	78,966	1,125			603	
Utah.....	8,885	466	92	7,949	177			180	21
Washington.....	26,229	1,120	243	23,249	617			661	
Wyoming.....	3,913	162	55	3,610	42			44	
Alaska.....	1,795	83	11	1,672	15			14	
Hawaii.....	3,069	229		4,649	114			74	3
Outlying parts:									
American Samoa.....	287	3	14	268	1			1	
Canal Zone.....	413	17	5	379	6			4	
Guam.....	560	34	9	544	2			1	2
Puerto Rico.....	14,562	562	415	13,250	124			122	
Virgin Islands.....	242	12	6	220	2			2	89

* Data in each of the categories of nonsupervisory instructional staff are shown for those States reporting such information. In some States classroom teachers may include other nonsupervisory instructional personnel (librarians, guidance personnel, etc.) when such personnel have not been separately reported.

† Excludes home and hospital teachers.

‡ Includes personnel in other columns identified by footnote 4.

§ See footnote 3.

¶ Includes visiting teachers.

* Estimated by State.

† Includes 53 positions in laboratory schools operated by State universities.

‡ Includes attendance personnel.

§ Includes audiovisual personnel.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, *Statistics of State School Systems: 1959-60*.

Table 17.—Number of mathematics and science teachers in public secondary day schools, by periods taught per day: United States, fall 1961

Periods per day	Mathematics and science teachers		Periods per day	Mathematics and science teachers	
	Number	Percent		Number	Percent
Science.....	1 103, 000	100. 0	Mathematics.....	1 118, 398	100. 0
4 or more.....	64, 951	62. 7	4 or more.....	76, 512	64. 7
2-3.....	23, 334	22. 5	2-3.....	24, 347	20. 6
1.....	15, 381	14. 8	1.....	17, 439	14. 7

¹ Includes 22,215 teachers who taught both mathematics and science.

NOTE.—Data are for 50 States and D.C.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, unpublished data.

Table 18.—Estimated number of instructional staff members in regular nonpublic elementary and secondary day schools, by level and by region and State: 1961-62

State	Total	Elementary	Secondary
U.S. and outlying parts	217,000	147,500	69,500
50 States and D.C.	215,000	145,000	69,000
NORTH ATLANTIC	87,200	57,400	29,800
Connecticut.....	5,000	2,800	2,200
Delaware.....	800	500	300
Maine.....	1,500	800	700
Maryland.....	5,500	3,900	1,600
Massachusetts.....	10,100	6,100	4,000
New Hampshire.....	1,600	1,000	600
New Jersey.....	9,700	6,700	3,000
New York.....	29,200	20,700	8,500
Pennsylvania.....	20,000	12,700	7,300
Rhode Island.....	2,000	1,400	600
Vermont.....	800	400	400
District of Columbia.....	1,000	400	600
GREAT LAKES AND PLAINS	75,000	52,500	22,500
Illinois.....	18,700	13,500	5,200
Indiana.....	4,400	3,200	1,200
Iowa.....	3,800	2,400	1,400
Kansas.....	2,100	1,400	700
Michigan.....	9,700	6,300	3,400
Minnesota.....	6,100	4,200	1,900
Missouri.....	5,600	3,700	1,900
Nebraska.....	2,200	1,500	700
North Dakota.....	800	600	200
Ohio.....	12,100	8,500	3,600
South Dakota.....	800	600	200
Wisconsin.....	8,700	6,000	2,700
SOUTHEAST	21,800	14,600	7,200
Alabama.....	1,200	800	400
Arkansas.....	500	300	200
Florida.....	3,100	2,300	800
Georgia.....	1,300	800	500
Kentucky.....	3,400	2,100	1,300
Louisiana.....	5,000	3,900	1,100
Mississippi.....	800	500	300
North Carolina.....	800	600	200
South Carolina.....	700	500	200
Tennessee.....	1,700	900	800
Virginia.....	2,600	1,500	1,100
West Virginia.....	700	400	300
WEST AND SOUTHWEST	31,000	21,500	9,500
Alaska.....	200	100	100
Arizona.....	1,100	800	300
California.....	13,000	9,100	4,500
Colorado.....	2,200	1,600	600
Hawaii.....	1,800	1,100	500
Idaho.....	400	300	100
Montana.....	800	500	300
Nevada.....	100	100	(¹)
New Mexico.....	1,100	800	300
Oklahoma.....	700	500	200
Oregon.....	1,400	900	500
Texas.....	5,400	4,000	1,400
Utah.....	300	200	100
Washington.....	2,000	1,400	600
Wyoming.....	100	100	(¹)
Outlying parts	2,000	1,500	500
American Samoa.....	(¹)	(¹)	.....
Canal Zone.....	(¹)	(¹)	.....
Guam.....	.....	.....	.....
Puerto Rico.....	1,800	1,300	500
Virgin Islands.....	100	100	(¹)

¹ Less than 50.

SOURCE: Estimates by Office of Education based on U.S. Department of Health, Education, and Welfare, Office of Education publications. (1) *Statistics of Nonpublic Secondary Schools, 1960-61*, (2) *Enrollment, Teachers, and Schoolhousing in Full-time Public Elementary and Secondary Day Schools, Fall 1961*, (3) *Statistics of State School Systems: 1960-61*; and *Summary of Catholic Education 1960-61*, National Catholic Welfare Conference, Department of Education.

Table 19.—Estimated average annual salary of total instructional staff and of classroom teachers in full-time public elementary and secondary day schools, by State: 1962-63

State	Instructional staff	Classroom teachers		
		All levels	Elementary school	Secondary school
United States.....	\$4,949	\$4,735	\$4,599	\$4,995
Alabama.....	4,104	*3,988	*3,825	*4,180
Alaska.....	*7,400	7,350	*7,250	*7,600
Arizona.....	6,400	6,250	6,090	6,700
Arkansas ¹	3,900	3,737	3,565	3,940
California.....	7,500	7,000	6,750	7,550
Colorado.....	5,800	5,675	5,575	5,800
Connecticut.....	6,750	6,400	6,300	6,600
Delaware.....	6,375	6,110	5,890	6,350
District of Columbia.....	(²)	(²)	(²)	(²)
Florida.....	5,600	5,450	5,450	5,450
Georgia.....	4,740	4,637	4,611	4,637
Hawaii.....	6,070	5,810	5,753	5,850
Idaho.....	4,925	4,790	4,560	5,040
Illinois.....	6,535	6,360	*6,150	*6,850
Indiana.....	*6,300	*6,150	*5,975	*6,475
Iowa.....	5,312	5,176	4,820	5,850
Kansas.....	5,257	5,095	4,880	5,398
Kentucky.....	4,480	4,375	4,140	4,550
Louisiana.....	5,300	5,100	4,960	5,250
Maine.....	4,571	4,700	4,500	5,100
Maryland.....	6,413	6,165	*6,100	*6,225
Massachusetts.....	*6,200	*6,075	*5,935	*6,275
Michigan.....	6,544	6,444	6,444	6,444
Minnesota.....	5,900	5,700	5,475	5,950
Mississippi ⁴	3,700	3,610	3,480	3,790
Missouri.....	5,417	5,290	5,172	5,525
Montana.....	*5,275	*5,180	*4,850	*5,875
Nebraska.....	4,880	4,650	4,285	5,325
Nevada.....	6,401	6,270	*6,125	*6,525
New Hampshire.....	5,125	5,035	4,900	5,225
New Jersey.....	6,510	6,305	6,200	6,500
New Mexico.....	5,940	5,820	5,750	6,000
New York.....	7,250	6,950	6,700	7,235
North Carolina.....	5,175	4,975	4,915	5,695
North Dakota.....	4,425	4,375	3,950	4,900
Ohio.....	6,000	5,750	*5,525	*6,100
Oklahoma.....	5,260	5,175	5,125	5,250
Oregon.....	6,175	6,050	5,950	6,275
Pennsylvania.....	5,840	5,660	5,610	5,715
Rhode Island.....	6,100	6,000	5,925	6,100
South Carolina.....	4,200	4,150	*4,050	*4,300
South Dakota.....	4,000	3,950	3,665	4,725
Tennessee.....	4,363	4,300	4,150	4,585
Texas.....	5,455	5,300	5,220	5,420
Utah.....	5,350	5,205	*5,150	*5,275
Vermont.....	4,970	4,900	4,700	5,300
Virginia.....	5,100	4,950	4,850	5,100
Washington.....	6,460	6,245	6,090	6,445
West Virginia.....	4,600	4,475	4,215	4,825
Wisconsin.....	5,870	5,650	5,370	6,220
Wyoming.....	5,800	5,525	5,450	5,800

*See NOTE below.

¹ Adjusted to exclude employer contributions to teacher retirement and social security which are included in salaries reported by the State department of education.

² No estimate available.

³ Excludes salaries of kindergarten teachers.

⁴ Subject to possible increase by State legislature.

NOTE.—Instructional staff includes in addition to classroom teachers: principals, supervisors, librarians, guidance and psychological counselors, and related instructional workers. Superintendents on the one hand and building maintenance workers on the other are not included in instructional staff.

Estimates are based on reports from State departments of education and State education associations except for those marked with an asterisk, which are made by the N.E.A. Research Division on the basis of data from a variety of sources.

SOURCE: National Education Association, Research Division, *Estimates of School Statistics, 1962-63*.

Table 20.—Average annual salary of instructional staff¹ in full-time public elementary and secondary day schools, by region and State: 1949-50 and 1959-60

Region and State	Unadjusted dollars		Adjusted dollars (1959-60 purchasing power) ²	
	1949-50	1959-60	1949-50	1959-60
United States				
Personal income per member of labor force.....	\$3,400	\$5,415	\$4,218	\$5,415
Average annual salary of total instructional staff.....	3,010	5,174	3,735	5,174
NORTH ATLANTIC				
Connecticut.....	3,558	6,008	4,414	6,008
Delaware.....	3,273	5,800	4,061	5,800
Maine.....	2,115	3,694	2,624	3,694
Maryland.....	3,594	5,557	4,459	5,557
Massachusetts.....	3,338	5,545	4,141	5,545
New Hampshire.....	2,712	4,455	3,365	4,455
New Jersey.....	3,511	5,871	4,356	5,871
New York.....	3,706	6,537	4,598	6,537
Pennsylvania.....	3,006	5,308	3,730	5,308
Rhode Island.....	3,294	5,499	4,067	5,499
Vermont.....	2,348	4,466	2,913	4,466
District of Columbia.....	3,920	6,280	4,864	6,280
GREAT LAKES AND PLAINS				
Illinois.....	3,458	5,184	4,290	5,184
Indiana.....	3,401	5,342	4,220	5,342
Iowa.....	2,420	4,030	3,002	4,030
Kansas.....	2,628	4,450	3,261	4,450
Michigan.....	3,420	5,654	4,243	5,654
Minnesota.....	3,013	5,275	3,738	5,275
Missouri.....	2,581	4,536	3,202	4,536
Nebraska.....	2,292	3,876	2,844	3,876
North Dakota.....	2,324	3,695	2,883	3,695
Ohio.....	3,068	5,124	3,831	5,124
South Dakota.....	2,064	3,725	2,561	3,725
Wisconsin.....	3,007	4,870	3,731	4,870
SOUTHEAST				
Alabama.....	2,111	4,002	2,619	4,002
Arkansas.....	1,801	3,295	2,235	3,295
Florida.....	2,958	5,080	3,670	5,080
Georgia.....	1,963	3,904	2,435	3,904
Kentucky.....	1,936	3,327	2,402	3,327
Louisiana.....	2,963	4,978	3,701	4,978
Mississippi.....	1,416	3,314	1,757	3,314
North Carolina.....	2,688	4,178	3,335	4,178
South Carolina.....	1,891	3,450	2,346	3,450
Tennessee.....	2,302	3,929	2,856	3,929
Virginia.....	2,328	4,312	2,888	4,312
West Virginia.....	2,425	3,952	3,009	3,952
WEST AND SOUTHWEST				
Arizona.....	3,556	5,590	4,412	5,590
California.....	(³)	6,600	(³)	6,600
Colorado.....	2,821	4,997	3,500	4,997
Idaho.....	2,481	4,216	3,078	4,216
Montana.....	2,962	4,425	3,675	4,425
Nevada.....	3,209	5,693	3,961	5,693
New Mexico.....	3,215	5,382	3,989	5,382
Oklahoma.....	2,736	4,659	3,395	4,659
Oregon.....	3,323	5,535	4,123	5,535
Texas.....	3,122	4,708	3,873	4,708
Utah.....	3,103	5,096	3,850	5,096
Washington.....	3,487	5,643	4,326	5,643
Wyoming.....	2,798	4,937	3,471	4,937
Alaska ⁴	(³)	6,859	(³)	(³)
Hawaii.....	(³)	5,390	(³)	5,390
Outlying parts				
American Samoa.....	(³)	852	(³)	(³)
Canal Zone.....	(³)	6,034	(³)	(³)
Guam.....	(³)	4,107	(³)	(³)
Puerto Rico.....	(³)	2,360	(³)	(³)
Virgin Islands.....	(³)	3,407	(³)	(³)

¹ Footnotes at top of next page.

Footnotes for table 20.

- ¹ Includes supervisors, principals, teachers, and other instructional staff.
- ² Based on Consumer Price Index published by Bureau of Labor Statistics, U.S. Department of Labor.
- ³ Estimated by Office of Education.
- ⁴ Includes clerical assistants to instructional personnel.
- ⁵ Includes attendance personnel.
- ⁶ Includes administrators.
- ⁷ Excludes vocational schools not operated as part of the regular public school system.
- ⁸ Excludes kindergarten teachers.
- ⁹ Data not available.
- ¹⁰ Because of the high cost of living in Alaska, salary data for this State cannot readily be compared with those for other States.

NOTE.—Data for 1949-50 are for 48 States and D.C.; data for 1959-60 include Alaska and Hawaii.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, *Statistics of State School Systems: 1959-60*.

Table 21.—Average annual salary per member of instructional staff in public elementary and secondary schools, and average annual earnings per full-time employee working for wages or salary in all industries, in unadjusted dollars and in stable dollars (1959-60 purchasing power): United States, 1929-30 to 1959-60

School year	Unadjusted dollars		Stable dollars (1959-60 purchasing power) ¹	
	Salary per member of instructional staff	Earnings per full-time employee working for wages or salary ²	Salary per member of instructional staff	Earnings per full-time employee working for wages or salary
1929-30.....	\$1,420	\$1,386	\$2,437	\$2,378
1931-32.....	1,417	1,198	2,888	2,442
1933-34.....	1,227	1,070	2,734	2,375
1935-36.....	1,283	1,160	2,744	2,481
1937-38.....	1,374	1,244	2,821	2,554
1939-40.....	1,441	1,282	3,080	2,696
1941-42.....	1,507	1,576	2,842	2,972
1943-44.....	1,728	2,030	2,917	3,437
1945-46.....	1,965	2,272	3,214	3,660
1947-48.....	2,639	2,692	3,325	3,362
1949-50.....	3,010	2,930	3,735	3,636
1951-52.....	3,450	3,322	3,857	3,714
1953-54.....	3,825	3,628	4,177	3,962
1955-56.....	4,156	3,942	4,543	4,309
1957-58.....	4,702	4,276	4,834	4,366
1959-60.....	5,174	4,632	5,174	4,632

¹ Adjusted by use of Consumer Price Index, U.S. Department of Labor, Bureau of Labor Statistics.

² Calendar-year data from the U.S. Department of Commerce have been converted to a school-year basis by averaging the two appropriate calendar years in each case.

SOURCES: U.S. Department of Health, Education, and Welfare, Office of Education, *Biennial Survey of Education in the United States*, chapters on State School Systems, and *Statistics of State School Systems: 1949-60*; and U.S. Department of Commerce, Office of Business Economics, *Survey of Current Business*, July 1962, *U.S. Income and Output*, and *National Income*, 1964 edition.

Table 22.—Number of public school systems and number of pupils enrolled, by enrollment-size group: United States, 1961-62

Enrollment size (number of pupils)	School systems ¹		Pupils enrolled	
	Number	Percent	Number (in thousands)	Percent
All sizes	37,019	100.0	37,906	100.0
25,000 or more	132	0.4	9,045	26.3
12,000 to 24,999	266	.7	4,327	11.4
6,000 to 11,999	671	1.8	5,542	14.7
3,000 to 5,999	1,498	4.0	6,279	16.6
1,800 to 2,999	1,684	4.6	3,900	10.3
1,200 to 1,799	1,587	4.3	2,330	6.2
600 to 1,199	3,157	8.5	2,702	7.1
300 to 599	3,486	9.4	1,805	4.0
150 to 299	2,081	8.3	672	1.8
50 to 149	4,214	11.4	387	1.0
15 to 49	6,561	17.8	173	.5
1 to 14	4,631	12.5	44	.1
None ²	6,081	16.3		

¹ Includes school districts and also school systems operated as a part of a State, county, municipal, or township government, or as an agency of a group of school district governments.

² Systems not operating schools.

NOTE.—Data are for 50 States and D.C.

SOURCE: U.S. Department of Commerce, Bureau of the Census, *Census of Governments: 1962, Governmental Organization*, Vol. I.

Table 23.—Number of local basic administrative units (school districts), and number of public and nonpublic elementary and secondary schools: United States, 1929-30 to 1961-62

School year	Public school systems				Nonpublic schools ¹	
	School districts ²	Elementary schools		Secondary schools	Elementary	Secondary
		Total	1-teacher			
1929-30.....	(³)	238,306	149,282	23,930	9,275	3,258
1931-32.....	127,531	232,730	143,391	26,409	9,734	3,289
1933-34.....	(³)	236,236	139,166	24,714	9,992	3,327
1935-36.....	(³)	232,174	131,101	25,652	9,992	3,327
1937-38.....	119,001	221,660	121,178	25,467	9,992	3,327
1939-40.....	117,108	(³)	113,000	(³)	11,306	3,568
1941-42.....	115,493	183,112	107,692	25,123	10,285	3,011
1943-44.....	111,383	169,905	96,302	28,973	10,285	3,011
1945-46.....	101,382	160,237	86,563	24,314	9,863	3,294
1947-48.....	94,926	146,760	75,096	25,484	10,071	3,292
1949-50.....	83,718	126,236	59,652	24,542	10,375	3,331
1951-52.....	71,094	123,763	50,742	23,746	10,666	3,322
1953-54.....	63,057	110,875	42,865	25,637	11,739	3,913
1955-56.....	54,859	104,427	34,964	23,046	12,372	3,867
1957-58.....	47,594	95,466	25,341	25,307	13,065	3,994
1959-60.....	40,520	91,853	20,213	25,784	13,574	4,061
1961-62.....	35,500	82,000	13,600	26,100	14,623	4,180

¹ Data for most years are partly estimated.

² Includes operating and nonoperating districts.

³ Data not available.

⁴ Estimated from preliminary data.

NOTE.—Beginning in 1959-60, includes Alaska and Hawaii.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, *Biennial Survey of Education in the United States*, chapters on Statistical Summary of Education; *Statistics of State School Systems, 1959-60*; and unpublished data.

Table 24.—Number and percent of public secondary schools, by type of school: United States, 1919-20 to 1958-59

School year	Total	Type of school			
		Traditional ¹	Junior ²	Senior ³	Junior-senior ⁴
1919-20:					
Number	14,326	13,421	55	22	828
Percent	100.0	93.7	0.4	0.1	5.8
1929-30:					
Number	22,237	16,460	1,842	648	3,287
Percent	100.0	74.0	8.3	2.9	14.8
1937-38:					
Number	25,057	15,523	2,372	959	6,203
Percent	100.0	61.9	9.5	3.8	24.8
1945-46:					
Number	24,122	13,797	2,653	1,312	6,360
Percent	100.0	57.2	11.0	5.4	26.4
1951-52:					
Number	23,746	10,168	3,227	1,700	8,651
Percent	100.0	42.8	13.6	7.4	36.2
1958-59:					
Number	24,190	6,024	4,906	3,040	10,120
Percent	100.0	24.9	20.6	12.6	41.9

¹ Includes 4-year high schools preceded by 8-year elementary schools. No reorganization has taken place.

² Includes 2-year and 3-year junior high schools.

³ Includes 3-year and 4-year senior high schools preceded by junior high schools.

⁴ Includes 5-year and 6-year high schools.

NOTE.—Data are for 48 States and D.C.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, *Statistics of Education in the United States, 1958-59 Series, Number 1, Public Secondary Schools.*

Table 25.—Instruction rooms available, completed, abandoned, and needed in full-time public elementary and secondary day schools, by region and State: 1961-63

Region and State	Available, beginning 1961-62 school year	Completed during 1961-62 school year	Abandoned during 1961-62 school year	Available, beginning 1962-63 school year (2+3-4)	Additional instruction rooms needed (as of fall 1962)		Scheduled for completion during 1962-63 (not available for fall 1962)
					Total	To accommodate date excess enrollment		To replace unsatisfactory facilities^{1}
1	3	3	4	5	6	7	9
United States ¹	1,303,967	71,967	18,139	1,437,806	131,285	99,645	86,898
NORTH ATLANTIC.....	319,306	18,291	4,091	330,506	31,524	18,524	12,260
Connecticut.....	18,391	1,213	228	19,306	964	615	900
Delaware.....	3,468	99	8	3,564	199	84	277
Maine.....	7,844	628	369	8,108	787	449	256
Maryland.....	20,745	1,484	82	22,157	2,088	1,031	1,320
Baltimore.....	4,116	1,188	11	4,263	1,385	1,031	282
Massachusetts.....	34,184	1,976	408	36,782	2,263	1,447	1,421
Boston.....	3,960	81	60	3,941	7	7	23
New Hampshire.....	4,325	305	117	4,513	224	162	153
New Jersey.....	40,209	2,048	554	42,312	3,913	2,103	810
New York.....	102,981	3,783	622	105,112	11,716	8,782	3,784
New York City.....	31,894	2,772	35	32,681	(²) 7,644	2,485	1,284
Pennsylvania.....	73,818	2,900	1,015	78,108	681	3,944	1,681
Philadelphia.....	8,415	84	61	8,441	267	140	29
Rhode Island.....	4,996	98	15	5,074	227	192	184
Vermont.....	3,325	98	63	3,260	320	192	23
District of Columbia.....	4,075	74	.....	4,149	513	584	145
GREAT LAKES AND PLAINS.....	401,776	21,776	8,116	418,436	23,964	16,862	15,182
Illinois.....	68,706	2,946	972	71,679	7,181	3,282	2,406
Chicago.....	14,082	1,217	403	14,896	8,009	2,288	2,919
Indiana.....	34,671	1,893	962	37,162	2,776	1,462	1,336
Iowa.....	24,668	1,013	99	26,562	1,094	786	600
Kansas.....	22,987	1,000	480	23,547	840	704	630
Michigan.....	68,709	2,533	400	71,642	8,319	3,079	2,640
Detroit.....	8,239	218	22	8,435	2,210	1,226	2,223
Minnesota.....	28,998	1,533	213	30,013	2,442	1,291	989
Missouri.....	31,723	1,825	274	33,273	3,231	1,317	1,564
St. Louis.....	3,149	10	7	3,162	257	257	10
Nebraska.....	14,180	675	345	14,470	1,426	767	669
North Dakota.....	6,288	521	340	6,867	814	182	363
Ohio.....	72,139	4,506	781	77,684	3,729	2,329	3,120
Cleveland.....	4,694	173	18	4,882	198	87	119
South Dakota.....	8,029	403	211	8,221	686	411	284
Wisconsin.....	27,967	1,968	439	29,196	1,797	862	1,208
Milwaukee.....	3,370	166	10	3,526	1,87	87	94

	317,530	14,747	4,972	327,305	34,751	16,511	18,250	13,836
SOUTHEAST								
Alabama.....	26,505	1,570	505	27,570	1,960	1,410	560	1,604
Arkansas.....	15,024	1,607	215	18,413	2,736	960	2,046	561
Florida.....	35,086	2,310	335	37,031	4,465	2,494	1,971	1,789
Georgia.....	34,067	1,701	272	35,066	3,950	2,597	1,353	1,909
Kentucky.....	27,966	1,263	676	29,622	4,119	1,428	2,691	1,081
Louisiana.....	27,752	1,700	148	29,334	2,108	1,777	1,381	1,106
New Orleans.....	3,015	8		3,023	3,363	215	178	131
Mississippi.....	18,152	1,367	731	19,788	1,124	406	670	1,144
North Carolina.....	40,933	1,679	436	42,176	3,894	1,959	1,937	1,144
South Carolina.....	19,630	876	445	20,061	1,504	850	654	368
Tennessee.....	29,361	1,073	362	30,072	2,122	961	1,161	1,442
Virginia.....	20,794	2,010	603	22,191	3,535	2,294	1,571	1,961
West Virginia.....	16,641	491	241	16,991	2,942	725	2,217	1,320
WEST AND SOUTHWEST								
Alaska.....	345,266	20,173	3,960	361,478	20,696	8,756	11,938	17,560
Arizona.....	1,944	194	54	1,984	317	186	122	98
California.....	10,272	700	85	10,887	699	349	350	618
Los Angeles.....	124,000	8,000	1,000	132,000	2,000	1,000	1,000	8,000
San Francisco.....	17,449	761	200	18,090	323	233	90	887
Colorado.....	3,439	72		3,501	35	35		119
Hawaii.....	15,777	1,257	444	16,540	1,674	1,060	614	736
Idaho.....	5,263	265	47	5,601	566	186	408	468
Montana.....	6,294	303	112	6,575	764	332	432	248
Nevada.....	7,073	335	163	7,245	423	215	208	268
New Mexico.....	8,435	416	28	8,844	227	161	66	237
Oklahoma.....	24,071	1,300	106	25,069	969	378	494	360
Oregon.....	16,743	740		17,181	2,068	780	1,338	1,180
Texas.....	82,680	4,282	167	84,556	8,324	416	408	894
Houston.....	6,343	578	407	6,981	6,705	1,635	5,071	2,674
Utah.....	8,257	522	131	8,648	864	328	200	200
Washington.....	26,906	1,267	404	28,708	2,410	1,471	939	1,514
Wyoming.....	3,618	1,213	63	3,965	2,235	1,75	160	88
Outlying parts								
American Samoa.....	280	19		299	194		194	194
Canal Zone.....	422	28		450	23	23		23
Guam.....	549	66		467	257	137	120	4
Puerto Rico.....	12,646	521	148	12,929	4,696	4,039	596	627
Virgin Islands.....	210	52		262	99	64	35	47

NOTE.—Data for the large cities (shown directly below their respective States) are already included in the State totals.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, Circular No. 703, Fall 1967 Statistics on Enrollments, Teachers, and School/Accommodating in Full-Time Public Elementary and Secondary Day Schools.

† Exclusive of need reported in column 7.
 ‡ Totals, while shown to the last digit, are not in fact precise to that degree but merely represent the sum of unrounded and rounded figures furnished by the various States.
 § Data not available.
 ¶ Incomplete; excludes data for school districts with less than four teachers.
 †† Excludes vocational schools not operated as part of the regular public school system.



Table 26.—Selected characteristics of instructional rooms in public school plants, by State: Spring 1962

[Percent are of total instructional rooms]

State	All instructional rooms in public school plants	Permanent type instructional rooms by completion date and combustibility						Instructional rooms in—					
		Before 1920 and combustible		After 1920 and combustible		Non-combustible, before 1920		Non-permanent buildings		Off-site facilities			
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
United States	1,478,649	51,477	3.5	168,686	7.0	188,766	12.8	21,206	2.1	4,804	0.4		
Alabama	29,431	1,050	3.6	6,741	22.9	1,103	3.7	501	1.7	169	0.6		
Alaska	1,813	15	0.8	518	28.6	28	1.5	28	2.0	20	1.1		
Arizona	12,787	151	1.2	471	3.7	1,183	9.2	616	4.8	45	0.4		
Arkansas	15,450	371	2.4	2,247	14.6	1,179	7.6	473	3.0	122	0.8		
California	119,619	1,563	1.3	32,036	26.8	2,135	2.6	10,196	8.5	256	0.2		
Colorado	17,057	1,086	6.4	1,660	9.7	2,060	12.1	263	2.3	81	0.5		
Connecticut	20,622	877	4.3	1,128	5.5	3,434	16.7	150	0.7	50	0.2		
Delaware	3,847	26	0.7	63	1.7	28	0.7	26	0.7	9	0.2		
District of Columbia	4,521	5	0.1	5	0.1	967	21.4	48	1.1	2	0.0		
Florida	37,016	406	1.1	2,064	5.6	2,096	5.6	2,109	5.7	214	0.6		
Georgia	34,175	644	1.9	4,110	11.4	1,615	4.6	371	0.9	105	0.3		
Hawaii	3,766	346	9.2	2,097	55.4	1,114	29.6	240	6.4	16	0.4		
Idaho	6,972	320	4.6	714	10.2	1,276	18.3	141	2.0	69	1.0		
Illinois	73,136	3,926	5.4	4,631	6.3	13,358	18.3	415	0.6	122	0.2		
Indiana	39,350	924	2.4	1,470	3.7	8,997	22.9	326	0.8	133	0.3		
Iowa	27,542	1,692	6.1	2,250	8.2	7,080	25.9	213	0.8	215	0.8		
Kansas	24,564	737	3.0	1,271	5.2	3,665	14.9	619	2.5	91	0.4		
Kentucky	24,373	872	3.6	2,620	10.7	2,228	9.1	1,054	4.1	226	0.9		
Louisiana	29,409	446	1.5	4,128	14.0	1,490	5.0	549	1.9	33	0.1		
Maine	8,744	1,113	12.7	2,980	34.1	1,367	15.9	54	0.6	41	0.5		
Maryland	23,769	863	3.6	1,566	6.7	1,766	7.4	296	1.3	86	0.4		
Massachusetts	33,767	2,473	7.3	3,424	10.1	8,174	24.2	107	0.3	106	0.3		
Michigan	63,686	2,994	4.7	3,649	5.7	6,750	10.6	411	0.6	186	0.3		
Minnesota	20,678	2,128	10.3	3,015	14.6	5,520	26.7	299	1.4	168	0.8		
Mississippi	19,615	127	0.6	1,996	9.6	534	2.7	246	1.3	79	0.4		

Missouri	33,213	1,045	2,303	6.9	5,512	16.6	323	1.0	104	3
Montana	7,091	665	1,479	19.2	1,231	14.3	85	1.1	64	8
Nebraska	15,572	1,852	2,904	18.6	3,679	23.6	168	1.1	41	3
Nevada	2,952	86	2,238	8.1	2,038	7.0	22	7		
New Hampshire	4,784	520	703	14.7	780	16.3	8	2	21	4
New Jersey	44,921	1,173	1,968	3.6	9,812	21.8	102	2	237	5
New Mexico	9,915	64	502	5.1	394	4.0	579	5.8	33	3
New York	116,461	1,765	2,375	2.0	19,331	16.6	350	3	707	7
North Carolina	44,214	722	4,874	11.0	1,685	4.4	275	6	59	1
North Dakota	7,206	844	1,313	18.2	1,968	19.0	150	2.1	93	1.3
Ohio	78,078	1,183	1,407	1.8	15,437	19.8	708	9	419	6
Oklahoma	26,214	327	1,964	7.8	2,413	9.5	873	3.4	55	3
Oregon	18,214	781	7,403	40.6	1,023	5.6	168	9	41	3
Pennsylvania	78,286	2,999	4,343	5.5	16,232	20.7	437	6	328	4
Rhode Island	5,629	553	734	13.0	987	16.1	26	5	5	1
South Carolina	22,192	371	1,922	8.7	1,068	4.7	296	1.3	51	2
South Dakota	8,863	1,430	2,256	25.4	1,287	14.5	221	2.5	100	1.1
Tennessee	31,148	1,047	5,640	18.1	1,676	5.4	260	8	48	2
Texas	88,427	615	5,397	6.1	5,949	6.7	4,004	4.5	265	3
Utah	9,961	876	1,194	12.0	1,615	16.2	94	9	48	5
Vermont	3,533	649	983	27.3	629	17.8	66	1.9	35	1.0
Virginia	33,754	1,394	3,779	11.2	2,551	7.6	463	1.4	177	8
Washington	27,826	887	4,713	16.9	2,378	8.5	1,201	4.3	134	3
West Virginia	17,003	1,627	3,909	22.4	2,149	12.6	204	1.7	46	3
Wisconsin	29,384	2,965	3,571	12.2	3,868	13.2	133	5	80	3
Wyoming	4,463	111	406	9.1	3,347	7.7	54	1.2	15	3

¹ Includes 25,872 (1.8 percent) improvised or makeshift instructional rooms.

² Includes improvised or makeshift instructional rooms in permanent buildings.

³ Less than one-tenth of 1 percent.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, National Inventory of School Facilities and Personnel for Resources Evaluation and Damage Assessment.

Table 27.—Number of additional rooms needed for instructional use by varying measures of pupil accommodation, by State: Spring 1962

State	Number of additional rooms needed to reduce maximum class size to—		
	25 elementary school pupils, 20 secondary	27.6 elementary school pupils, 26.3 secondary (1962 median)	30 elementary school pupils, 30 secondary
United States	371, 871	117, 489	65, 979
Alabama.....	7, 267	3, 388	1, 953
Alaska.....	172	45	24
Arizona.....	2, 530	1, 207	750
Arkansas.....	3, 497	1, 686	1, 063
California.....	35, 506	18, 518	11, 748
Colorado.....	3, 014	1, 250	673
Connecticut.....	2, 103	764	404
Delaware.....	422	142	85
District of Columbia.....	1, 162	584	351
Florida.....	11, 634	5, 646	3, 336
Georgia.....	8, 440	4, 108	2, 333
Hawaii.....	1, 233	471	239
Idaho.....	1, 182	457	246
Illinois.....	11, 295	5, 363	3, 270
Indiana.....	7, 020	2, 862	1, 512
Iowa.....	2, 310	807	452
Kansas.....	1, 842	691	379
Kentucky.....	5, 128	2, 367	1, 415
Louisiana.....	4, 800	2, 267	1, 326
Maine.....	979	383	174
Maryland.....	6, 391	2, 800	1, 520
Massachusetts.....	5, 315	2, 200	1, 329
Michigan.....	13, 495	5, 593	3, 025
Minnesota.....	3, 507	1, 206	607
Mississippi.....	5, 410	2, 334	1, 310

Table 27.—Number of additional rooms needed for instructional use by varying measures of pupil accommodation, by State: Spring 1962—Continued

State	Number of additional rooms needed to reduce maximum class size to—		
	25 elementary school pupils, 20 secondary	27.6 elementary school pupils, 26.3 secondary (1962 median)	30 elementary school pupils, 30 secondary
Missouri.....	5,105	2,167	1,171
Montana.....	764	291	161
Nebraska.....	1,277	546	310
Nevada.....	457	175	82
New Hampshire.....	479	158	65
New Jersey.....	6,945	2,550	1,319
New Mexico.....	1,982	887	548
New York.....	17,776	6,523	3,465
North Carolina.....	7,800	3,119	1,460
North Dakota.....	595	296	222
Ohio.....	12,752	4,812	2,346
Oklahoma.....	3,482	1,544	929
Oregon.....	1,622	827	94
Pennsylvania.....	15,370	5,551	2,862
Rhode Island.....	985	364	194
South Carolina.....	6,558	3,190	1,629
South Dakota.....	483	186	110
Tennessee.....	6,357	2,453	1,103
Texas.....	14,173	6,029	3,370
Utah.....	2,256	993	499
Vermont.....	229	80	45
Virginia.....	6,766	2,874	1,457
Washington.....	4,910	2,006	1,113
West Virginia.....	3,684	1,421	688
Wisconsin.....	3,232	1,023	463
Wyoming.....	282	73	41

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, *National Inventory of School Facilities and Personnel for Resource Evaluation and Damage Assessment*. Special computations by George J. Collins, Chief, Elementary-Secondary Education Surveys Section.

88 **Table 28.—Facilities in elementary and secondary school plants,¹ by organizational level and control: United States, spring 1962**

(Numbers in thousands, unless indicated otherwise)

Item	Public schools					Nonpublic schools			
	Total	Organizational level of school plant			Not reported ²	Total	Organizational level of school plant ³		
		Elementary only	Combined elementary-secondary	Secondary only			Elementary only	Combined elementary-secondary	Secondary only
1	2	3	4	5	6	7	8	9	10
General-use facilities in permanent school buildings.....	191	99	42	49	1	34	20	7	7
Centralized school library.....	47	23	12	12	.....	8	5	2	2
Auditorium.....	23	10	5	7	.....	5	3	1	1
Cafeteria or lunchroom.....	39	20	9	10	.....	7	4	1	2
Gymnasium.....	24	8	6	11	.....	2	1	1	1
Gym-auditorium.....	19	10	6	4	.....	3	2	1	1
Cafeteria-auditorium.....	11	9	1	1	.....	2	1	.....	.....
Cafeteria-gymnasium.....	2	1	.....	.....	.....	.....	.....	.....	.....
Cafeteria-gym-auditorium.....	7	6	1	1	.....	1	1	.....	.....
Other multipurpose room.....	19	12	3	4	.....	6	4	1	1
Instructional rooms (classrooms, shops, laboratories).....	1,601	770	283	438	10	188	108	39	40
In permanent school buildings.....	1,464	747	278	429	10	180	103	38	39
Rooms designed (or remodeled) as instructional rooms.....	1,436	732	271	423	10	173	99	37	38
Improvised or makeshift rooms.....	28	15	7	6	.....	7	4	1	1
In nonpermanent buildings on site.....	31	20	4	8	.....	5	3	1	1
In off-site buildings.....	6	3	2	1	.....	3	2	1	1
Instructional rooms in permanent school buildings, total.....	1,464	747	278	429	10	180	103	38	39
Date of completion:									
Before 1920.....	238	148	40	50	.....	42	23	11	9
1920-29.....	242	115	52	75	1	29	16	7	6
1930-39.....	161	66	44	51	.....	14	7	3	3
1940-49.....	104	54	27	23	.....	16	10	3	3
1950-59.....	513	272	86	133	1	59	37	9	12
1960-spring 1962.....	157	74	23	59	1	16	9	3	4
Not reported, or under construction ¹	48	17	5	19	6	4	2	1	1

Permanent school buildings and additions.....

	171	104	34	31	1	23	14	5	4
Fire-resistive rating: ¹									
Fire-resistive.....	76	42	15	18	1	12	8	2	2
Semi-fire-resistive.....	48	28	11	8		7	4	1	1
Combustible.....	40	30	6	4		3	2	1	1
Mixed, or not reported.....	7	4	1	1		2	1		
Date of completion:									
Before 1920.....	30	23	4	3		5	3	1	1
1920-29.....	24	15	5	4		3	2	1	1
1930-39.....	20	11	6	4		2	1		
1940-49.....	17	9	5	3		3	2		
1950-59.....	58	34	12	12		8	5	1	1
1960-spring 1962.....	17	9	3	4		2	1		
Not reported, or under construction ²	5	2	1	1		1			
Number of stories:									
One.....	114	74	23	17	1	10	7	2	1
More than one.....	54	29	11	14		13	8	3	3
Not reported.....	2	1							
Outside wall material:									
Wood.....	28	22	4	2		3	2	1	1
Masonry.....	124	71	28	24	1	18	11	4	3
Other, or not reported.....	19	11	2	6		2	1		
Framing:									
Wood.....	58	41	10	6	1	6	3	1	1
Steel.....	43	23	9	11		8	5	1	1
Masonry.....	52	31	12	8		6	4	1	1
Other, or not reported.....	19	9	3	6		3	2		
School plants.....	93	67	12	13	1	14	10	2	2
Day school membership, March 30, 1962 (in millions).....	37.1	20.1	6.4	10.6		6.2	3.5	0.9	0.8
Kindergarten and nursery.....	2.0	1.8	2			.2	1		
Elementary.....	21.7	18.3	3.4	8		3.9	3.4	.5	.8
Secondary ³	13.4		2.8	10.6		1.1			

¹ A school plant is defined as a site and buildings constituting the physical facilities used by a single school or by two or more schools sharing the use of common facilities: A plant with 90 percent or more of its membership at the elementary level is an elementary plant; similarly for a secondary plant.

² Plants with level not reported are mostly under construction, or serve predominantly the kindergarten or junior college level. The figures are included in the public and nonpublic totals, but are too small to show separately for the nonpublic schools (70 general-use facilities, 500 instructional rooms, 60 buildings and additions, 30 school plants, and 1,100 membership).

³ Data incomplete for buildings under construction.

⁴ Fire-resistive is defined as a building constructed entirely of fire-resistive materials;

or a building with fire-resistive walls and partitions, floors, stairways, and ceilings. Semi-fire-resistive is defined as a building with fire-resistive exterior and bearing walls; and fire-resistive corridor and stairway walls, floors, and ceilings. Combustible is defined as an all-frame building; a building with fire-resistive veneer on wood frame; or one with fire-resistive bearing walls, but otherwise of combustible construction.

⁵ Includes 70,000 day membership of junior colleges sharing buildings during the day.

NOTE.—Detail may not add to totals because of rounding.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, National Inventory of School Facilities and Personnel for Resource Allocation and Damage Assessment.



Table 29.—Number of public high school graduates, by sex and by region and State: 1961-62

Region and State	Total	Boys	Girls
United States	1,684,176	838,788	845,388
NORTH ATLANTIC	410,817	199,313	211,504
Connecticut.....	21,941	10,271	11,670
Delaware.....	4,026	1,965	2,061
Maine.....	8,655	4,304	4,351
Maryland.....	26,438	13,007	13,431
Baltimore.....	5,445	2,738	2,707
Massachusetts.....	45,826	22,739	23,087
Boston.....	3,612	1,853	1,759
New Hampshire.....	4,896	2,420	2,476
New Jersey.....	50,977	24,725	26,252
New York.....	131,741	62,709	69,032
New York City.....	49,285	23,262	26,023
Pennsylvania.....	103,037	50,797	52,240
Rhode Island.....	6,448	3,068	3,380
Vermont.....	3,315	1,658	1,657
District of Columbia.....	3,517	1,630	1,887
GREAT LAKES AND PLAINS	496,538	247,677	248,861
Illinois.....	82,739	41,162	41,577
Chicago.....	18,383	8,824	9,559
Indiana.....	46,825	23,927	22,898
Iowa.....	30,081	15,047	15,034
Kansas.....	24,715	12,709	12,006
Michigan.....	75,323	36,908	38,415
Detroit.....	11,997	5,756	6,241
Minnesota.....	38,340	19,040	19,300
Missouri.....	40,174	20,222	19,952
St. Louis.....	3,375	1,657	1,718
Nebraska.....	14,469	7,300	7,169
North Dakota.....	7,604	3,739	3,865
Ohio.....	86,681	42,830	43,851
Cleveland.....	4,587	2,215	2,372
South Dakota.....	8,186	4,117	4,069
Wisconsin.....	41,401	20,676	20,725
Milwaukee.....	4,544	2,217	2,327
SOUTHEAST	362,481	173,274	189,207
Alabama.....	30,455	15,006	15,449
Arkansas.....	19,328	9,681	9,647
Florida.....	42,882	21,055	21,827
Georgia.....	36,014	16,868	19,146
Kentucky.....	23,759	11,548	12,211
Louisiana.....	28,492	13,442	15,050
New Orleans.....	3,401	1,494	1,907
Mississippi.....	22,094	10,895	11,199
North Carolina.....	48,068	22,592	25,476
South Carolina.....	23,929	11,337	12,592
Tennessee.....	33,701	16,170	17,531
Virginia.....	34,232	15,235	18,997
West Virginia.....	19,527	9,445	10,082
WEST AND SOUTHWEST	416,290	208,504	207,786
Alaska.....	1,424	732	692
Arizona.....	12,499	6,259	6,240
California.....	166,500	83,500	83,000
Los Angeles.....	26,454	13,307	13,147
San Francisco.....	4,311	2,144	2,167
Colorado.....	17,867	8,879	8,988
Hawaii.....	7,793	3,899	3,894
Idaho.....	8,722	4,411	4,311
Montana.....	7,413	3,773	3,640
Nevada.....	2,638	1,332	1,306
New Mexico.....	8,971	4,486	4,485
Oklahoma.....	27,052	13,759	13,293

Table 29.—Number of public high school graduates, by sex and by region and State: 1961-62—Continued

Region and State	Total	Boys	Girls
WEST AND SOUTHWEST—Continued			
Oregon.....	20,127	10,117	10,010
Texas.....	86,818	42,836	43,982
Houston.....	6,806	3,094	3,711
Utah.....	12,130	6,167	5,963
Washington.....	33,223	16,346	16,877
Wyoming.....	3,913	2,008	1,905
Outlying parts			
American Samoa ¹	122	86	36
Canal Zone.....	641	313	328
Guam.....	419	214	205
Puerto Rico.....	15,610	7,323	8,287
Virgin Islands.....	212	103	109

¹ Distribution by sex estimated by Office of Education.

² Estimated by State.

³ Includes persons granted high school equivalency certificates.

NOTE.—Data for the large cities (shown directly below their respective States) are already included in the State totals.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, Circular No. 703, Fall 1962 Statistics on Enrollment, Teachers, and Schoolhousing in Full-Time Public Elementary and Secondary Day Schools.

Table 30.—Number of high school graduates compared with population 17 years of age: United States, 1869-70 to 1961-62

School year	Population 17 years old ²	High school graduates ¹			Number graduated per 100 persons 17 years of age
		Total	Boys	Girls	
1869-70.....	815,000	16,000	7,064	8,936	2.0
1879-80.....	946,026	23,634	10,605	13,029	2.5
1889-90.....	1,250,177	43,731	18,549	25,182	3.5
1899-1900.....	1,490,146	94,883	38,075	56,808	6.4
1909-10.....	1,785,240	156,429	63,676	92,753	8.8
1919-20.....	1,855,173	311,206	123,064	187,662	16.8
1929-30.....	2,296,822	666,904	300,376	366,528	29.0
1939-40.....	2,403,074	1,221,475	578,718	642,757	50.8
1941-42.....	2,425,574	1,242,375	576,717	665,658	51.2
1943-44.....	2,410,389	1,019,233	423,971	595,262	42.3
1945-46.....	2,254,738	1,080,033	466,926	613,107	47.9
1947-48.....	2,202,827	1,189,909	562,863	627,046	54.0
1949-50.....	2,034,450	1,199,700	570,700	629,000	59.0
1951-52.....	2,040,800	1,196,500	569,200	627,300	58.6
1953-54.....	2,128,600	1,276,100	612,500	663,600	60.0
1955-56.....	2,270,000	1,414,800	679,500	735,300	62.3
1957-58.....	2,324,000	1,505,900	725,500	780,400	64.8
1959-60.....	2,862,005	1,864,000	898,000	966,000	65.1
1961-62 ³	2,762,000	1,930,000	940,000	990,000	69.9

¹ Includes graduates of public and nonpublic schools.

² Data from the Bureau of the Census.

³ Preliminary data.

NOTE.—Beginning in 1959-60, includes Alaska and Hawaii.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, *Biennial Survey of Education in the United States*, chapters on Statistical Summary of Education; and unpublished data available in the Office of Education

Table 31.—Percentage distribution of estimated revenue receipts of full-time public elementary and secondary day schools from Federal, State, local, and other sources, by State: 1962-63

State	Estimated revenue receipts		Percentage distribution		
	Amount	Percent	Federal	State	Local and other ¹
United States.....	\$18,548,161	100.0	3.6	39.4	57.0
Alabama.....	*198,000	100.0	*6.0	*66.7	*27.3
Alaska.....	35,000	100.0	24.9	55.7	19.4
Arizona.....	158,000	100.0	7.3	35.7	57.0
Arkansas.....	117,152	100.0	8.5	45.9	45.6
California.....	2,450,000	100.0	3.5	39.8	56.7
Colorado.....	218,000	100.0	4.6	24.3	71.1
Connecticut.....	288,500	100.0	2.2	35.4	62.4
Delaware.....	53,500	100.0	3.0	81.1	15.9
District of Columbia.....	66,435	100.0	13.7	.....	86.3
Florida ²	*435,829	100.0	*3.9	*53.0	43.1
Georgia.....	304,720	100.0	4.9	66.4	28.7
Hawaii.....	66,500	100.0	8.3	66.2	25.5
Idaho.....	58,491	100.0	3.8	32.4	63.8
Illinois.....	951,471	100.0	2.8	19.8	77.4
Indiana.....	*472,000	100.0	*3.6	*30.7	*65.7
Iowa.....	251,000	100.0	2.0	12.5	85.5
Kansas.....	243,750	100.0	4.1	20.8	75.1
Kentucky.....	203,000	100.0	4.4	58.2	37.4
Louisiana.....	298,000	100.0	2.0	68.5	29.5
Maine.....	77,600	100.0	5.7	24.7	69.6
Maryland.....	316,700	100.0	5.5	35.9	58.6
Massachusetts.....	401,500	100.0	4.9	24.1	71.0
Michigan.....	883,230	100.0	2.7	42.8	54.5
Minnesota.....	431,000	100.0	2.6	37.1	60.3
Mississippi.....	*138,400	100.0	5.8	60.0	34.2
Missouri.....	349,000	100.0	2.6	34.9	62.5
Montana.....	82,000	100.0	4.9	23.2	71.9
Nebraska.....	117,000	100.0	4.3	6.0	89.7
Nevada.....	37,100	100.0	7.8	53.1	39.1
New Hampshire.....	47,922	100.0	5.2	6.7	88.1
New Jersey.....	681,000	100.0	2.3	22.8	74.9
New Mexico.....	102,402	100.0	11.5	76.7	11.8
New York.....	2,172,000	100.0	1.7	44.2	54.1
North Carolina.....	358,000	100.0	5.0	69.8	25.2
North Dakota.....	62,100	100.0	5.8	25.0	69.2
Ohio.....	1,109,000	100.0	2.4	22.7	74.9
Oklahoma.....	205,000	100.0	8.3	28.3	63.4
Oregon.....	229,800	100.0	4.4	29.5	66.1
Pennsylvania.....	1,045,866	100.0	3.0	42.0	55.0
Rhode Island.....	68,603	100.0	4.4	26.4	69.2
South Carolina.....	169,100	100.0	7.4	65.6	27.0
South Dakota.....	61,900	100.0	9.0	11.8	79.2
Tennessee.....	232,000	100.0	4.1	55.0	40.9
Texas.....	924,000	100.0	3.1	52.3	44.6
Utah ³	113,790	100.0	4.8	48.6	46.6
Vermont.....	32,400	100.0	2.9	22.2	74.9
Virginia.....	330,100	100.0	6.1	40.9	53.0
Washington.....	359,500	100.0	4.9	62.0	33.1
West Virginia.....	132,000	100.0	4.5	55.3	40.2
Wisconsin.....	368,500	100.0	2.8	23.9	73.3
Wyoming.....	40,100	100.0	2.7	42.4	54.9

*See NOTE below.

¹ Includes revenue receipts from local and intermediate sources, and gifts and tuition and fees from patrons.

² In collecting this information no special effort was made to include the money value of commodities distributed under the School Lunch Program. It is possible that many States have not included such moneys in reporting Federal revenue receipts.

³ Includes receipts for public junior colleges.

⁴ Federal funds for vocational education and NEA program have been included as State revenue.

⁵ Original figure adjusted by NEA Research Division to exclude income from the sale of meals.

⁶ Includes funds of city and county governments for debt service for school buildings amounting to \$19,000,000.

⁷ Original figures for revenue receipts have been adjusted by NEA Research Division to include funds for school lunch program not covered by the sale of meals.

NOTE.—Estimates are based upon reports from State departments of education and State education associations except for those marked with an asterisk, which are made by the NEA Research Division upon the basis of data from a variety of sources.

SOURCE: National Education Association, Research Division, *Estimates of School Statistics, 1962-63*.

Table 32.—Percentage distribution of revenue receipts of public elementary and secondary schools from Federal, State, intermediate, local, and other sources, by region and State: 1959-60

Region and State	Total revenue receipts		Percentage distribution by source				
	Amount †	Percent	Federal	State	Inter-mediate (county, etc.)	Local	Other
United States	14,744,618	100.0	4.4	39.1	2.6	53.4	0.5
NORTH ATLANTIC	4,124,044	100.0	3.2	35.9	(?)	60.9	.1
Connecticut.....	228,117	100.0	3.1	34.6	0	62.1	.1
Delaware.....	51,786	100.0	2.1	82.5	0	15.3	(?)
Maine.....	60,717	100.0	5.9	25.8	0	68.1	.1
Maryland.....	257,535	100.0	7.0	34.2	0	58.2	.5
Massachusetts.....	318,194	100.0	5.3	19.9	0	74.7	.1
New Hampshire.....	37,595	100.0	5.9	6.3	0	87.5	.3
New Jersey.....	536,975	100.0	2.5	23.7	.1	73.7	0
New York.....	1,652,179	100.0	1.9	39.5	0	58.5	.1
Pennsylvania.....	849,588	100.0	3.0	45.8	.1	51.2	0
Rhode Island.....	49,488	100.0	6.5	23.2	0	70.3	0
Vermont.....	27,594	100.0	3.5	24.7	(?)	70.8	1
District of Columbia.....	54,307	100.0	14.4	0	0	85.6	0
GREAT LAKES AND PLAINS	4,214,348	100.0	3.3	28.1	3.1	65.0	.6
Illinois.....	817,148	100.0	2.5	20.7	.1	76.6	.2
Indiana.....	367,149	100.0	3.0	29.9	3.0	63.9	.1
Iowa.....	206,352	100.0	4.1	12.0	1.3	82.1	.5
Kansas.....	202,247	100.0	5.2	19.2	16.6	59.0	0
Michigan.....	757,094	100.0	2.8	43.2	.9	51.8	1.3
Minnesota.....	321,278	100.0	3.0	39.7	3.5	53.0	.8
Missouri.....	277,310	100.0	4.4	31.0	6.9	57.5	.3
Nebraska.....	102,423	100.0	4.6	6.5	9.2	79.1	.6
North Dakota.....	54,718	100.0	6.0	26.4	27.1	40.5	0
Ohio.....	740,991	100.0	3.1	27.7	.1	68.2	.9
South Dakota.....	54,591	100.0	9.0	8.9	20.0	61.3	.9
Wisconsin.....	311,046	100.0	2.9	22.6	2.5	71.9	.1
SOUTHEAST	2,407,851	100.0	6.8	58.2	2.1	31.9	1.1
Alabama.....	186,497	100.0	7.5	65.3	0	18.1	9.1
Arkansas.....	96,290	100.0	8.9	45.9	0	45.1	.1
Florida.....	345,244	100.0	5.2	56.5	0	37.8	.5
Georgia.....	240,659	100.0	7.4	64.0	0	28.2	.4
Kentucky.....	150,818	100.0	7.1	45.8	0	46.6	.6
Louisiana.....	274,559	100.0	4.2	70.2	0	25.5	(?)
Mississippi.....	137,326	100.0	7.0	56.5	1.7	34.3	.5
North Carolina.....	278,901	100.0	6.0	66.7	0	25.9	1.5
South Carolina.....	143,976	100.0	7.7	66.6	0	25.7	0
Tennessee.....	188,333	100.0	6.9	58.0	25.0	9.7	.4
Virginia.....	241,688	100.0	11.0	37.0	0	51.7	.3
West Virginia.....	123,561	100.0	4.9	52.9	0	42.0	.2
WEST AND SOUTHWEST	4,000,375	100.0	5.5	42.6	5.1	46.5	.4
Arizona.....	130,707	100.0	10.8	34.1	5.4	49.3	.4
California.....	1,861,007	100.0	3.8	40.6	2.1	53.5	0
Colorado.....	166,833	100.0	6.5	19.5	18.4	54.9	.6
Idaho.....	54,473	100.0	8.5	27.7	10.6	52.8	.4
Montana.....	68,342	100.0	8.0	23.6	22.0	46.3	0
Nevada.....	29,823	100.0	8.6	51.3	0	40.1	0
New Mexico.....	92,519	100.0	14.0	74.4	7.6	4.0	0
Oklahoma.....	184,539	100.0	8.5	27.7	20.5	43.2	(?)
Oregon.....	180,928	100.0	4.1	29.3	25.5	41.1	(?)
Texas.....	726,478	100.0	5.2	49.9	.3	43.0	1.6
Utah.....	93,118	100.0	5.4	44.1	0	50.4	.1
Washington.....	300,313	100.0	4.9	61.6	3.7	29.8	0
Wyoming.....	35,622	100.0	4.7	47.5	4.4	42.1	1.2
Alaska.....	25,261	100.0	28.2	50.8	0	20.9	.1
Hawaii.....	50,412	100.0	16.1	66.0	0	17.9	0
Outlying parts							
American Samoa.....	377	100.0	97.3	0	0	0	2.7
Canal Zone.....	8,924	100.0	100.0	0	0	0	0
Guam.....	3,668	100.0	4.8	0	0	95.2	0
Puerto Rico.....	74,653	100.0	15.4	0	0	83.7	.9
Virgin Islands.....	2,237	100.0	14.8	0	0	85.2	0

Footnotes on next page.

Table 33.—Public elementary and secondary school revenue receipts from Federal, State, intermediate, and local sources: United States, 1919-20 to 1961-62

School year	Total	Federal	State	Intermediate	Local ¹
AMOUNT IN THOUSANDS OF DOLLARS					
1919-20.....	\$970,120	\$2,475	\$160,065	\$110,814	\$696,747
1929-30.....	2,068,557	7,334	353,670	216,747	1,510,806
1939-40.....	2,260,527	39,810	684,354	151,097	1,385,266
1941-42.....	2,416,580	34,305	759,993	150,223	1,472,059
1943-44.....	2,604,322	35,886	859,183	146,243	1,563,010
1945-46.....	3,059,845	41,378	1,062,057	185,097	1,771,312
1947-48.....	4,311,534	120,270	1,676,362	229,761	2,285,141
1949-50.....	5,437,044	155,848	2,165,689	328,849	2,786,658
1951-52.....	6,423,816	227,711	2,478,596	386,812	3,330,696
1953-54.....	7,866,852	355,237	2,944,103	240,733	4,326,779
1955-56.....	9,686,677	441,442	3,828,886	209,377	5,206,973
1957-58.....	12,181,513	480,484	4,800,368	275,463	6,619,198
1959-60.....	14,746,618	651,639	5,768,047	382,870	7,944,062
1961-62 ⁴	17,483,120	781,495	6,760,723	507,010	9,433,892
PERCENTAGE DISTRIBUTION					
1919-20.....	100.0	0.3	16.5	11.4	71.8
1929-30.....	100.0	.4	16.9	10.4	72.3
1939-40.....	100.0	1.8	30.3	6.7	61.3
1941-42.....	100.0	1.4	31.5	6.2	60.9
1943-44.....	100.0	1.4	33.0	5.6	60.0
1945-46.....	100.0	1.4	34.7	6.0	57.8
1947-48.....	100.0	2.8	38.9	5.3	53.0
1949-50.....	100.0	2.9	39.8	6.0	51.3
1951-52.....	100.0	3.5	38.6	6.0	51.8
1953-54.....	100.0	4.5	37.4	3.1	55.0
1955-56.....	100.0	4.6	39.5	2.2	53.7
1957-58.....	100.0	4.0	39.4	2.3	54.3
1959-60.....	100.0	4.4	39.1	2.6	53.9
1961-62 ⁴	100.0	4.5	38.7	2.9	54.0

¹ Includes a relatively minor amount from other sources (transportation fees and tuition from patrons, and gifts) which accounted for 0.5 percent of total revenue receipts in 1959-60.

² Data not comparable with those before 1953-54 because of reclassification of items comprising "intermediate" and "local."

³ Revised since originally published.

⁴ Estimated.

NOTE.—Beginning in 1959-60, includes Alaska and Hawaii. Because of rounding, detail may not add to totals.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, *Statistics of State School Systems: 1959-60*; and unpublished data.

Footnotes for table 32.

¹ In thousands of dollars.

² Less than 0.05 percent.

³ Includes receipts not handled by custodians of school funds.

⁴ Includes an unknown amount for transfer between school districts.

⁵ Incomplete. Amount of local funds provided by the villages not available.

NOTE.—Because of rounding, detail may not add to totals.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, *Statistics of State School Systems: 1959-60*.

Table 34.—Estimated total and current expenditures for public elementary and secondary education, by State: 1962-63

(In thousands)

State	Current expenditures for public elementary and secondary day schools	Total expenditures ¹	State	Current expenditures for public elementary and secondary day schools	Total expenditures ¹
United States.....	\$15,454,404	\$19,543,093	Missouri.....	360,000	376,500
Alabama ²	189,500	206,225	Montana.....	67,000	81,850
Alaska.....	29,550	34,337	Nebraska.....	99,400	130,700
Arizona.....	140,000	181,000	Nevada.....	³ 34,300	49,555
Arkansas.....	108,341	134,934	New Hampshire.....	³ 42,971	53,836
California.....	1,828,000	2,680,000	New Jersey.....	590,000	721,000
Colorado.....	180,044	235,644	New Mexico.....	96,379	117,829
Connecticut.....	249,000	298,300	New York.....	1,762,800	2,265,800
Delaware.....	42,830	62,475	North Carolina.....	315,000	375,400
District of Columbia.....	55,277	68,157	North Dakota.....	52,800	67,825
Florida.....	³ 358,796	468,532	Ohio.....	817,400	1,050,400
Georgia.....	265,045	312,545	Oklahoma.....	176,225	215,525
Hawaii.....	54,500	63,500	Oregon.....	189,235	223,535
Idaho.....	50,583	64,084	Pennsylvania.....	571,000	945,500
Illinois.....	883,762	1,094,992	Rhode Island.....	59,700	67,825
Indiana.....	378,675	465,575	South Carolina.....	133,000	155,700
Iowa.....	238,000	294,500	South Dakota.....	58,500	65,450
Kansas.....	190,350	259,650	Tennessee.....	206,410	247,140
Kentucky.....	163,500	185,800	Texas.....	773,000	957,000
Louisiana.....	259,002	308,502	Utah.....	³ 86,760	114,570
Maine.....	65,000	80,865	Vermont.....	27,500	32,645
Maryland.....	267,200	376,000	Virginia.....	262,100	357,250
Massachusetts.....	406,875	³ 455,075	Washington.....	312,400	396,800
Michigan.....	737,100	973,000	West Virginia.....	122,000	136,000
Minnesota.....	330,000	430,000	Wisconsin.....	325,500	407,300
Mississippi.....	³ 116,800	162,300	Wyoming.....	41,275	48,825

¹ Includes current expenditures for public elementary and secondary day schools; current expenditures for community services, summer schools, community colleges, and adult education; interest; and capital outlay, including expenditures of State and local school building authorities.

² Estimated by NEA Research Division.

³ Original figures were adjusted by NEA Research Division.

SOURCE: National Education Association, Research Division, *Estimates of School Statistics, 1963-63*.

46 Table 35.—Summary of expenditures for public elementary and secondary schools, by purpose and by region and State: 1959-60
 [In thousands of dollars]

Region and State	Total expenditures, all schools	Current expenditures										Capital outlay	Interest on school debt
		Full-time elementary and secondary day schools											
		Adminis- tration ¹	Instruction	Operation of plant	Main- tenance of plant	Fixed charges	Other school services ²	Other programs ³	9	10	11		
1	2	3	4	5	6	7	8	9	10	11			
United States.....	815,813,355	858,468	88,569,738	81,664,686	6432,866	8989,838	81,683,397	8122,568	682,881,768	6489,814			
NORTH ATLANTIC.....	4,316,471	143,090	2,320,057.4	314,368	111,960	361,365	291,037	36,517	594,676	180,814			
Connecticut.....	231,407	6,865	131,460	17,140	4,823	13,010	13,028	1,301	26,994	8,177			
Delaware.....	55,667	2,061	22,924	3,455	1,268	2,921	2,921	26	20,962	1,221			
Maine.....	69,674	2,000	32,888	5,323	1,787	2,949	5,330	136	7,129	945			
Maryland.....	268,560	3,546	146,285	16,264	8,221	16,861	17,169	2,180	63,233	10,472			
Massachusetts.....	368,907	30,710	228,237	31,721	10,252	11,357	32,041	2,187	42,311	(9)			
New Hampshire.....	41,114	1,647	21,465	3,062	1,116	2,470	3,836	46	6,990	968			
New Jersey.....	696,007	18,415	302,940	41,468	17,144	45,443	23,703	3,499	116,780	19,314			
New York.....	1,742,717	80,453	892,064	114,561	26,010	171,894	116,094	21,921	271,272	65,818			
Pennsylvania.....	797,498	42,281	460,751	69,074	23,023	78,126	59,228	5,675	13,075	41,262			
Rhode Island.....	53,035	1,797	32,764	4,739	1,666	2,264	2,426	162	2,157	2,031			
Vermont.....	28,144	1,315	15,788	2,369	804	1,712	2,164	56	2,276	681			
District of Columbia.....	52,752	899	20,412	5,011	2,420	4,978	1,997	1,317	8,818	.....		
GREAT LAKES AND PLAINS.....	4,516,511	150,881	2,378,733	264,826	123,314	222,467	377,059	37,446	825,192	126,563			
Illinois.....	846,734	32,161	445,426	63,226	21,786	39,079	42,172	2,119	147,856	32,910			
Indiana.....	263,626	7,776	219,996	30,546	10,820	18,817	29,815	2,161	67,574	8,829			
Iowa.....	235,678	12,064	128,099	20,332	6,962	10,244	19,897	1,687	20,798	6,430			
Kansas.....	216,003	5,445	108,718	15,578	5,668	6,718	12,268	6,030	54,237	2,301			
Michigan.....	811,975	24,226	402,404	70,228	19,263	48,712	42,000	12,096	169,273	26,559			
Minnesota.....	342,448	11,796	172,917	20,457	6,523	15,269	28,316	4,200	67,180	13,622			
Missouri.....	300,749	11,264	162,244	22,981	9,236	12,268	22,435	2,527	47,568	8,204			
Nebraska.....	112,836	4,699	60,251	8,464	3,496	4,121	6,661	964	21,449	2,743			
North Dakota.....	796,964	25,076	424,614	64,572	1,198	2,199	5,966	75	12,206	1,198			
Ohio.....	53,855	2,740	32,242	4,720	2,647	52,065	29,077	4,199	124,857	27,965			
South Dakota.....	332,980	11,400	169,828	25,780	10,972	10,412	25,223	1,47	64,968	10,022			
Wisconsin.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

	2,526,593	67,285	1,417,687	177,021	66,598	126,940	242,847	20,828	392,982	64,462
SOUTHEAST										
Alabama.....	191,166	3,460	121,251	7,065	3,915	13,060	22,249	300	18,454	1,280
Arkansas.....	100,548	4,928	53,216	5,782	2,169	5,784	12,017	247	12,943	2,462
Florida.....	367,207	7,949	211,179	19,051	9,849	8,980	19,810	4,637	77,432	8,962
Georgia.....	286,764	6,719	143,618	12,791	5,830	14,928	24,270	2,643	20,042	3,963
Kentucky.....	148,286	5,375	87,039	9,280	7,294	19,528	19,260	2,993	11,298	1,234
Louisiana.....	298,618	8,082	141,206	11,413	7,294	21,177	41,120	2,773	53,908	11,298
Mississippi.....	148,791	2,856	68,879	6,780	3,528	6,087	14,921	4,113	41,872	2,786
North Carolina.....	294,744	6,496	173,763	12,320	8,540	14,931	22,038	1,128	47,787	7,820
South Carolina.....	136,686	4,280	77,184	7,712	4,039	9,088	13,806	1,029	14,445	4,275
Tennessee.....	214,459	5,915	121,205	11,737	4,108	10,805	21,384	963	37,229	1,515
Virginia.....	266,942	7,216	149,607	15,582	7,571	7,182	20,340	1,756	52,731	5,056
West Virginia.....	122,484	3,872	71,370	8,549	5,287	8,480	11,615	676	11,286	1,799
WEST AND SOUTHWEST										
Alaska.....	4,263,661	167,263	2,294,260	278,821	121,084	208,642	222,325	34,778	848,966	187,678
Arizona.....	24,196	1,467	13,370	2,671	567	898	1,649	30	2,904	620
California.....	120,667	4,751	75,459	9,301	4,256	2,705	7,861	19,809	22,024	3,619
Colorado.....	2,021,625	81,480	1,012,275	134,305	57,867	105,980	99,061	2,912	451,170	68,738
Hawaii.....	189,508	6,065	92,871	12,070	4,769	10,923	10,872	1,261	44,033	8,802
Idaho.....	48,768	1,697	29,810	2,870	2,229	2,268	2,987	1,261	2,788	1,249
Illinois.....	52,527	1,807	29,810	4,313	1,329	757	4,708	185	8,496	1,209
Montana.....	64,071	3,818	34,681	5,656	2,140	2,702	4,261	137	6,001	2,266
Nevada.....	32,641	854	17,037	2,283	949	1,145	1,482	315	4,120	1,418
New Mexico.....	88,902	3,553	50,988	5,962	563	4,963	7,704	436	1,063	1,063
Oklahoma.....	185,751	7,711	106,096	12,009	5,234	7,625	13,507	315	31,066	3,089
Oregon.....	185,229	7,276	104,968	14,742	6,001	9,134	12,150	2,084	28,986	3,843
Texas.....	787,092	23,667	432,464	41,181	18,620	37,080	42,565	2,084	117,267	31,594
Utah.....	97,490	2,384	49,261	5,948	3,320	4,208	4,503	781	25,169	1,785
Washington.....	319,248	9,356	162,563	28,282	11,868	18,747	18,222	6,277	63,343	10,705
Wyoming.....	44,844	1,866	21,137	2,725	1,310	1,981	3,217	.....	13,761	908
Outlying parts										
American Samoa.....	.....	46	268	1	.....	.....	.....	7	.....	.....
Canal Zone.....	.....	168	2,731	265	186	226	111	261	4,981	.....
Guam.....	.....	107	2,591	245	68	.....	.....	160	1,463	.....
Puerto Rico.....	.....	2,042	36,939	3,224	961	3,613	7,996	4,536	4,536	.....
Virgin Islands.....	.....	164	1,043	63	56	78	256	274	85	.....

¹ Includes expenditures for administration at all levels.

² Includes attendance services, health services, pupil transportation, food services, and extracurricular activities.

³ Incomplete for some States. Includes community services, summer schools, adult education, and community colleges.

⁴ Not included in this table are capital outlays by State and local school building authorities which amounted to a total of \$181 million. States reporting such expenditures were: Georgia—\$1,473,000; Indiana—\$1,000,000; Kentucky—\$13,109,000; and Pennsylvania—\$120,900,000.

⁵ Data not available.

⁶ Excludes data for vocational schools not operated as part of the regular public school system.

⁷ Incomplete; excludes expenditures by villages.

NOTE.—Because of rounding, detail may not add to totals.

SOURCE: Department of Health, Education, and Welfare, Office of Education, *Statistics of State School Systems, 1969-70*.

Table 36.—Summary of expenditures for public elementary and secondary education, by purpose: United States, 1919-20 to 1961-62

Purpose of expenditure	School year									
	1919-20	1929-30	1939-40	1949-50	1953-54	1955-56	1967-68	1969-70	1961-62 (estimated)	
Total expenditures, all schools.....	1,699,151	3,316,759	3,344,949	4,837,843	7,344,387	9,693,449	19,944,917	13,469,163	14,613,345	19,196,009
Current expenditures, all schools.....	904,367	1,853,377	1,945,108	4,722,888	8,782,506	9,883,387	8,332,182	10,374,494	12,461,955	14,628,000
Public elementary and secondary schools.....	901,120	1,843,562	1,941,799	4,687,274	8,722,162	9,790,923	8,281,620	10,281,943	12,329,389	14,481,000
Administration.....	34,782	78,080	91,571	229,080	265,636	310,996	372,956	443,326	528,408	677,000
Instruction.....	632,546	1,317,777	1,403,285	3,112,340	3,781,837	4,552,349	8,501,921	6,900,999	8,350,738	9,710,000
Plant operation.....	115,707	216,072	194,368	427,687	508,575	622,671	742,739	924,342	1,065,036	1,263,000
Plant maintenance.....	30,682	78,810	73,321	214,164	248,871	294,871	319,580	378,127	422,586	472,000
Fixed charges.....	9,286	50,270	261,499	261,499	341,601	446,232	531,363	715,033	909,328	1,120,000
Other school services.....	36,367	101,963	126,141	451,963	578,839	573,785	772,551	890,118	1,039,267	1,296,000
Summer schools.....	(1)	(1)	(1)	(1)	(1)	1,080	2,833	4,554	12,293	17,000
Adult education.....	2,277	9,826	14,367	36,614	30,632	42,033	30,554	26,749	26,558	30,000
Community colleges.....	(1)	(1)	(1)	(1)	(1)	23,363	31,688	40,492	34,692	34,000
Community services.....	(1)	(1)	(1)	(1)	(1)	28,378	36,968	40,856	57,953	64,000
Capital outlay.....	153,643	370,878	287,974	1,014,178	1,477,332	2,066,178	2,387,187	2,852,747	2,661,786	2,877,000
Interest.....	18,212	92,636	130,909	100,578	114,310	153,684	218,999	341,922	490,514	601,000

AMOUNT IN THOUSANDS OF DOLLARS

PERCENTAGE DISTRIBUTION

	199.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Total expenditures, all schools.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Current expenditures, all schools.....	83.4	80.0	83.4	78.3	78.7	76.2	76.5	79.8	80.8	80.0
Public elementary and secondary schools.....	83.1	79.6	82.8	77.9	74.7	75.3	75.6	79.0	80.0	80.0
Administration.....	3.8	2.4	3.9	3.6	3.4	3.4	3.3	3.4	3.4	3.7
Instruction.....	61.0	66.9	60.9	61.6	60.1	60.2	60.9	63.5	61.6	61.6
Plant operation.....	11.2	9.3	8.3	4.9	6.8	6.9	6.9	6.9	7.0	7.0
Plant maintenance.....	2.9	3.4	3.1	3.4	3.1	2.9	2.8	2.7	2.6	2.6
Fixed charges.....	0.9	2.2	2.1	4.7	4.9	4.9	5.3	5.8	6.2	6.2
Other school services ¹	3.8	4.4	5.5	7.8	6.3	7.1	6.6	6.6	6.8	6.8
Summer schools.....	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Adult education.....	3	4	6	4	6	3	3	2	2	2
Community colleges.....	(¹)	(¹)	(¹)	(¹)	3	3	3	2	2	2
Community services.....	(¹)	(¹)	(¹)	(¹)	3	3	3	4	4	4
Capital outlay.....	14.8	16.0	11.0	20.1	22.6	21.8	21.0	17.0	18.9	18.9
Interest.....	1.8	4.0	5.6	1.6	1.7	2.0	2.5	3.1	3.3	3.3

¹ Prior to 1953-54, items included under "other school services" were listed under "auxiliary services", a more comprehensive classification which also included community services.

² Prior to 1953-54, data shown for adult education represent combined expenditures for adult education, summer schools, and community colleges.

³ Excludes capital outlay by nonschool agencies.

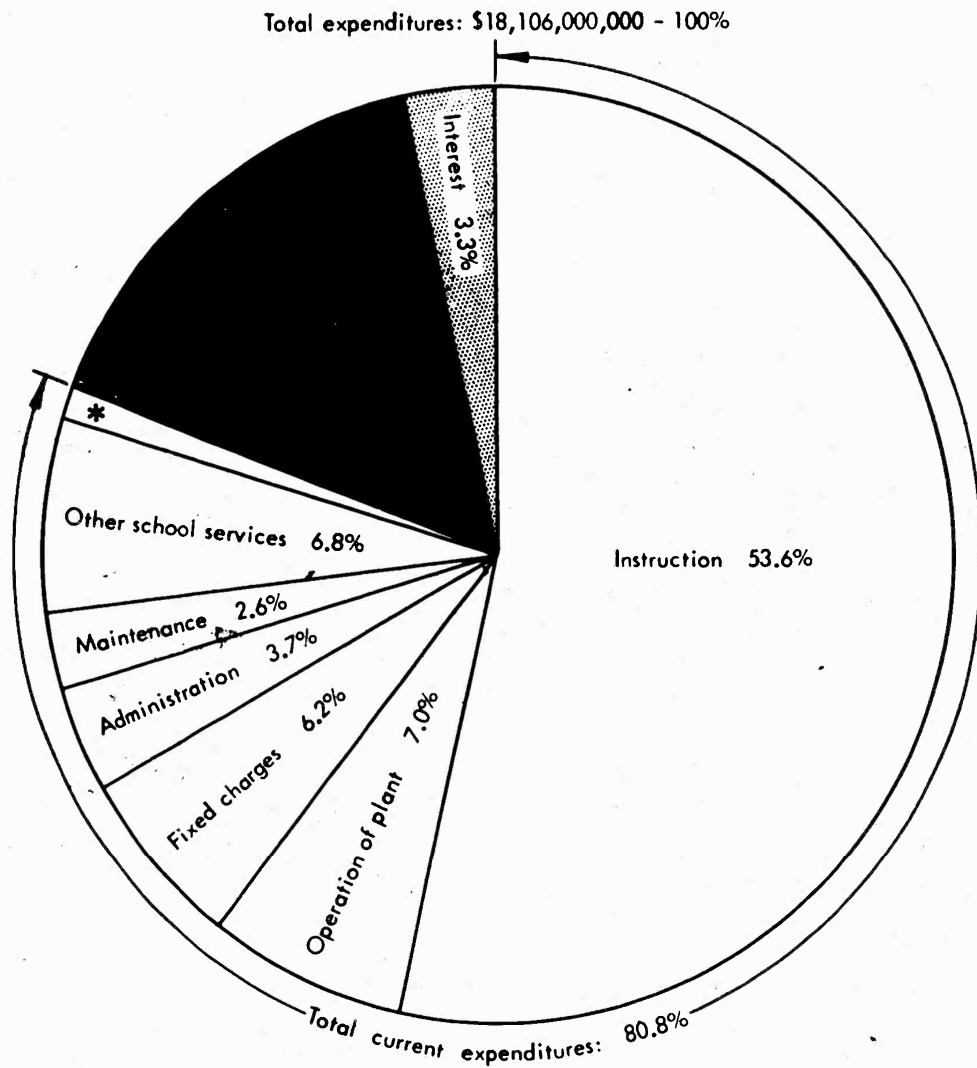
⁴ Less than 0.05 of 1 percent.

NOTE.—Beginning in 1959-60, includes Alaska and Hawaii. Because of rounding, detail may not add to totals.

SOURCE: U. S. Department of Health, Education, and Welfare, Office of Education, *Statistics of State School Systems, 1959-60*, and unpublished data.



Figure 3.—Percentage distribution of estimated expenditures for public elementary and secondary schools: United States, 1961-62



*Other current expenditures: 0.9 percent.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, estimated on the basis of incomplete returns for 1961-62 *Statistics of State School Systems*.

Table 37.—Personal income, 1962, related to estimated expenditures for public elementary and secondary education, by region and State: 1962-63

Region and State	Personal income			Estimated expenditures for public elementary and secondary education	
	Total (in millions)	Per capita	Per child of school age (5-17)	Total (in thousands) ¹	As a percent of personal income
United States	\$437,924	\$2,357	\$9,443	\$19,543,692	4.46
NORTH ATLANTIC	136,972	31,695	135,047	5,416,058	3.95
Connecticut.....	8,038	3,095	12,668	298,300	3.71
Delaware.....	1,452	3,096	12,245	62,475	4.30
Maine.....	1,906	1,908	7,753	80,865	4.24
Maryland.....	8,500	2,664	10,156	376,600	4.43
Massachusetts.....	14,320	2,775	11,743	455,075	3.18
New Hampshire.....	1,409	2,229	9,283	53,836	3.82
New Jersey.....	17,950	2,874	12,070	721,000	4.02
New York.....	50,982	2,930	13,194	2,255,800	4.42
Pennsylvania.....	26,938	2,368	9,895	945,500	3.51
Rhode Island.....	2,062	2,384	10,282	67,825	3.29
Vermont.....	788	2,021	7,829	32,645	4.14
District of Columbia.....	2,627	3,351	17,929	66,187	2.62
GREAT LAKES AND PLAINS	127,620	27,729	109,754	5,615,892	4.40
Illinois.....	28,718	2,830	11,661	1,094,992	3.81
Indiana.....	11,093	2,353	9,011	465,575	4.20
Iowa.....	6,110	2,200	8,723	294,500	4.82
Kansas.....	4,802	2,164	8,717	259,650	5.41
Michigan.....	19,168	2,399	8,960	973,000	5.08
Minnesota.....	7,750	2,230	8,468	430,000	5.55
Missouri.....	10,315	2,373	10,014	376,500	3.65
Nebraska.....	3,339	2,250	9,545	180,700	3.91
North Dakota.....	1,428	2,224	8,223	67,825	4.75
Ohio.....	24,111	2,388	9,432	1,050,400	4.36
South Dakota.....	1,472	2,042	8,025	65,450	4.45
Wisconsin.....	9,314	2,276	8,975	407,300	4.37
SOUTHEAST	69,230	20,221	76,875	3,047,338	4.46
Alabama.....	5,164	1,538	5,714	206,225	3.99
Arkansas.....	2,794	1,533	6,081	136,924	4.90
Florida.....	10,903	1,997	8,571	468,582	4.30
Georgia.....	7,029	1,714	6,466	312,545	4.45
Kentucky.....	5,256	1,705	6,595	185,800	3.54
Louisiana.....	5,710	1,715	6,090	303,502	5.32
Mississippi.....	2,881	1,282	4,637	162,300	5.63
North Carolina.....	8,084	1,709	6,393	375,400	4.64
South Carolina.....	3,692	1,516	5,225	155,700	4.22
Tennessee.....	6,103	1,679	6,543	247,140	4.05
Virginia.....	8,371	2,004	7,980	357,250	4.27
West Virginia.....	3,243	1,829	6,580	136,000	4.19
WEST AND SOUTHWEST	104,102	34,387	135,192	5,464,404	5.25
Arizona.....	3,114	2,064	8,053	181,000	5.81
California.....	48,715	2,871	11,728	2,680,000	5.50
Colorado.....	4,486	2,352	9,440	235,644	5.25
Idaho.....	1,342	1,923	6,952	64,034	4.77
Montana.....	1,572	2,217	8,398	81,850	5.21
Nevada.....	1,064	3,176	14,171	49,555	4.66
New Mexico.....	1,860	1,824	6,365	117,829	6.33
Oklahoma.....	4,661	1,904	8,145	215,525	4.62
Oregon.....	4,323	2,319	9,153	223,635	5.17
Texas.....	20,535	2,030	7,831	957,000	4.66
Utah.....	1,974	2,041	7,249	114,870	5.82
Washington.....	7,422	2,469	9,702	396,800	5.35
Wyoming.....	795	2,178	8,701	48,825	6.14
Alaska.....	642	2,610	10,351	34,337	5.35
Hawaii.....	1,597	2,409	8,953	63,500	3.98

¹ Includes current expenditures, capital outlay, and interest.

² Excludes interest.

NOTE.—Detail will not necessarily add to totals because of rounding.

SOURCES: U.S. Department of Commerce, Office of Business Economics, *Survey of Current Business*, April 1963; and National Education Association, Research Division, *Estimates of School Statistics, 1962-63*.

Table 38.—Estimated expenditure per pupil in average daily attendance (ADA) for current expenditures, capital outlay, and interest in public elementary and secondary day schools, by State: 1962-63

State	Estimated expenditure per pupil		
	Current expenditure	Capital outlay	Interest on school debt
United States.....	\$432.00	\$86.00	\$15.00
Alabama.....	*255.00	20.00	1.85
Alaska.....	*620.00	84.00	16.00
Arizona.....	445.00	11.00	16.00
Arkansas.....	279.23	65.60	7.20
California.....	† 515.54	‡ 162.00	‡ 23.00
Colorado.....	437.00	102.00	22.00
Connecticut.....	522.00	80.00	20.00
Delaware.....	502.00	211.00	18.00
District of Columbia.....	455.72	71.24	0
Florida.....	† 347.00	† 83.63	† 10.70
Georgia.....	297.76	† 39.00	9.00
Hawaii.....	382.00	39.00	14.00
Idaho.....	314.00	72.58	10.91
Illinois.....	526.04	102.00	22.60
Indiana.....	*405.00	* 80.00	*7.70
Iowa.....	414.00	83.00	11.00
Kansas.....	422.00	126.00	11.00
Kentucky.....	275.00	† 12.00	† 22.70
Louisiana.....	379.00	44.00	19.00
Maine.....	338.00	> 67.00	8.70
Maryland.....	469.00	116.00	22.50
Massachusetts.....	465.00	51.00	(?)
Michigan.....	447.00	109.00	23.00
Minnesota.....	480.70	109.00	26.00
Mississippi.....	230.00	59.00	12.00 ^a
Missouri.....	404.92	73.00	15.00
Montana.....	459.00	82.00	18.00
Nebraska.....	355.00	98.00	14.00
Nevada.....	*441.00	167.00	26.70
New Hampshire.....	399.00	87.77	12.74
New Jersey.....	556.00	94.00	26.00
New Mexico.....	421.00	86.49	5.77
New York.....	645.00	139.00	32.00
North Carolina.....	297.00	46.00	9.00
North Dakota.....	395.00	97.00	13.00
Ohio.....	422.45	98.00	20.00
Oklahoma.....	342.00	68.00	7.20
Oregon.....	501.94	80.00	12.00
Pennsylvania.....	464.00	† 9.00	27.00
Rhode Island.....	467.00	39.00	*23.00
South Carolina.....	236.94	32.00	6.20
South Dakota.....	390.00	40.00	5.90
Tennessee.....	262.00	40.30	10.20
Texas.....	379.00	62.30	18.00
Utah.....	354.00	102.00	8.60
Vermont.....	† 362.00	† 55.00	† 12.00
Virginia.....	335.00	77.00	9.50
Washington.....	458.00	102.00	16.20
West Virginia.....	297.50	24.00	4.90
Wisconsin.....	467.00	96.00	19.00
Wyoming.....	510.00	77.20	16.00

*See NOTE below.

† Does not include capital outlay by State and local school building authorities amounting to a total of \$117,000,000 in the following States: Indiana, \$47,000,000; Kentucky, \$15,000,000; and Pennsylvania, \$55,000,000.

‡ ADA used in calculations for California exclude excused absences.

Footnotes continued top of next page.

Footnotes for table 38 continued.

² Original figure adjusted by NEA Research Division to include cost of administration at State level, State contributions to teacher retirement fund, and Federal funds for school lunch program.

⁴ Original figures adjusted by NEA Research Division to include expenditures for public junior college program.

³ Capital outlay expenditures by local school systems and State School Building Authority.

⁶ Includes interest payments to holding companies.

⁷ Estimate not available.

⁴ ADA used in calculation includes tuition pupils at private schools.

NOTE.—Estimates are based upon reports from State departments of education and State education associations except for those marked with an asterisk, which are made by the NEA Research Division on the basis of data from a variety of sources. Estimated capital outlay and estimated interest on school debt per pupil in average daily attendance were calculated from NEA figures by dividing the estimated amount given by the NEA by the estimated ADA given by the NEA and rounding the results appropriately.

SOURCE: National Education Association, Research Division, *Estimates of School Statistics, 1962-63*.

Table 39.—Average annual expenditure per pupil in average daily attendance in public school systems, by region and State: 1959-60

Region and State	Expenditure per pupil			
	Total	Current ¹	Capital outlay ²	Interest
United States	9472.17	8375.14	681.96	415.07
NORTH ATLANTIC	563.35	465.16	78.33	19.86
Connecticut.....	541.42	436.08	86.10	19.24
Delaware.....	758.48	455.75	286.08	16.65
Maine.....	327.08	282.73	39.16	5.19
Maryland.....	530.90	392.70	118.58	19.62
Massachusetts.....	462.24	408.91	53.33	.....
New Hampshire.....	429.73	347.24	73.14	9.35
New Jersey.....	681.97	487.54	123.93	20.50
New York.....	698.40	561.69	110.10	26.71
Pennsylvania.....	442.60	409.44	10.10	23.06
Rhode Island.....	448.93	413.88	18.31	17.24
Vermont.....	400.32	343.93	46.69	9.70
District of Columbia.....	486.15	431.16	54.99	.....
GREAT LAKES AND PLAINS	496.48	389.86	91.48	15.14
Illinois.....	557.78	438.41	97.64	21.73
Indiana.....	453.76	368.68	78.32	6.76
Iowa.....	435.06	367.71	57.25	10.10
Kansas.....	476.13	347.72	128.19	5.22
Michigan.....	548.77	415.10	116.13	17.54
Minnesota.....	554.03	426.21	107.09	21.73
Missouri.....	423.08	343.96	67.48	11.64
Nebraska.....	429.94	336.98	82.42	10.54
North Dakota.....	472.64	366.69	96.77	9.18
Ohio.....	458.95	365.04	77.78	16.13
South Dakota.....	389.61	346.82	37.23	5.66
Wisconsin.....	537.99	413.04	108.63	16.32
SOUTHEAST	317.47	259.51	49.79	8.17
Alabama.....	268.99	241.15	26.03	1.81
Arkansas.....	270.20	225.17	38.42	6.61
Florida.....	415.69	317.64	88.95	9.10
Georgia.....	285.17	253.47	24.41	7.29
Kentucky.....	259.85	233.07	6.85	19.93
Louisiana.....	477.69	371.94	87.03	18.62
Mississippi.....	297.84	205.91	86.20	5.73
North Carolina.....	292.60	237.24	47.57	7.79
South Carolina.....	255.28	220.06	27.18	8.04
Tennessee.....	290.74	238.07	50.61	2.06
Virginia.....	350.61	274.21	69.72	6.68
West Virginia.....	289.66	258.44	26.84	4.28

See footnotes at end of table.

Table 39.—Average annual expenditure per pupil in average daily attendance in public school systems, by region and State: 1959-60—Continued

Region and State	Expenditure per pupil			
	Total	Current ¹	Capital outlay ²	Interest
WEST AND SOUTHWEST.....	\$510.86	\$387.24	\$106.48	\$17.14
Arizona.....	541.80	403.56	124.20	14.04
California.....	588.79	³ 424.00	143.00	21.79
Colorado.....	540.60	366.14	127.65	16.81
Idaho.....	356.21	289.70	57.63	8.88
Montana.....	484.89	410.78	56.96	17.18
Nevada.....	588.57	430.41	132.48	25.68
New Mexico.....	437.73	362.67	69.81	5.25
Oklahoma.....	381.66	311.36	63.98	6.32
Oregon.....	536.83	448.33	78.24	10.26
Texas.....	414.05	332.34	64.37	17.34
Utah.....	447.01	322.41	116.35	8.25
Washington.....	550.63	420.42	111.39	18.82
Wyoming.....	655.72	450.38	192.63	12.71
Alaska.....	639.60	546.32	76.87	✓ 16.41
Hawaii.....	362.78	324.55	26.70	9.53
Outlying parts				
Canal Zone.....	849.30	362.91	486.39	
Guam.....	353.37	236.39	116.96	
Puerto Rico.....	115.06	106.21	8.87	
Virgin Islands.....	284.66	270.66	13.90	

¹ Excludes expenditures not allocable to pupil costs.

² Excludes expenditures by State and local school building authorities and other nonschool agencies.

³ Estimated by Office of Education.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, *Statistics of State School Systems: 1959-60*.

Table 40.—Expenditure of Federal, State, and local funds for vocational education: United States and outlying parts, 1949-50 to 1961-62

[In thousands of dollars]

School year	Total	Federal	State	Local
1949-50.....	\$128,717	\$26,623	\$40,534	\$61,561
1950-51.....	137,354	26,685	44,208	66,462
1951-52.....	146,466	25,863	47,818	72,784
1952-53.....	145,961	25,366	52,218	68,367
1953-54.....	151,289	25,419	54,550	71,320
1954-55.....	164,761	30,351	57,591	76,819
1955-56.....	175,886	33,180	61,821	80,884
1956-57.....	190,726	37,063	67,524	86,139
1957-58.....	209,748	38,733	72,305	98,710
1958-59.....	228,315	41,399	79,534	107,381
1959-60.....	238,812	45,313	82,466	111,033
1960-61.....	254,074	48,010	89,155	116,909
1961-62 ¹	283,948	51,438	104,264	128,246

¹ Provisional data.

NOTE.—Because of rounding, detail may not add to totals.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, *Digest of Annual Reports of State Boards for Vocational Education*.

CHAPTER II

Higher Education

UNIVERSITIES AND COLLEGES exist in every State in the Union and in all the larger and more populous outlying parts. About one-third of the entire group of approximately 2,000 institutions are under the control of State governments or of cities, counties, or other subdivisions of States. About a dozen are controlled by the Federal Government. The remaining two-thirds of the group are controlled by religious sects, organizations within one professional group or another, or self-perpetuating groups of public-spirited persons.

Institutions present the widest range imaginable in type of instruction offered. A typical junior college offers only the first 2 years of training at the college level; a university commonly offers, in addition to a full undergraduate course in liberal arts, graduate work leading to the doctorate as well as courses preparing for entrance into two or three of the learned professions. Between these two extremes there are innumerable colleges which reflect local needs and purposes.

The number, the character, and even the location of institutions vary from time to time. As a rule the total number increases somewhat from one year to another to keep pace with the normal increase in the number of persons desiring college training and the number of localities or groups needing higher education facilities.

The accompanying tabulations refer to the situation in higher education at the times the data carried in the several tables were assembled. The fact that they refer to different years and to varying numbers of institutions is primarily a reflection of the fact that a count of institutions correct at one time may be incorrect at another. It is also true that data become available on different phases of higher education at different times.

Most of the data here given refer to the entire United States: the 50 States, the District of Columbia, the Canal Zone, Guam, and Puerto Rico. Since this is not always the case, the coverage of each table is specified, either in the title or in a footnote to the table.

Table 41.—Total degree-credit enrollment in institutions of higher education, by State: Fall 1962 and fall 1963

State	Degree-credit enrollment		State	Degree-credit enrollment	
	1962	1963 (estimated ¹)		1962	1963 (estimated ¹)
United States.....	4,174,936	4,266,000			
Alabama.....	47,654	50,063	Nebraska.....	36,379	38,218
Alaska.....	3,878	4,074	Nevada.....	4,761	5,002
Arizona.....	43,736	45,947	New Hampshire.....	13,176	13,842
Arkansas.....	30,878	32,439	New Jersey.....	101,419	106,646
California.....	551,524	579,406	New Mexico.....	20,839	21,893
Colorado.....	52,640	55,301	New York.....	395,174	415,153
Connecticut.....	59,092	62,079	North Carolina.....	84,387	88,653
Delaware.....	8,979	9,433	North Dakota.....	16,026	16,836
District of Columbia.....	51,185	53,741	Ohio.....	202,374	212,005
Florida.....	89,802	94,342	Oklahoma.....	63,697	66,917
Georgia.....	56,228	59,071	Oregon.....	51,948	54,574
Hawaii.....	12,999	13,656	Pennsylvania.....	214,244	225,075
Idaho.....	13,912	14,615	Rhode Island.....	22,699	23,847
Illinois.....	230,115	241,748	South Carolina.....	35,142	36,919
Indiana.....	111,861	117,516	South Dakota.....	16,409	17,239
Iowa.....	64,928	68,210	Tennessee.....	72,844	76,527
Kansas.....	59,900	62,928	Texas.....	216,641	227,593
Kentucky.....	53,361	56,059	Utah.....	38,940	40,909
Louisiana.....	66,692	70,064	Vermont.....	11,123	11,685
Maine.....	15,025	15,785	Virginia.....	65,944	69,278
Maryland.....	65,110	68,402	Washington.....	77,491	81,409
Massachusetts.....	155,647	163,515	West Virginia.....	33,700	35,404
Michigan.....	182,827	192,069	Wisconsin.....	67,403	71,822
Minnesota.....	89,301	93,816	Wyoming.....	7,707	8,097
Mississippi.....	41,163	43,244	U.S. Service Schools.....	14,214	14,933
Missouri.....	96,851	101,747			
Montana.....	14,997	15,755			

¹ Assuming that enrollment in each State will be distributed in same proportion as in 1962, and that college attendance rates for 1963 will follow the 1950-1960 trend.

NOTE.—Includes resident and extension degree-credit students.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, Circular No. 697, *Opening (Fall) Enrollment in Higher Education, 1963*; and Office of Education estimates.

Table 42.—Total and first-time degree-credit enrollment in institutions of higher education, with percentage change from 1961 to 1962 and from 1957 to 1962, by State

Region and State	Total enrollment			First-time enrollment		
	Fall 1962	Percent change 1961 to 1962	Percent change 1957 to 1962	Fall 1962	Percent change 1961 to 1962	Percent change 1957 to 1962
United States and outlying parts.....	4,306,673	+8.1	+37.0	1,638,630	+1.2	+42.3
Alabama.....	47,654	- 7	+14.7	11,459	-12.1	+11.3
Alaska.....	3,878	+29.7	+40.0	1,104	-1.7	+69.0
Arizona.....	43,736	+14.4	+78.0	11,218	+11.3	+47.9
Arkansas.....	30,878	+11.4	+45.2	9,347	-3.0	+51.3
California.....	551,524	+10.4	+49.7	154,272	+1.1	+50.8
Colorado.....	52,640	+6.0	+32.3	12,129	-9.5	+36.5
Connecticut.....	59,092	+6.8	+45.5	14,754	+5.4	+70.6
Delaware.....	8,979	+12.2	+47.1	2,451	-1.7	+114.2
District of Columbia.....	51,155	+9.1	+33.4	6,789	-4.5	+16.9
Florida.....	89,802	+12.7	+68.0	24,118	+2.3	+79.9
Georgia.....	56,228	+8.2	+23.1	14,016	-3.9	+29.3
Hawaii.....	12,999	+11.1	+69.5	3,848	+18.5	+129.1
Idaho.....	13,912	+12.1	+36.4	4,896	+7.8	+51.2
Illinois.....	230,115	+6.3	+38.4	56,620	+ 6	+56.7
Indiana.....	111,861	+6.2	+40.5	26,924	+3.2	+36.3
Iowa.....	64,928	+6.2	+30.2	17,154	-2.7	+31.7
Kansas.....	59,900	+6.7	+32.8	16,843	- 9	+29.8
Kentucky.....	53,361	+3.1	+35.1	13,581	-6.9	+42.6
Louisiana.....	66,692	+7.0	+37.6	14,597	- 9	+27.3
Maine.....	15,025	+9.8	+37.6	4,058	+1.1	+33.3
Maryland.....	65,110	+8.6	+47.3	13,191	+6.9	+46.0
Massachusetts.....	155,647	+12.7	+30.2	37,096	+6.2	+20.0
Michigan.....	182,827	+7.7	+22.9	39,502	+4.4	+34.9
Minnesota.....	89,301	+7.4	+31.9	24,480	+2.5	+66.8
Mississippi.....	41,163	+6.7	+47.1	13,971	+1.4	+61.2
Missouri.....	96,851	+9.1	+31.4	24,511	-7.3	+41.0
Montana.....	14,997	+8.1	+44.8	4,242	+5.3	+44.5
Nebraska.....	36,379	+8.8	+34.2	9,888	+10.8	+32.8
Nevada.....	4,761	+ 5	+102.4	1,305	+13.3	+74.2
New Hampshire.....	13,176	-3.3	+23.0	3,488	-3.7	+42.1
New Jersey.....	101,419	+9.4	+49.4	21,876	+3.3	+54.7
New Mexico.....	20,839	+8.2	+44.3	4,753	-3.7	+47.1
New York.....	395,174	+6.6	+25.9	70,380	+4.4	+39.2
North Carolina.....	84,367	+8.9	+43.8	23,437	+1.0	+40.7
North Dakota.....	16,026	+12.9	+43.6	5,017	+5.2	+43.1
Ohio.....	202,374	+7.6	+36.8	49,623	+3.4	+47.0
Oklahoma.....	63,697	+6.8	+24.4	16,930	- 6	+21.7
Oregon.....	51,948	+8.7	+43.8	14,301	-9.4	+48.9
Pennsylvania.....	214,244	+4.8	+27.6	46,266	-4.7	+22.9
Rhode Island.....	22,699	+14.4	+45.6	5,998	+5.3	+58.4
South Carolina.....	35,142	+7.3	+25.9	9,701	-1.8	+56.3
South Dakota.....	16,409	+7.5	+19.0	5,050	+1.5	+23.8
Tennessee.....	72,844	+12.8	+34.8	21,626	+17.4	+51.3
Texas.....	216,641	+9.0	+30.0	55,401	+3.4	+32.5
Utah.....	38,940	+9.5	+39.5	10,291	+1.8	+39.5
Vermont.....	11,123	+10.6	+41.8	3,476	+1.2	+37.7
Virginia.....	65,944	+6.5	+35.0	18,067	-1.0	+60.2
Washington.....	77,491	+9.5	+51.8	21,721	- 3	+66.2
West Virginia.....	33,700	+6.6	+30.1	8,854	- 6	+26.5
Wisconsin.....	87,403	+6.9	+40.5	21,033	+ 2	+41.4
Wyoming.....	7,707	+8.3	+39.4	2,114	+4.6	+21.0
U.S. Service Schools.....	14,214	+6.2	+43.4	2,797	+0.8	+40.6
Outlying parts						
Canal Zone.....	483	-8.4	+72.5	302	+7.5	+106.8
Guam.....	1,247	-10.2	+139.3	468	-38.0	+63.6
Puerto Rico.....	30,006	+4.7	+48.2	7,296	+9.1	+34.7

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, circulars on *Opening (Fall) Enrollment in Higher Education*.

Table 43.—Total degree-credit enrollment in institutions of higher education, by sex and by type and control of institution: United States and outlying parts, fall 1957 and fall 1962

Type and control of institution	Number of students, 1957			Number of students, 1962		
	Both sexes	Men	Women	Both sexes	Men	Women
All public and private institutions.....	3,068,417	2,003,494	1,064,993	4,296,673	2,963,673	1,663,666
Junior colleges.....	369,963	238,105	131,858	592,328	367,136	225,192
4-year institutions.....	2,698,454	1,765,319	933,135	3,614,344	2,235,936	1,378,408
Universities.....	1,373,089	963,561	389,528	1,724,905	1,166,702	558,203
Liberal arts colleges.....	826,731	462,929	363,802	1,190,975	644,409	546,566
Independently organized professional schools:						
Teachers colleges.....	294,688	141,200	153,488	445,308	214,905	230,403
Technological schools.....	97,830	92,057	5,773	125,398	114,466	10,932
Theological, religious.....	35,554	29,284	6,270	44,713	34,804	9,909
Schools of art.....	(¹)	(¹)	(¹)	18,159	8,724	9,435
Other professional.....	70,562	56,288	14,274	64,896	51,926	12,960
Public institutions.....	1,780,280	1,149,563	630,717	2,596,904	1,587,403	1,009,501
Private institutions.....	1,288,137	853,861	434,276	1,699,768	1,015,669	594,099

¹ Included with "Other professional."

NOTE.—Includes resident and extension degree-credit students.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, circulars on *Opening (Fall) Enrollment in Higher Education*.

Table 44.—Enrollment in institutions of higher education, by sex and by control of institution: United States and outlying parts, fall 1948 to fall 1963

Year	Total enrollment	Enrollment by sex		Enrollment by control of institution	
		Men	Women	Public	Private
1948.....	2,408,249	1,712,283	695,966	1,190,441	1,217,808
1949.....	2,456,841	1,728,672	728,169	1,218,580	1,238,261
1950.....	2,296,592	1,569,322	727,270	1,154,456	1,142,136
1951.....	2,116,440	1,398,735	717,705	1,051,990	1,064,450
1952.....	2,148,284	1,387,094	761,190	1,113,700	1,034,584
1953.....	2,250,701	1,432,474	818,227	1,203,558	1,047,143
1954.....	2,468,596	1,575,227	893,369	1,372,937	1,096,659
1955.....	2,678,623	1,747,429	931,194	1,498,510	1,180,113
1956.....	2,946,985	1,927,863	1,019,122	1,681,671	1,265,314
1957.....	3,068,417	2,003,424	1,064,993	1,780,280	1,288,137
1958.....	3,258,556	2,110,426	1,148,130	1,912,232	1,346,324
1959.....	3,402,297	2,173,797	1,228,500	2,002,868	1,399,429
1960.....	3,610,007	2,270,640	1,339,367	2,135,690	1,474,317
1961.....	3,891,230	2,423,987	1,467,243	2,351,719	1,539,511
1962.....	4,206,672	2,603,072	1,603,600	2,596,904	1,609,768
1963 ¹	4,419,000	2,743,000	1,676,000	2,714,000	1,705,000

¹ Estimated.

NOTE.—Prior to 1953, includes only resident degree-credit students; in 1953 and subsequent years, includes resident and extension degree-credit students.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, circulars on *Opening (Fall) Enrollment in Higher Education*.

Table 45.—Enrollment in institutions of higher education compared with population aged 18-21: United States, fall 1946 to fall 1962

Year	Population 18-21 years of age ¹	Enrollment	Number enrolled per 100 persons 18-21 years of age	Year	Population 18-21 years of age ¹	Enrollment	Number enrolled per 100 persons 18-21 years of age
1946.....	9,403,000	2,078,095	22.1	1956.....	8,701,000	2,918,212	33.5
1947.....	9,276,000	2,338,226	25.2	1957.....	8,844,000	3,036,938	34.3
1948.....	9,144,000	2,403,396	26.3	1958.....	8,959,000	3,226,038	36.0
1949.....	8,990,000	2,444,900	27.2	1959.....	9,182,000	3,364,861	36.6
1950.....	8,945,000	2,281,298	25.5	1960.....	9,546,000	3,582,726	37.5
1951.....	8,742,000	2,101,962	24.0	1961.....	10,246,000	3,860,643	37.7
1952.....	8,542,000	2,134,242	25.0	1962.....	10,745,000	4,174,936	38.9
1953.....	8,441,000	2,231,054	26.4				
1954.....	8,437,000	2,446,663	29.0				
1955.....	8,508,000	2,653,034	31.2				

¹ These Bureau of the Census estimates are as of July 1 preceding the opening of the academic year. They include Armed Forces overseas.

² Estimated.

NOTE.—Beginning in 1960, data are for 50 States and D.C.; data for earlier years are for 48 States and D.C. Beginning in 1953, enrollment figures include residence and extension degree-credit students; data for earlier years exclude extension students.

SOURCES: U.S. Department of Health, Education, and Welfare, Office of Education, circulars on *Opening (Fall) Enrollment in Higher Education*; and U.S. Department of Commerce, Bureau of the Census, *Current Population Reports, Series P-25, No. 265*.

Table 46.—First-time enrollment in institutions of higher education, by sex and by control of institution: United States and outlying parts, fall 1948 to fall 1963

Year	Total	Sex		Control	
		Men	Women	Public	Private
1948.....	568,768	309,924	198,844	296,712	272,056
1949.....	557,856	357,265	200,591	301,541	256,315
1950.....	516,836	319,733	197,103	286,131	230,706
1951.....	472,025	280,277	191,748	263,430	208,596
1952.....	536,879	323,673	213,206	308,494	228,365
1953.....	571,533	344,844	226,689	336,476	235,067
1954.....	631,122	386,549	244,573	376,571	254,561
1955.....	675,060	418,363	256,697	404,303	270,767
1956.....	723,178	446,114	277,064	434,849	288,329
1957.....	729,725	445,324	284,401	438,816	290,909
1958.....	781,075	468,625	312,450	479,114	301,961
1959.....	826,969	490,622	336,347	505,348	321,621
1960.....	929,823	542,774	387,049	581,890	347,933
1961.....	1,026,067	595,794	430,293	653,183	372,904
1962.....	1,038,620	601,993	436,627	674,261	364,359
1963 ¹	1,117,000	669,000	448,000	735,000	382,000

¹ Estimated.

NOTE.—Prior to 1963, includes only resident degree-credit students; in 1963 and subsequent years, includes resident and extension degree-credit students.

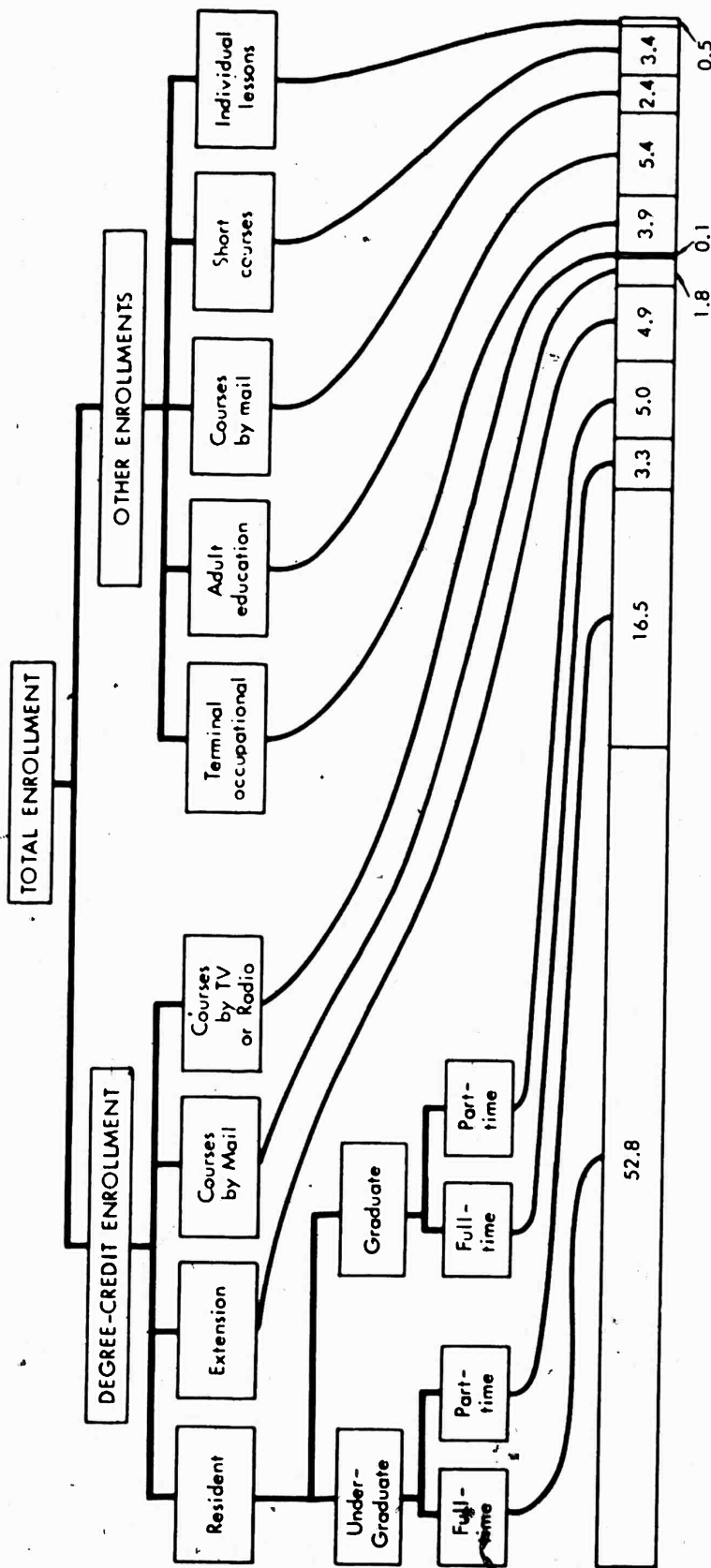
SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, circulars on *Opening (Fall) Enrollment in Higher Education*.

Table 47.—Estimated enrollment by sex, type, and level, in institutions of higher education: United States and outlying parts, first term 1961-62

Type of enrollment and level of education	Enrollment		
	Both sexes	Men	Women
Degree-credit enrollment	4,065,000	2,572,000	1,563,000
Resident and extension degree-credit (excluding courses by mail, radio, and TV)	3,990,000	2,473,000	1,517,000
Resident degree-credit	3,753,000	2,351,000	1,402,000
Undergraduate and first-professional students	3,355,000	2,068,000	1,287,000
Full-time	2,555,000	1,579,000	976,000
Part-time	800,000	489,000	311,000
Graduate students and students beyond the first-professional degree	396,000	283,000	115,000
Full-time	157,000	123,000	34,000
Part-time	241,000	160,000	81,000
Extension degree-credit	237,000	122,000	115,000
Degree-credit courses by mail	89,000	47,000	42,000
Degree-credit courses by TV or radio	6,000	2,000	4,000
Nondegree-credit enrollment			
Terminal-occupational education	187,000	128,000	59,000
Adult education	263,000	131,000	132,000
Nondegree-credit courses by mail	116,000	90,000	26,000
Other enrollments			
Short courses	163,000	108,000	54,000
Individual lessons only	25,000	9,000	16,000

Source: U.S. Department of Health, Education, and Welfare, Office of Education, preliminary data from the *Comprehensive Report on Enrollment*.

Figure 4.—Classification and percentage distribution, estimated enrollment in institutions of higher education, by type and level: United States and outlying parts, first term, 1961-62



¹ Students enrolled in work wholly or principally creditable toward a bachelor's or higher degree.

² Includes students enrolled for first-professional degree.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, estimate based on preliminary data from the comprehensive enrollment report for institutions of higher education: First term, 1961-62.

Table 48.—Nondegree-credit enrollment in institutions of higher education, by sex of student, type of enrollment, and control and level of institution: United States and outlying parts, first term 1959-60.

Type of enrollment, by control and level of institution	Enrollment		
	Both sexes	Men	Women
All institutions			
Terminal-occupational education.....	194,683	137,005	57,678
Adult education.....	277,462	141,770	135,692
Nondegree-credit courses by mail.....	65,336	44,492	21,844
Short courses.....	153,769	104,967	50,802
Individual lessons only.....	29,406	10,427	18,979
Control			
Public:			
Terminal-occupational education.....	149,982	105,343	44,639
Adult education.....	219,983	111,077	108,906
Nondegree-credit courses by mail.....	20,465	12,710	7,755
Short courses.....	141,783	95,867	45,916
Individual lessons only.....	3,646	1,235	2,411
Private:			
Terminal-occupational education.....	44,701	31,662	13,039
Adult education.....	57,479	30,693	26,786
Nondegree-credit courses by mail.....	45,871	31,782	14,089
Short courses.....	13,986	9,100	4,886
Individual lessons only.....	23,760	9,192	14,568
Level			
4-year institutions:			
Terminal-occupational education.....	41,757	30,001	11,756
Adult education.....	150,100	80,769	69,331
Nondegree-credit courses by mail.....	22,861	14,297	8,564
Short courses.....	146,610	100,091	46,519
Individual lessons only.....	27,427	9,846	17,581
Junior colleges:			
Terminal-occupational education.....	152,926	107,004	45,922
Adult education.....	127,362	61,001	66,361
Nondegree-credit courses by mail.....	43,475	30,195	13,280
Short courses.....	9,159	4,876	4,283
Individual lessons only.....	1,979	561	1,398

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, OE-64025, *Total Enrollment in Institutions of Higher Education, First Term, 1959-60.*

Table 49.—Junior-year enrollment in science, mathematics, and foreign languages in institutions of higher education, by sex, and by control and type of institution: United States and outlying parts, fall 1962

Field of study	Total	Junior-year enrollment—									
		By sex		By control of institution			By type of institution				
		Men	Women	Public	Private	Universities	Liberal arts colleges	Teachers colleges	All other 4-year institutions ¹		
1	2	3	4	5	6	7	8	9	10		
All fields.....	835,094	317,945	517,149	309,173	214,521	327,943	192,239	71,099	32,723		
Science and mathematics.....	76,350	58,067	18,283	42,018	34,332	32,065	31,946	9,625	2,714		
Biological sciences.....	30,977	23,074	7,903	16,627	14,350	14,139	13,240	3,039	569		
Mathematical subjects.....	20,706	14,238	6,468	12,193	8,513	7,335	8,755	3,894	722		
Physical sciences.....	21,621	16,625	2,996	10,878	10,743	9,417	8,971	1,826	1,407		
Sciences, general program.....	3,046	2,150	896	2,320	10,726	1,174	960	866	26		
Teaching of English as a foreign language.....	23	5	18	.....	23	.....	23	.....	.....
Foreign languages and literature.....	12,598	3,761	8,837	5,961	6,737	5,492	5,967	1,028	211		

¹ Includes technological schools, theological and religious institutions, schools of art, and other independently organized professional schools.

Source: U.S. Department of Health, Education, and Welfare, Office of Education, preliminary data from Survey of Junior-Year Enrollment in Science, Mathematics, and Foreign Languages.

Table 50.—Enrollment for advanced degrees in institutions of higher education, by field of study and by level: United States and outlying parts, fall 1961

Field of study	Total	First year ¹	Intermediate ²	Terminal year ³
All fields.....	333,961	317,492	193,506	12,963
Agriculture.....	3,744	1,783	1,595	366
Architecture.....	810	479	327	4
Biological sciences.....	16,190	7,699	6,931	1,560
Business and commerce.....	26,603	19,092	7,233	278
Education.....	102,967	80,967	20,362	1,638
Engineering.....	39,367	21,551	16,286	1,530
English and journalism.....	14,730	9,520	4,653	557
Fine and applied arts.....	10,463	6,774	3,370	319
Foreign languages and literature.....	7,337	3,985	3,011	341
Forestry.....	602	333	241	28
Geography.....	1,112	656	395	61
Health professions.....	6,199	3,496	2,493	210
Home economics.....	1,425	961	416	28
Law.....	2,046	1,388	617	41
Library science.....	1,481	1,217	251	13
Mathematical subjects.....	12,671	7,851	4,325	495
Philosophy.....	2,460	1,175	1,142	143
Physical sciences.....	26,553	12,245	11,741	2,567
Psychology.....	10,761	5,655	4,302	794
Religion.....	5,318	2,613	2,527	278
Social sciences.....	40,995	24,253	15,105	1,637
Broad general curriculums and miscellaneous fields.....	5,157	3,870	1,183	95

¹ Includes students who had completed less than one full year of required work for an advanced degree.

² Includes students who had completed one or more years of required work for an advanced degree (i.e., master's except first-professional or doctor's degree) and were not expected to complete all requirements for a doctor's degree by June 30, 1962.

³ Includes only those students who were expected to complete all doctoral requirements by June 30, 1962.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, Circular No. OE-54009-61, *Summary Report on Survey of Students Enrolled for Advanced Degrees: Fall 1961*.

Table 51.—Engineering enrollment in institutions of higher education, by level: United States and outlying parts, fall 1949 to fall 1962

Fall	Total engineering enrollment	Level of enrollment, for—		
		First engineering degree	Master's degree ¹	Doctor's degree
1949.....	219,712	201,927	15,242	2,543
1950.....	180,262	161,502	15,899	2,861
1951.....	165,637	145,997	16,765	2,875
1952.....	176,549	156,080	17,539	2,930
1953.....	193,333	171,725	18,607	3,001
1954.....	214,414	193,602	17,441	3,281
1955.....	243,390	221,448	18,779	3,163
1956.....	277,052	251,121	22,529	3,402
1957.....	297,077	268,761	24,136	4,180
1958.....	289,680	256,779	28,136	4,763
1959.....	276,348	242,992	29,713	5,643
1960.....	271,850	234,190	31,215	6,445
1961.....	272,777	232,104	32,804	7,869
1962.....	275,329	230,730	35,359	9,240

¹ Also includes enrollment for other postgraduate predoctoral degrees.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, Circular No. OE-54004-62, *Advance Report on Engineering Degrees (1951-55) and Enrollments (Fall 1959)*.

Table 52.—Resident enrollment in junior colleges,¹ by type of control: United States, 1917-18 to 1959-60

Academic year	All junior colleges		Publicly controlled		Privately controlled	
	Number	Enrollment	Number	Enrollment	Number	Enrollment
1917-18.....	46	4,504	14	1,367	32	3,137
1919-20.....	52	8,102	10	2,940	42	5,162
1921-22.....	80	12,124	17	4,771	63	7,353
1923-24.....	132	20,559	39	9,240	93	11,319
1925-26.....	153	27,095	47	13,859	106	13,236
1927-28.....	248	44,855	114	28,437	134	16,418
1929-30.....	277	55,618	129	36,501	148	19,115
1931-32.....	342	85,063	159	58,887	183	26,176
1933-34.....	322	78,480	152	55,869	170	22,611
1935-36.....	415	102,453	187	70,557	228	31,896
1937-38.....	453	121,510	209	82,041	244	39,469
1939-40.....	456	149,854	217	107,553	239	42,301
1941-42.....	461	141,272	231	100,783	230	40,489
1943-44.....	413	89,208	210	60,884	203	28,324
1945-46.....	464	156,456	242	109,640	222	46,816
1947-48.....	472	240,173	242	178,196	230	61,977
1949-50.....	506	243,839	279	188,794	227	55,045
1951-52.....	506	231,175	291	184,054	215	47,121
1953-54.....	518	325,804	293	272,036	225	53,768
November 1955.....	499	295,553	276	249,928	193	45,625
First term, 1957-58.....	490	349,385	283	297,680	207	51,705
First term, 1959-60.....	509	403,524	310	348,538	199	54,986

¹ Includes 2-year normal schools in 1949-50 and subsequent years.

NOTE.—Beginning in 1959-60, includes Alaska and Hawaii.

SOURCES: U.S. Department of Health, Education, and Welfare, Office of Education, *Biennial Survey of Education in the United States*; and Circular OE-54025, *Total Enrollment in Institutions of Higher Education, First Term, 1959-60*.

Table 53.—Number of graduates, 1959-60, and enrollment, fall 1960, by curriculum, organized occupational curriculums, in institutions of higher education: United States and outlying parts

Organized occupational curriculum	Number of graduates, 1959-60	Enrollment 1960
All curriculums.....	52,967	247,896
ENGINEERING-RELATED.....	15,887	86,780
Aeronautical.....	1,367	4,016
Architectural and civil.....	1,754	12,299
Chemical technology.....	270	1,794
Electrical.....	7,096	34,783
General engineering technology.....	570	4,230
Industrial.....	556	3,361
Mechanical.....	3,590	20,474
Metallurgical technology.....	103	509
Miscellaneous.....	360	3,534
Other.....	201	1,980
NON-ENGINEERING-RELATED.....	36,180	161,200
Agriculture and forestry.....	1,284	5,071
Applied and graphic arts.....	1,941	12,484
Business and commerce.....	18,184	95,213
Education.....	7,063	20,289
Health service.....	5,667	15,744
Home economics.....	499	2,674
Miscellaneous.....	1,155	7,534
Other.....	375	2,191

NOTE.—Some figures in this table have been revised since originally published.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, unpublished data.

Table 54.—Number of graduates, 1959–60, and enrollment, fall 1960, by full-time and part-time, by sex, organized occupational curriculums, in institutions of higher education: United States and outlying parts

Organized occupational curriculums	Graduates			Enrollment		
	Total	Men	Women	Total	Full-time	Part-time
All curriculums	52,067	27,968	24,091	247,969	153,568	94,397
Engineering-related.....	15,887	15,780	127	86,780	47,195	39,585
Non-engineering-related.....	36,180	12,226	23,954	161,200	106,393	54,807
2- or 3-year curriculums	42,605	23,999	18,606	223,556	139,740	83,816
Engineering-related.....	12,824	12,714	110	77,791	43,680	34,111
Non-engineering-related.....	29,781	11,285	18,496	145,765	96,060	49,705
1-year curriculum	9,462	3,987	5,475	24,424	13,848	10,576
Engineering-related.....	3,063	3,046	17	8,969	3,515	5,474
Non-engineering-related.....	6,399	941	5,458	15,435	10,333	5,102
4-year institutions	18,732	9,684	9,048	75,665	44,014	31,651
Engineering-related.....	5,697	5,657	40	27,776	12,731	15,045
Non-engineering-related.....	13,035	4,027	9,008	47,889	31,283	16,606
2-year institutions	33,335	18,302	15,033	172,315	109,574	62,741
Engineering-related.....	10,190	10,103	87	59,004	34,464	24,540
Non-engineering-related.....	23,145	8,199	14,946	113,311	75,110	38,201

NOTE.—Some figures in this table have been revised since originally published.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, unpublished data.

Table 55.—Instructional staff for resident instruction in degree-credit courses: United States and outlying parts, 1949–50 to 1962–63¹

Academic year	All instructional staff	Instructor or above			Junior instructional staff
		Total	Full-time	Part-time	
1949–50.....	191,396	(2)	(2)	(2)	(2)
1951–52.....	184,826	(2)	(2)	(2)	(2)
1953–54 (fall).....	208,547	182,028	(2)	(2)	26,519
1955–56 (fall).....	227,929	197,701	(2)	(2)	30,138
1957–58 (1st term).....	260,486	226,536	154,602	71,934	33,950
1959–60 (1st term).....	283,080	244,461	163,656	80,805	38,619
ESTIMATED					
1960–61 (1st term).....	296,000	256,000	172,000	84,000	40,000
1961–62 (1st term).....	312,000	269,000	183,000	86,000	43,000
1962–63 (1st term).....	334,000	289,000	194,000	95,000	45,000

¹ Source of actual data: *Biennial Survey of Education in the United States*, Chapter 4, Section I, *Statistics of Higher Education: Faculty, Students, and Degrees, 1949–50, 1951–52, and 1953–54* by Henry G. Badger; *Faculty in Institutions of Higher Education, November, 1955* (Circular No. 504), by M. Clemens Johnson and Leah W. Ramsey; *Faculty and Other Professional Staff in Institutions of Higher Education, First Term 1957–58* (Circular No. 596), by Wayne E. Tolliver and Hazel C. Poole. U.S. Department of Health, Education, and Welfare, Office of Education. Washington: U.S. Government Printing Office, 1962, 1955, 1956, 1957, and 1959. Data for 1959–60 from *Summary Report, Faculty and Other Professional Staff in Institutions of Higher Education, 1959–60* (OE-53014) by Felix H. I. Lindsay, issued December 1961 by the Office of Education. Estimates are based on unpublished Office of Education fall, 1961, data on instructional staff in universities, and published higher education enrollment data for fall 1960, 1961, and 1962.

² Data not available.

Table 56.—Faculty and other professional staff in institutions of higher education, by type of position: United States and outlying parts, first term 1957-58 and 1959-60

Type of position	Number of positions	
	1957-58 ¹	1959-60
All types¹	292, 252	431, 720
Professional staff for general administration.....	16, 035	19, 063
Professional staff for student personnel services.....	12, 863	15, 299
Faculty for resident instruction in degree-credit courses.....	260, 486	283, 080
Instructor or above.....	226, 536	244, 461
Full-time.....	154, 602	163, 656
Part-time.....	71, 934	80, 805
Full-time equivalent of part-time ²	23, 000	25, 600
Junior instructional staff.....	33, 950	38, 619
Faculty for resident instruction in other than degree-credit courses.....	12, 096	14, 135
Extension staff.....	31, 378	31, 439
Giving courses.....	15, 547	15, 348
Other extension staff.....	15, 831	16, 091
Other faculty, including instructional staff for courses by mail, radio or TV, short courses and individual lessons.....	9, 602	11, 677
Professional library staff.....	9, 099	9, 939
Professional staff for organized research.....	32, 531	37, 099
Instructional staff for elementary or secondary instruction.....	9, 292	9, 789

¹ The sum of the number of persons in all types of position exceeds the number of different persons because some professional staff serve in more than one capacity. "Total number of positions" represents the sum in all types of positions as classified in the survey questionnaires.

² Rounded.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, Circular No. OE-53014, *Faculty and Other Professional Staff in Institutions of Higher Education, 1959-60*.

Table 57.—Faculty and other professional staff in institutions of higher education, by sex, and by control and level of institution: United States and outlying parts, first term 1957-58 and 1959-60

Item	Number of different persons	
	1957-58	1959-60
Total	248, 509	332, 644
By sex:		
Men.....	270, 013	297, 974
Women.....	78, 496	84, 600
By control of institution:		
Public.....	189, 834	209, 643
Private.....	158, 675	173, 021
By level of institution:		
4-year institutions.....	318, 515	347, 872
Junior colleges.....	29, 994	34, 792

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, Circular No. OE-53014, *Faculty and Other Professional Staff in Institutions of Higher Education, 1959-60*; and unpublished data.

Table 58.—Number of institutions of higher education, by State and by highest level of offering: United States and outlying parts, 1962-63

State	Total	Highest level of offering ¹				
		I	II	III	IV	V
United States and outlying parts	2,100	626	766	456	323	25
Alabama	26	4	11	9	2	
Alaska	3	1	1		1	
Arizona	7	2	1	2	2	
Arkansas	19	2	11	5	1	
California	169	72	35	48	11	3
Colorado	22	7	4	5	6	
Connecticut	32	8	9	12	3	
Delaware	4	2	1		1	
District of Columbia	24	6	4	5	5	4
Florida	45	29	9	4	3	
Georgia	46	14	20	9	3	
Hawaii	4	1	2			
Idaho	8	4	1	2	1	
Illinois	112	31	37	33	9	2
Indiana	41	2	23	8	6	2
Iowa	51	21	25	3	2	
Kansas	45	19	17	6	3	
Kentucky	36	10	13	10	3	
Louisiana	21	1	8	9	3	
Maine	22	6	14	1	1	
Maryland	44	16	13	8	6	1
Massachusetts	96	24	29	26	14	3
Michigan	67	22	25	16	3	1
Minnesota	43	12	18	12	1	
Mississippi	45	28	13	1	3	
Missouri	63	17	31	10	5	
Montana	11	2	4	3	2	
Nebraska	23	6	11	5	1	
Nevada	1				1	
New Hampshire	12	2	4	3	2	1
New Jersey	38	9	13	9	6	1
New Mexico	9	1	2	2	4	
New York	183	55	51	47	29	1
North Carolina	60	23	25	6	6	
North Dakota	14	5	7		2	
Ohio	70	3	42	15	10	
Oklahoma	34	15	8	7	3	1
Oregon	27	6	8	9	3	1
Pennsylvania	129	16	65	30	16	2
Rhode Island	12	2	5	3	2	
South Carolina	30	5	15	6	4	
South Dakota	16	3	8	3	2	
Tennessee	46	7	26	10	3	
Texas	96	37	24	23	12	
Utah	8	4	1		3	
Vermont	16	4	8	2	2	
Virginia	46	13	17	11	4	1
Washington	29	12	4	11	2	
West Virginia	20	3	15	1	1	
Wisconsin	62	26	25	7	3	1
Wyoming	6	5			1	
Outlying parts						
Canal Zone	1	1				
Guam	1	1				
Puerto Rico	5	1	3	1		

¹ I—2 to 4 years beyond 12th grade; II, bachelor's and/or first professional degree; III, master's and/or second professional degree; IV, doctor of philosophy or equivalent degree; V, other.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, *Education Directory, 1962-63*, Part 3, Higher Education.

Table 59.—Number of institutions of higher education, by control and by highest level of offering: United States and outlying parts, 1962-63

Highest level of offering	Total	Public institutions		Private institutions			
		State	District or city	Independent of church	Denominational		
					Prot-estant	Roman Cath-olic	Other
All levels.....	2,100	1,386	345	515	483	335	25
2 to 4 years beyond 12th grade.....	628	40	326	117	87	55	3
Bachelor's and/or first professional degree.....	766	94	4	186	279	194	9
Master's and/or second professional degree.....	458	163	8	123	92	69	3
Doctor of philosophy or equivalent degree.....	223	97	7	70	23	16	10
Other.....	25	4	-----	19	1	1	-----

¹ Includes 12 under Federal control.

² Includes 33 proprietary.

³ Includes 1 Greek Orthodox, 9 interdenominational, 7 Jewish, 5 Latter-Day Saints, 2 Russian Orthodox, 1 Unitarian.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, *Education Directory, 1962-63*, Part 3, Higher Education.

Table 60.—Number of institutions of higher education, by size of degree-credit student body and by type of institution: United States and outlying parts, fall 1962

Type of institution	Total	Institutions with enrollment of—						
		Below 200	200 to 499	500 to 999	1,000 to 2,499	2,500 to 4,999	5,000 to 9,999	10,000 or more
NUMBER OF INSTITUTIONS								
All institutions.....	2,643	336	444	461	427	181	117	87
Junior colleges.....	564	151	176	107	76	30	18	6
4-year institutions.....	1,479	175	268	354	351	151	99	81
Universities.....	142	0	0	0	0	24	49	69
Liberal arts colleges.....	778	27	138	272	243	63	23	12
Independently organized professional schools:								
Teachers colleges.....	198	8	18	31	72	51	18	0
Technological schools.....	66	6	6	9	19	8	8	0
Theological, religious.....	186	100	68	15	3	0	0	0
Schools of art.....	46	21	15	6	4	0	0	0
Other professional.....	73	13	23	21	10	5	1	0
PERCENTAGE DISTRIBUTION								
All institutions.....	100.0	12.6	16.7	17.4	15.9	6.8	4.4	3.3
4-year institutions.....	100.0	11.8	18.1	23.9	23.7	10.2	6.7	5.5
Junior colleges.....	100.0	26.8	31.2	19.0	13.5	5.3	3.2	1.1

NOTE.—Because of rounding, detail of percentage distribution may not add to totals.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, survey of *Opening (Fall) Enrollment in Higher Education, 1962*.

Table 62.—Earned degrees conferred by level, by institutions of higher education: United States and outlying parts, 1947-48 to 1961-62

Year	Degrees conferred				Percent of all degrees		
	All degrees	Bachelor's or first professional	Master's except first professional	Doctor's	Bachelor's or first professional	Master's except first professional	Doctor's
947-48.....	318,749	272,311	42,449	3,989	85.4	13.3	1.3
948-49.....	422,511	346,698	50,763	5,050	86.8	12.0	1.2
949-50.....	498,373	433,734	58,219	6,420	87.0	11.7	1.3
950-51.....	456,822	384,352	65,132	7,338	84.1	14.3	1.6
951-52.....	403,194	331,924	63,587	7,683	82.3	15.8	1.9
952-53.....	374,189	304,857	61,023	8,309	81.5	16.3	2.2
953-54.....	358,699	292,880	56,823	8,996	81.7	15.8	2.5
954-55.....	354,445	287,401	58,204	8,840	81.1	16.4	2.5
955-56.....	379,495	311,298	59,294	8,903	82.0	15.6	2.3
956-57.....	411,058	340,347	61,955	8,756	82.8	15.1	2.1
957-58.....	440,304	365,748	65,614	8,942	83.1	14.9	2.0
958-59.....	464,095	385,151	69,584	9,360	83.0	15.0	2.0
959-60.....	479,215	394,889	74,497	9,829	82.4*	15.5	2.1
960-61.....	490,628	401,784	78,269	10,575	81.9	16.0	2.1
961-62.....	516,996	420,485	84,889	11,622	81.3	16.4	2.2

* Revised since originally published.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, circulars on *Earned Degrees Conferred*.

Table 63.—Engineering degrees conferred by institutions of higher education, by level: United States and outlying parts, 1948-49 to 1961-62

Year	All engineering degrees	Bachelor's or first engineering degrees	Master's degrees	Doctor's degrees
48-49.....	50,415	45,200	4,798	417
49-50.....	58,130	52,732	4,904	494
50-51.....	47,635	41,893	5,156	586
51-52.....	35,013	30,286	4,141	586
52-53.....	28,499	24,164	3,743	592
53-54.....	27,003	22,236	4,177	590
54-55.....	27,672	22,589	4,484	599
55-56.....	31,640	26,306	4,724	610
56-57.....	37,039	31,241	5,232	566
57-58.....	41,767	35,332	5,788	647
58-59.....	45,601	38,134	6,753	714
59-60.....	45,753	37,808	7,159	786
60-61.....	44,980	35,860	8,177	943
61-62.....	44,851	34,735	8,909	1,207

Also includes other postgraduate predoctoral degrees.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, Circular No. OE-34-62, *Advance Report on Engineering Degrees (1961-62) and Enrollments (Fall 1962)*.

Table 64.—Estimated current-fund income of institutions of higher education, by source and control: United States and outlying parts, 1961-62

[Amounts in thousands of dollars]

Source	Current-fund income, by control of institution					
	Public and private		Public		Private	
	Amount	Per-cent	Amount	Per-cent	Amount	Per-cent
Total current-fund income.....	97,383,100	100.0	94,136,900	100.0	63,234,900	100.0
Educational and general income.....	5,955,200	80.9	3,373,700	81.7	2,581,500	79.8
Tuition and fees from students.....	1,524,600	20.7	415,100	10.1	1,109,400	34.3
Federal Government.....	1,388,700	18.9	769,400	18.6	619,300	19.1
Research.....	1,126,300	15.3	549,300	13.3	577,000	17.8
Other Federal income.....	262,400	3.6	220,100	5.3	42,400	1.3
State governments.....	1,686,600	22.9	1,640,100	39.7	46,500	1.4
Local governments.....	189,300	2.6	182,900	4.4	6,400	.2
Private gifts and grants.....	472,800	6.4	96,800	2.3	376,100	11.6
Other educational and general income.....	693,100	9.4	269,400	6.5	423,700	13.1
Auxiliary enterprise income.....	1,289,600	17.5	706,000	17.1	584,600	18.1
Student-aid income.....	120,300	1.6	51,500	1.2	68,800	2.1

NOTE.—Because of rounding, detail may not add to totals.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, Survey of Financial Statistics of Institutions of Higher Education, 1961-62.

Table 65.—Income of institutions of higher education: United States and outlying parts, 1949-50 to 1959-60

[Amounts in thousands of dollars]

Item	1949-50	1951-52	1953-54	1955-56	1957-58	1959-60
Current income	62,290,079	62,579,364	62,966,264	63,628,773	64,075,512	65,812,750
Educational and general.....	1,846,825	2,035,401	2,356,506	2,881,759	3,762,532	4,712,648
Student fees ¹	395,855	448,395	554,179	725,926	939,111	1,161,753
Federal Government:						
Veterans' tuition and fees ¹	308,432	147,513	44,368	15,637	5,056	3,483
Land-grant institutions ²	48,245	49,376	50,562	72,616	83,937	88,297
Research ³	(⁴)	221,105	282,379	355,576	534,389	828,734
Other purposes.....	170,356	35,418	42,244	50,056	89,049	120,385
State governments ⁴	500,289	630,588	751,556	891,600	1,156,537	1,389,271
Local governments.....	61,378	72,013	88,198	106,899	129,389	151,715
Endowment earnings.....	96,370	112,927	127,533	145,040	181,638	206,666
Private gifts and grants.....	118,705	149,925	191,258	245,539	324,970	383,186
Related activities.....	112,437	137,010	165,477	192,406	199,303	244,894
Sales and services of educational departments.....					47,448	45,425
Other educational and general.....	34,758	41,131	58,762	80,464	71,705	88,739
Auxiliary enterprises.....	513,096	511,248	576,840	693,975	841,539	1,005,963
Student-aid income.....	16,288	21,058	32,918	53,039	71,442	94,248
Other current income.....	12,870	11,657				
Receipts for plant expansion	536,435	356,297	476,340	536,000	1,227,190	1,311,967
Federal Government.....	12,262	12,600	8,390	13,267	63,011	57,599
State governments.....	285,234	144,362	132,897	222,751	376,331	320,401
Local governments.....	19,373	16,075	13,966	17,295	45,454	36,304
Private gifts and grants.....	72,629	71,616	103,900	143,177	157,172	196,464
Miscellaneous receipts.....	140,837	111,584	211,207	429,610	585,231	701,139
Private gifts and grants for fund increases	66,889	96,210	166,536	197,168	293,786	299,147
Endowment funds.....	62,916	92,007	100,114	186,239	192,714	187,528
Annuity funds.....	2,472	2,863	4,562	8,935	7,825	16,000
Student loan funds.....	1,551	1,340	1,862	1,974	3,249	5,619

¹ Tuition and fees received from veterans under Public Law 550 are reported under Student fees, not under Income from Federal Government.

² Income from Federal Government for research at agricultural experiment stations administered by land-grant institutions is reported under Land-grant institutions, not under Research.

³ Data not collected.

⁴ Includes Federal funds received through State channels, and regional compacts.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, *Biennial Survey of Education in the United States, 1958-59*, Chapter 4, Section II, Statistics of Higher Education: Receipts, Expenditures, and Property, 1957-58; and unpublished data.

Table 66.—Private gifts and grants to higher education per capita of total population, by fund: United States and outlying parts, 1959-60

Fund	Amount		Percent of total
	Actual	Per capita ¹	
All funds	\$858,511,261	\$4.81	100.0
Current			
Educational and general.....	428,712,576	2.40	49.9
Student aid.....	383,186,334	2.15	44.6
Plant ²	45,526,242	.25	5.3
Endowment ³	220,651,191	1.24	25.7
Student loan fund.....	187,528,440	1.05	21.8
Annuity or living trust.....	5,619,087	.03	.7
	15,999,967	.09	1.9

¹ Based on total estimated population of 178,607,000 as of July 1, 1959.

² Includes \$24,187,131 value of plant assets donated, a small part of which may have come from nonprivate sources.

³ Includes funds functioning as endowment.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, unpublished data.

Table 67.—Average tuition and required fees for full-time undergraduate students in institutions of higher education, by region, and by type and control of institution: United States, 1961-62

Region and control of institution	Tuition and fees, by type of institution							
	All institutions	Universities	Liberal arts colleges	Teachers colleges	Technological schools	Theological schools	Other professional schools	Junior colleges
United States:								
Public.....	\$185	\$271	\$167	\$188	\$229		\$334	\$148
Private.....	731	1,016	768	627	996	\$499	763	642
NORTH ATLANTIC:								
Public.....	231	326	74	186	266			269
Private.....	943	1,174	975	885	1,138	477	907	795
GREAT LAKES AND PLAINS:								
Public.....	173	277	224	182	263		430	118
Private.....	674	874	727	415	836	376	654	442
SOUTHEAST:								
Public.....	191	268	195	195	263		237	129
Private.....	534	954	584	423		313	863	402
WEST AND SOUTHWEST:								
Public.....	163	241	120	193	172			135
Private.....	662	775	716	549	800	462	749	414

NOTE.—Data are for 48 States and District of Columbia. Tuition and fees are for the entire academic year; averages for public institutions are for residents only.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, Circular 685, *Higher Education, Basic Student Charges, 1961-62*.

Table 68.—Average charges for dormitory rooms and average board rates in institutions of higher education, by type and control of institution: United States, 1961-62

Type of institution	Charges for dormitory rooms ¹				Board rates ²			
	Public institutions		Private institutions		Public institutions		Private institutions	
	Men	Women	Men	Women	Men	Women	Men	Women
All types	\$189	\$193	\$331	\$349	\$399	\$378	\$415	\$446
Universities.....	231	241	317	332	425	424	491	475
Liberal arts colleges.....	180	188	235	250	371	371	423	451
Teachers colleges.....	181	180	211	237	367	364	395	466
Technological schools.....	212	226	331	381	444	477	511	518
Theological schools.....			160	170			363	368
Other independent professional schools.....			345	337			524	484
Junior colleges.....	145	153	163	221	345	347	347	431

¹ Charges are for the entire academic year.

² Rates are for a 7-day week throughout the academic year.

NOTE.—Data are for 48 States and D.C.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, Circular No. 685, *Higher Education, Basic Student Charges, 1961-62*.

Table 69.—Estimated current-fund expenditures of institutions of higher education, by purpose and control: United States and outlying parts, 1961-62

(Amounts in thousands of dollars)

Purpose	Current-fund expenditure, by control of institution					
	Public and private		Public		Private	
	Amount	Percent	Amount	Percent	Amount	Percent
Total current-fund expenditures	\$7,976,900	100.0	\$3,944,900	100.0	\$3,132,000	100.0
Educational and general expenditures.....	5,663,300	80.0	3,225,900	81.8	2,437,400	77.8
General administration and general expense.....	746,500	10.5	332,800	8.4	413,700	13.2
Instruction and departmental research.....	2,223,200	31.4	1,290,700	32.7	932,500	29.8
Libraries.....	180,300	2.5	95,300	2.4	85,000	2.7
Physical plant operation and maintenance.....	555,000	7.8	316,700	8.0	238,300	7.6
Organized research.....	1,334,000	18.9	736,200	18.7	597,800	19.1
Other educational and general expenditures.....	624,300	8.8	454,300	11.5	170,000	5.4
Auxiliary enterprise expenditures.....	1,177,400	16.6	640,700	16.2	536,800	17.1
Student-aid expenditures.....	236,200	3.3	78,300	2.0	157,900	5.0

NOTE.—Because of rounding, detail may not add to totals.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, *Survey of Financial Statistics of Institutions of Higher Education*.

**Table 70.—Expenditures of institutions of higher education:
United States and outlying parts, 1949-50 to 1959-60**

(In thousands of dollars)

Item	1949-50	1951-52	1953-54	1955-56	1957-58	1959-60
Current expenditures	\$2,250,041	\$2,484,729	\$2,992,466	\$3,574,744	\$4,543,562	\$4,627,962
Educational and general	1,717,918	1,933,645	2,288,351	2,788,799	3,634,142	4,536,066
General administration and general expense	214,477	235,426	290,533	358,380	478,166	587,336
Instruction and departmental research	785,420	827,737	966,769	1,148,510	1,477,350	1,802,871
Extension and public services	88,389	99,287	114,680	141,074	178,928	208,378
Libraries	56,484	60,948	73,638	86,133	110,510	135,913
Plant operation and maintenance	226,246	241,564	280,047	326,260	408,938	473,682
Organized research	227,344	320,362	374,922	506,097	733,887	1,024,398
Related activities	119,553	148,321	187,962	222,345	238,924	294,344
Sales and services expenditures	(1)	(1)	(1)	(1)	7,439	9,134
Auxiliary enterprises	477,983	479,333	539,326	639,721	778,034	917,943
Student-aid expenditures	(1)	39,795	74,789	96,224	131,386	173,963
Other current expenditures	64,045	33,456				
Gross additions to plant value	418,528	465,665	523,128	684,556	1,121,674	1,311,907

(1) Not tabulated separately; probably included in line above.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, *Biennial Survey of Education in the United States, 1956-58*, Chapter 4, Section II, Statistics of Higher Education: Receipts, Expenditures, and Property, 1957-58; and unpublished data.

Table 71.—Personal income, 1959, related to current expenditures for higher education, by State: 1959-60

State	Personal income, 1959 (millions of dollars)	Current expenditures for higher education 1959-60 ¹		State	Personal income, 1959 (millions of dollars)	Current expenditures for higher education 1959-60 ¹	
		Amount (thousands of dollars)	Percent of personal income			Amount (thousands of dollars)	Percent of personal income
U.S. and Puerto Rico	6383, 634	85, 633, 711	1.44	Missouri.....	9, 250	110, 899	1.20
50 States and D.C.	592, 583	5, 597, 665	1.44	Montana.....	1, 319	20, 199	1.53
Alabama.....	4, 602	63, 279	1.38	Nebraska.....	2, 757	41, 554	1.51
Alaska.....	555	5, 675	1.02	Nevada.....	757	5, 719	.76
Arizona.....	2, 398	33, 718	1.41	New Hampshire.....	1, 192	24, 792	2.08
Arkansas.....	2, 360	36, 229	1.54	New Jersey.....	15, 441	116, 795	.76
California.....	40, 915	724, 227	1.77	New Mexico.....	1, 689	28, 545	1.69
Colorado.....	3, 776	72, 943	1.93	New York.....	45, 016	565, 640	1.26
Connecticut.....	6, 939	83, 460	1.20	North Carolina.....	6, 752	129, 837	1.92
Delaware.....	1, 285	9, 225	.72	North Dakota.....	976	18, 440	1.89
District of Columbia.....	2, 380	65, 304	2.97	Ohio.....	21, 947	294, 707	1.02
Florida.....	9, 398	89, 896	.96	Oklahoma.....	4, 117	65, 667	1.60
Georgia.....	6, 075	79, 408	1.31	Oregon.....	3, 865	57, 069	1.48
Hawaii.....	1, 290	12, 873	1.00	Pennsylvania.....	24, 728	299, 174	1.21
Idaho.....	1, 186	16, 703	1.41	Rhode Island.....	1, 850	28, 108	1.52
Illinois.....	25, 643	366, 065	1.43	South Carolina.....	3, 157	43, 119	1.37
Indiana.....	9, 700	160, 286	1.65	South Dakota.....	1, 020	21, 167	2.08
Iowa.....	5, 409	104, 927	1.94	Tennessee.....	5, 348	81, 640	1.53
Kansas.....	4, 302	68, 638	1.60	Texas.....	18, 033	215, 633	1.20
Kentucky.....	4, 664	52, 656	1.15	Utah.....	1, 621	45, 727	2.82
Louisiana.....	5, 145	88, 918	1.73	Vermont.....	694	19, 680	2.83
Maine.....	1, 724	20, 815	1.21	Virginia.....	7, 041	94, 232	1.34
Maryland.....	7, 098	115, 376	1.63	Washington.....	6, 350	90, 714	1.43
Massachusetts.....	12, 887	306, 630	2.48	West Virginia.....	3, 060	30, 846	1.01
Michigan.....	17, 467	264, 778	1.52	Wisconsin.....	8, 306	112, 064	1.35
Minnesota.....	6, 658	119, 565	1.80	Wyoming.....	728	10, 542	1.45
Mississippi.....	2, 498	43, 272	1.74	Puerto Rico ²	1, 241	26, 306	2.12

¹ Not including U.S. service academies, Canal Zone, or Guam.

² Data from Office of Puerto Rico, Washington, D.C.

Source: U.S. Department of Health, Education, and Welfare, Office of Education, unpublished data; and U.S. Department of Commerce, Office of Business Economics, *Survey of Current Business*, August 1961.

Table 72.—Mean annual salaries of full-time faculty members in institutions of higher education, by portion of year employed, academic rank, control, and type of institution: United States, 1961-62

Type and control of institution	11-12 months		9-10 months				
	President	Dean (academic)	Professor	Associate professor	Assistant professor	Instructor	All 4 faculty ranks
All institutions							
Public.....	\$15,620	\$13,880	\$10,650	\$8,290	\$6,990	\$5,640	\$7,810
Private.....	13,980	10,980	9,830	7,470	6,320	5,340	7,170
University undergraduate							
Public.....	23,700	15,820	11,240	8,500	7,100	5,650	8,300
Private.....	28,510	14,220	11,990	8,500	6,950	5,670	8,620
Liberal arts undergraduate							
Public.....	16,780	12,630	10,360	8,260	6,980	5,780	7,710
Private.....	14,500	10,400	8,410	6,970	6,040	5,220	6,640
Teachers Colleges undergraduate							
Public.....	15,080	11,950	9,010	7,670	6,800	5,900	7,220
Private.....	14,490	11,310	(1)	(1)	(1)	4,830	5,420
Junior colleges							
Public.....	12,450	10,260	(2)	(2)	(2)	(2)	7,210
Private.....	10,010	7,630	(2)	(2)	(2)	(2)	5,180

¹ Data not available.

² Junior college faculty not ranked.

NOTE.—Data are for 48 States and D.C.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, Circular No. 683, *Higher Education Salaries, 1961-62*.

Table 73.—Mean annual salaries of full-time faculty members employed 9-10 months per year, all ranks combined, in institutions of higher education: United States, 1961-62

Type of institution, by size of enrollment	Average salary		
	Public and private	Public	Private
All institutions	\$7,580	\$7,810	\$7,170
4-year, total	7,680	7,920	7,290
10,000 and more.....	8,670	8,700	8,520
5,000-9,999.....	7,820	7,620	8,200
2,500-4,999.....	7,310	7,170	7,800
1,000-2,499.....	6,970	6,960	6,980
500-999.....	6,420	6,550	6,390
Below 500.....	5,680	6,590	5,600
2-year, total	6,840	7,210	5,180
2,500 and more.....	8,070	8,070	
1,000-2,499.....	6,840	7,130	5,750
500-999.....	6,110	6,190	5,660
Below 500.....	5,620	6,170	4,850

NOTE.—Data are for 48 States and D.C.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, Circular No. 683, *Higher Education Salaries, 1961-62*.

Table 74.—Property of institutions of higher education: United States and outlying parts, 1950 to 1960

[In thousands of dollars]

Item	1950	1952	1954	1956	1958	1960
Property values at end of year	87,843,383	99,777,708	111,345,265	123,372,239	116,947,133	139,224,872
Physical plant and plant funds.....	5,296,030	6,784,854	8,032,700	9,485,060	12,136,585	14,652,697
Physical plant.....	4,820,981	6,400,935	7,559,556	8,901,825	11,180,156	13,588,360
Unexpended plant funds..	475,049	383,919	473,144	583,235	956,429	1,064,337
Endowment and other non-expendable funds.....	2,647,273	2,992,854	3,312,565	3,837,229	4,810,538	5,572,175
Endowment funds.....	2,604,098	2,871,345	3,196,120	3,703,473	4,647,828	5,322,971
Annuity funds.....	(1)	74,641	67,253	75,275	91,473	122,757
Student loan funds.....	43,175	46,868	49,192	58,481	71,237	126,447

¹ Annuity funds tabulated with endowment funds.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, *Biennial Survey of Education in the United States, 1956-58*, Chapter 4, Section II, Statistics of Higher Education: Receipts, Expenditures, and Property, 1957-58; and unpublished data.

Table 75.—Physical plant value per student, institutions of higher education, by control and level: United States and outlying parts, 1958 and 1960

Control and level	Institutions		Plant value	
	Number	Enrollment ¹	Total ²	Per student
1958				
All institutions	1,940	3,977,914	611,189,156	63,818
4-year institutions.....	1,397	2,577,839	10,477,250	4,064
2-year institutions.....	543	350,075	702,906	2,008
Publicly controlled institutions ¹	671	1,645,468	6,462,133	3,927
4-year institutions.....	369	1,347,262	5,985,798	4,443
2-year institutions.....	302	298,206	476,335	1,597
Privately controlled institutions.....	1,269	1,282,446	4,718,023	3,679
4-year institutions.....	1,028	1,230,577	4,491,453	3,650
2-year institutions.....	241	51,869	226,570	4,368
1960				
All institutions	3,015	3,336,197	13,588,360	4,199
4-year institutions.....	1,440	2,831,022	12,702,007	4,487
2-year institutions.....	575	405,175	886,353	2,188
Publicly controlled institutions.....	704	1,847,621	7,848,415	4,248
4-year institutions.....	372	1,498,257	7,213,576	4,816
2-year institutions.....	332	349,364	634,839	1,817
Privately controlled institutions.....	1,311	1,388,576	5,739,945	4,134
4-year institutions.....	1,068	1,332,765	5,488,431	4,118
2-year institutions.....	243	55,811	251,514	4,507

¹ Resident degree-credit enrollment, full-time and part-time, first term 1957-58 and 1959-60.

² In thousands of dollars.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, *Biennial Survey of Education in the United States, 1956-58*, Chapter 4, Section II, Statistics of Higher Education: Receipts, Expenditures, and Property, 1957-58; and unpublished data.

Table 76.—Endowment funds of institutions of higher education, by control and level: United States and outlying parts, 1958 and 1960

Type of institution, by control and level:	Number	Enrollment ¹	Endowment funds ²	
			Total ³	Per student
1958				
All institutions.....	1,940	2,937,914	\$4,647,828	\$1,587
4-year institutions.....	1,397	2,577,839	4,600,980	1,785
2-year institutions.....	543	350,075	46,867	134
Publicly controlled institutions.....	671	1,645,468	877,798	533
4-year institutions.....	369	1,347,282	868,557	645
2-year institutions.....	302	298,206	9,241	31
Privately controlled institutions.....	1,269	1,282,446	3,770,030	2,940
4-year institutions.....	1,028	1,230,577	3,762,899	3,058
2-year institutions.....	241	51,869	7,131	137
1960				
All institutions.....	2,915	3,236,197	5,322,970	1,645
4-year institutions.....	1,440	2,831,022	5,272,272	1,862
2-year institutions.....	575	405,175	50,698	125
Publicly controlled institutions.....	704	1,847,621	956,051	517
4-year institutions.....	372	1,498,257	947,450	632
2-year institutions.....	332	349,364	8,601	25
Privately controlled institutions.....	1,311	1,388,576	4,366,919	3,145
4-year institutions.....	1,068	1,332,765	4,324,822	3,245
2-year institutions.....	243	55,811	42,097	754

¹ Resident degree-credit enrollment, full-time and part-time, first term 1957-58 and 1959-60.

² Including funds functioning as endowment.

³ In thousands of dollars.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, *Biennial Survey of Education in the United States, 1959-58*, Chapter 4, Section II, Statistics of Higher Education: Receipts, Expenditures, and Property, 1957-58; and unpublished data.

Table 77.—Student loan operations of institutions of higher education, by control: United States and outlying parts, 1959-60

Principal and loans	All institutions	Publicly controlled institutions	Privately controlled institutions
Principal at beginning of year.....	\$94,122,951	\$39,088,459	\$55,034,492
Additions to principal during year.....	34,200,013	16,283,402	17,916,611
Of these additions, private gifts and grants amounted to.....	5,619,067	1,570,175	4,048,912
Principal at end of year.....	128,446,502	54,445,832	72,000,670
Loans granted during year.....	53,423,165	27,827,245	25,595,920
Loans repaid during year.....	19,750,278	10,942,885	8,807,393
Loans outstanding, end of year.....	80,575,722	32,998,861	47,576,861
Unloaned funds, end of year.....	46,108,684	21,533,510	24,575,174

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, unpublished data.

Land-Grant Colleges and Universities

The land-grant college, a designation peculiar to the United States, owes its inception to the farsightedness of a member of the Congress and a President who were not college graduates. In 1859, Justin S. Morrill, a Representative and subsequently a Senator from Vermont, sponsored legislation giving to each State 30,000 acres of land or its equivalent in scrip. This was to be set up as a permanent, irreducible endowment fund by the recipient State for the establishment and maintenance of: ". . . at least one college where the leading object shall be, without excluding other scientific and classical studies and including military tactics, to teach . . . agriculture and the mechanic arts . . . in order to promote the liberal and practical education of the industrial classes in the several pursuits and professions in life."

First vetoed in 1859, this legislation was later passed by the Congress in 1862 and was approved by President Lincoln on July 2 of that year.

The provisions of the Morrill Act and its amendments have since been extended to other States as they were admitted to the Union. At present each of the 50 States has at least one land-grant institution; 17 States maintain two each. In addition, there is one in Puerto Rico, although there is none in the District of Columbia.

Land-grant colleges as a group have expanded more rapidly than higher education as a whole. The 68 institutions of this group now have approximately one-fifth of all higher education enrollment and an even greater proportion of operating funds and property. Many of them are classed as State universities; nearly all offer curriculums extending far beyond those specified in the original enactment.

Table 78.—Faculty, students, and degrees, land-grant institutions: United States and outlying parts, 1951-52 and 1961-62

Item	Academic year 1951-52	First term 1961-62
Faculty and other professional staff		
Total number of positions.....	81,231	180,663
Men.....	65,334	106,369
Women.....	15,897	24,294
Total number of different persons.....	73,942	117,100
Resident degree-credit enrollment		
Total.....	421,560	646,368
Men.....	302,382	439,783
Women.....	119,178	206,585
Graduate.....	59,288	92,254
Undergraduate (including special).....	362,272	554,114
Opening (fall) enrollment.....	378,854	1,689,281
First time in any college.....	79,418	157,414
Earned degrees conferred		
All 4-year degrees.....	(9)	76,535
Men.....	(9)	80,705
Women.....	(9)	25,830
First-professional requiring 5 or more years.....	(9)	8,059
Men.....	(9)	7,280
Women.....	(9)	779
Bachelor's and first professional.....	71,642	84,594
Men.....	53,834	57,965
Women.....	17,808	26,609
Master's.....	15,655	21,306
Men.....	(9)	16,312
Women.....	(9)	4,994
Doctor's.....	2,797	4,658
Men.....	(9)	4,280
Women.....	(9)	378

¹ Includes extension students.

² Data not available.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, Bulletin 1953, No. 1, *Statistics of Land-Grant Colleges and Universities, Year Ended June 30, 1952*; Bulletin 1952, No. 2, *Statistics of Land-Grant Colleges and Universities, Year Ended June 30, 1951*; and unpublished data.

Table 79.—Financial statistics, land-grant institutions: United States and outlying parts, 1951-52 and 1961-62

[In thousands of dollars]

Item	1951-52	1961-62
INCOME		
Current income.....	6815,999	62,336,576
Educational and general.....	670,674	1,916,050
Student fees.....	59,169	190,877
Federal Government:		
Land-grant regular appropriations.....	49,376	103,135
Research.....	99,610	534,862
Other purposes.....	30,653	22,535
State governments.....	334,157	820,435
Local governments.....	4,231	9,412
Endowment earnings.....	9,557	15,764
Private gifts and grants.....	24,036	72,520
Related activities.....	49,163	81,293
Other educational and general.....	10,723	65,217
Auxiliary enterprises.....	136,008	294,302
Noneducational income.....	9,218	
Student-aid income.....		26,224
Other current income.....		
Receipts for plant expansion.....	91,871	444,188
Federal Government.....	1,218	13,440
State governments.....	57,310	189,750
Local governments.....		314
Private gifts and grants.....	5,651	9,160
Miscellaneous receipts.....	27,691	233,524

Table 79.—Financial statistics, land-grant institutions: United States and outlying parts, 1951-52 and 1961-62—Continued
 [In thousands of dollars]

Item	1951-52	1961-62
INCOME—Continued		
Private gifts and grants for fund increases:		
Endowment funds.....	314,681	333,994
Annuity funds.....	16	725
Student loan funds.....	236	2,201
EXPENDITURES		
Current expenditures.....	771,838	2,179,166
Educational and general.....	633,870	1,853,954
General administration and general expense.....	49,823	144,919
Instruction and departmental research.....	204,138	536,632
Extension and public service.....	83,789	189,151
Libraries.....	15,490	40,565
Plant operation and maintenance.....	60,982	135,073
Organized research.....	174,508	696,127
Related activities.....	45,141	111,487
Auxiliary enterprises.....	123,466	271,597
Other noneducational expenses.....	14,491	
Student-aid expenditures.....		44,637
Expenditures for plant expansion.....	112,178	326,616
PROPERTY		
Property values at end of year.....	2,093,013	5,443,371
Physical plant and plant funds.....	1,758,284	4,608,212
Physical plant.....	1,592,210	4,296,890
Unexpended plant funds.....	166,074	311,332
Endowment and other nonexpendable funds.....	334,729	835,159
Endowment funds.....	311,442	796,835
Annuity funds.....	13,426	12,431
Student loan funds.....	9,860	25,893

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, Bulletin 1963, No. 1, *Statistics of Land-Grant Colleges and Universities, Year Ended June 30, 1963*; and unpublished data.

Table 80.—Funds of Federal origin, land-grant institutions: United States and outlying parts, 1961-62

All Federal funds.....	\$678,344,992
Total appropriations.....	\$103,134,597
Funds for instruction and facilities (Morrill-Nelson and Bankhead-Jones funds).....	10,744,000
Funds for research (experiment stations).....	33,306,536
Hatch funds as amended.....	32,800,589
Research under Agriculture Marketing Act.....	505,947
Funds for cooperative extension.....	59,084,061
Smith-Lever funds (Act of 1914 as amended).....	57,597,841
Extension under Agriculture Marketing Act.....	1,486,220
Total endowment income under land-grant funds.....	4,363,453
From 1962 land-grant funds.....	2,919,418
From other Federal land-grant funds.....	1,444,134
Other Federal funds.....	579,836,843
For educational and general purposes.....	557,397,026
Federal research funds (exclusive of experiment stations research funds).....	534,861,621
Other Federal grants and payments.....	22,535,406
For plant expansion.....	13,439,817

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, unpublished data.

CHAPTER III

All Levels of Education

THE TABLES in this chapter deal with all levels of education, from the nursery school and kindergarten to the university graduate school. Some tables show enrollment in all public and nonpublic educational institutions at the elementary and secondary and college and university levels; others show the number of teachers and amount of educational expenditures for all levels of education in the United States.

A few tables deal with economic factors, upon which the whole system of American education has an impact. For example, one table shows total educational expenditures from all sources as a percentage of personal income, and another shows State and local expenditures for education as a percentage of personal income. The relationship between education and lifetime earnings is also shown.

Several tables deal with general topics that are descriptive of the total educational picture in the United States. Examples are tables showing retention, percentage of persons enrolled in school, and educational attainment.

Table 81.—Estimated fall enrollment in educational institutions, by grade level and by type of school: United States, 1962 and 1963

[In thousands]

Grade level and type of school	Fall 1962 ¹	Fall 1963 ¹
Total, elementary, secondary, and higher education	49,819	51,486
Kindergarten through grade 8.....	34,131	35,000
Public school systems (regular full-time).....	28,731	29,400
Nonpublic schools (regular full-time).....	5,200	5,400
Other schools ²	209	200
Grades 9 through 12.....	11,506	12,100
Public school systems (regular full-time).....	10,106	10,700
Nonpublic schools (regular full-time).....	1,300	1,300
Other schools ²	100	100
Kindergarten through grade 12.....	45,637	47,100
Public school systems (regular full-time).....	38,837	40,100
Nonpublic schools (regular full-time).....	6,500	6,700
Other schools ²	300	300
Higher education: Universities, colleges, professional schools, junior colleges, normal schools, and teachers colleges (degree-credit enrollment).....	4,175	4,386

¹ The 1962 figures for nonpublic and other elementary and secondary schools, and all 1963 figures are estimates. In the case of nonpublic elementary and secondary schools, the enrollment data come from a sample survey and are subject to sampling variation; consequently, the estimates for nonpublic schools are not as reliable as those for public schools or for higher education. The estimates for 1963 are derived from the increases expected from population changes combined within the long-run trend in school enrollment rates of the population.

² Includes Federal schools for Indians, federally operated elementary-secondary schools on posts, model and practice schools in teacher training institutions, subcollegiate departments of colleges, and residential schools for exceptional children.

NOTE.—These Office of Education estimates of fall enrollment are smaller than the figures for total enrollment during the school year.

Table 82.—Enrollment in educational institutions, by level of instruction and by type of control: United States, 1959-60

Level of instruction, by type of school	Enrollment in all schools			Enrollment in publicly controlled schools			Enrollment in privately controlled schools		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
	All levels (elementary, secondary, higher)	14,818,084	12,814,918	19,983,889	28,119,874	19,745,894	18,341,958	7,116,944	3,765,429	2,341,517
Elementary and secondary	42,012,078	21,434,327	20,577,749	36,278,892	18,571,828	17,707,268	5,733,184	2,962,701	2,870,493
Kindergarten-grade 8	32,412,286	16,063,631	15,728,653	27,747,428	14,330,049	13,417,379	4,664,528	2,355,872	2,309,246
Higher education	9,599,810	4,748,096	4,831,114	8,531,454	4,341,867	4,289,887	1,068,356	507,126	561,222
Kindergarten	1,306,528	2,080,588	1,225,940	1,831,782	1,177,060	654,722	1,353,762	972,728	481,034
Regular	2,288,862	1,167,870	1,120,822	1,933,026	1,001,018	832,008	355,664	168,852	188,814
Subcollegiate departments of institutions of higher education	2,276,712	1,161,730	1,114,982	1,922,712	998,730	928,982	364,000	168,000	198,000
Federal schools for Indians	5,831	2,994	2,835	4,186	2,114	2,071	1,666	852	816
Federal schools on Federal installations	3,987	2,066	1,922	3,987	2,065	1,922	0	0	0
Grades 1-8, inclusive	2,142	1,109	1,033	2,142	1,109	1,033	0	0	0
Regular	30,124,574	15,817,761	14,604,813	25,814,412	13,329,041	12,688,871	4,368,162	2,188,720	2,120,442
Subcollegiate departments of institutions of higher education	29,994,887	15,431,057	14,533,829	25,679,190	13,255,549	12,423,641	4,285,666	2,173,508	2,110,188
Residential schools for exceptional children	50,903	28,808	22,297	42,227	21,294	20,943	8,666	4,312	4,354
Federal schools for Indians	64,200	33,600	25,600	49,400	29,700	19,700	14,800	8,900	5,900
Federal schools on Federal installations	24,522	12,658	11,864	24,522	12,658	11,864	0	0	0
Grades 9-12 and postgraduate	19,063	9,940	9,223	19,063	9,840	9,223	0	0	0
Regular	9,599,810	4,748,096	4,831,114	8,531,454	4,241,567	4,289,887	1,068,356	507,129	561,227
Subcollegiate departments of institutions of higher education	9,520,116	4,701,952	4,818,154	8,484,869	4,216,208	4,268,661	1,035,247	485,764	549,498
Residential schools for exceptional children	43,209	25,812	17,367	18,000	9,227	8,783	25,209	16,875	8,334
Federal schools for Indians	23,800	14,600	9,200	15,900	9,800	6,100	7,900	4,800	3,100
Federal schools on Federal installations	11,666	5,806	5,879	11,666	5,806	5,879	0	0	0
Grades 9-12 and postgraduate	1,000	516	484	1,000	516	484	0	0	0

Higher education.....	1 3,304,528	1 2,080,568	1 1,225,940	1 1,631,762	1 1,177,060	1 654,722	1 1,383,762	1 902,728	1 481,034
Resident degree-credit enrollment (first term of academic year).....	2,215,644	2,079,788	1,135,756	1,631,762	1,177,060	654,722	1,383,762	902,728	481,034
Undergraduate.....	2,573,724	1,835,341	1,038,263	1,653,997	1,042,938	601,049	1,219,727	782,403	437,324
Graduate.....	341,820	244,447	97,473	177,765	124,122	53,653	164,036	120,325	43,710
Schools of nursing not affiliated with institutions of higher education.....	90,984	800	90,184	(*)	(*)	(*)	(*)	(*)	(*)

* Includes 90,984 students (800 men and 90,184 women) in schools of nursing not distributed by type of control.
 † Includes enrollments in local public school systems and in nonpublic schools (church affiliated and nonsectarian). Excludes subcollegiate departments of institutions of higher education, residential schools for exceptional children, and Federal schools.
 ‡ Distribution by sex estimated.
 § Data from Bureau of the Census, *Current Population Reports*, Series P-20, No. 101.
 ¶ Data for 1967-68.
 †† Estimated.
 ‡‡ Estimates based on February 1968 survey.

* Includes kindergarten enrollment.
 † Data not available.

NOTE.—Data are for 50 States and D. C.

SOURCES: U. S. Department of Health, Education, and Welfare, Office of Education, *Statistics of State School Systems, 1969-70*, and *Total Enrollment in Institutions of Higher Education, First Term, 1969-70*; U. S. Department of the Interior, Bureau of Indian Affairs, *Statistics Concerning Indian Education*, fiscal year 1960; the National League for Nursing, Inc., New York; and unpublished data available in the Office of Education.



Table 83.—Enrollment in educational institutions, by level of instruction and by type of control: United States, 1899-1900 to 1959-60

Level of instruction, by type of school	1899-1900	1909-10	1919-20	1929-30	1939-40	1949-50	1957-58	1959-60
All levels (elementary, secondary, higher):	17,186,941	19,999,149	24,041,778	29,652,377	29,751,293	31,319,371	42,299,993	45,277,639
Elementary and secondary:	16,961,249	19,642,933	23,463,898	28,551,640	28,257,000	28,690,240	38,997,076	42,012,076
Kindergarten-grade 8:	16,261,846	18,628,535	20,963,722	23,729,840	21,127,021	22,207,241	30,127,860	32,412,286
Grades 9-12 and postgraduate:	699,403	1,115,298	2,500,176	4,811,800	7,129,979	6,453,009	8,869,186	9,599,810
Higher education:	237,592	355,215	597,880	1,100,737	1,494,203	2,659,021	3,283,917	3,216,544
Kindergarten:	225,394	346,189	510,949	781,299	655,132	1,170,853	2,135,917	2,288,692
Public:	131,657	203,970	451,296	723,443	594,647	1,024,203	1,771,753	1,922,712
Nonpublic:	93,737	152,219	29,683	64,456	57,341	133,000	353,000	354,000
Subcollegiate departments of institutions of higher education:	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	5,801	5,851
Federal schools for Indians:	(¹)	(¹)	(¹)	3,400	3,144	3,650	3,904	3,987
Federal schools on Federal installations:	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	1,459	2,142
Grades 1-8, inclusive:	16,036,452	18,182,246	20,452,773	22,958,541	20,471,889	21,026,388	27,991,973	30,123,574
Public:	14,852,202	16,604,821	18,897,661	20,555,150	18,237,451	18,352,603	22,897,067	25,679,190
Nonpublic:	1,147,188	1,506,215	1,456,678	2,255,430	2,096,938	2,574,777	3,943,806	4,285,696
Subcollegiate departments of institutions of higher education:	(¹)	(¹)	(¹)	(¹)	59,547	35,652	50,425	50,903
Residential schools for exceptional children:	37,062	71,307	109,224	112,317	61,731	53,353	64,200	64,200
Federal schools for Indians:	(¹)	(¹)	(¹)	18,644	17,222	19,973	20,782	24,522
Federal schools on Federal installations:	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	15,663	19,063
Grades 9-12 and postgraduate:	699,403	1,115,298	2,500,176	4,811,800	7,129,979	6,453,009	8,869,186	9,599,810
Public:	519,251	915,061	2,200,399	4,399,422	6,801,444	6,724,621	7,859,771	8,494,909
Nonpublic:	180,797	117,400	218,920	341,158	457,768	672,392	1,030,008	1,104,247
Subcollegiate departments of institutions of higher education:	65,855	78,932	81,367	59,267	54,070	38,162	42,974	43,209
Residential schools for exceptional children:	3,500	4,005	10,400	11,438	6,777	9,784	12,800	12,800
Federal schools for Indians:	(¹)	(¹)	(¹)	7,545	6,970	8,080	11,360	11,656
Federal schools on Federal installations:	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	11,643	1,000

Higher education 1.....	237, 592	355, 215	597, 880	1, 100, 737	1, 494, 203	2, 659, 021	3, 283, 917	3, 215, 544
Publicly controlled.....	90, 689	165, 560	315, 382	532, 647	796, 531	1, 354, 902	1, 876, 898	1, 831, 752
Privately controlled.....	146, 903	188, 655	282, 498	568, 090	697, 672	1, 304, 119	1, 407, 019	1, 383, 792

1 Excludes schools of nursing not affiliated with institutions of higher education.

2 Data for first term of the academic year.

3 Excludes subcollegiate departments of institutions of higher education, residential schools for exceptional children, and Federal schools.

4 Data for 1911-12.

5 Data from Bureau of the Census, *Current Population Reports, Series P-20, Nos. 46, 80, and 101.*

6 Data not available.

7 Data for 1957-58.

8 Estimated.

9 Includes enrollment in kindergarten.

10 Data for 1917-18.

11 Data for 1926-27.

12 Data for 1945-46.

13 Estimates based on February 1958 survey. Revised since originally published.

NOTE.—Beginning in 1959-60, includes Alaska and Hawaii.

SOURCES: U.S. Department of Health, Education, and Welfare, Office of Education, *Biennial Survey of Education in the United States*, chapters on State School Systems, Higher Education, and Special Education for Exceptional Children; *Statistics of State School Systems, 1959-60*; and *Total Enrollment in Institutions of Higher Education, First Term, 1959-60*; U.S. Department of the Interior, Bureau of Indian Affairs, *Statistics Concerning Indian Education*, fiscal year 1960; and unpublished data available in the Office of Education.

Table 84.—Percent of the population 5 to 34 years old enrolled in school, by age: United States, October 1947 to 1962

Year	Total 5 to 34 years	5 years ¹	6 years ¹	7 to 9 years	10 to 13 years	14 and 15 years	16 and 17 years	18 and 19 years	20 to 24 years	25 to 29 years	30 to 34 years
1	2	3	4	5	6	7	8	9	10	11	12
1947.....	42.3	53.4	96.2	98.4	98.6	91.6	67.6	24.3	10.2	3.0	1.0
1948.....	43.1	55.0	96.2	98.3	98.0	92.7	71.2	26.9	9.7	2.6	.9
1949.....	43.9	55.1	96.2	98.5	98.7	93.5	69.5	25.3	9.2	3.8	1.1
1950.....	44.2	51.8	97.0	98.9	98.6	94.7	71.3	29.4	9.0	3.0	.9
1951.....	45.4	53.8	96.0	99.0	99.2	94.8	75.1	26.3	8.3	2.5	.7
1952.....	46.8	57.8	96.8	98.7	98.9	96.2	73.4	28.7	9.5	2.6	1.2
1953.....	48.8	58.4	97.7	99.4	99.4	96.5	74.7	31.2	11.1	2.9	1.7
1954.....	50.0	57.7	96.8	99.2	99.5	95.8	78.0	32.4	11.2	4.1	1.5
1955.....	50.8	58.1	98.2	99.2	99.2	95.9	77.4	31.5	11.1	4.2	1.6
1956.....	52.3	58.9	97.0	99.4	99.2	96.9	78.4	35.4	12.8	5.1	1.9
1957.....	53.6	60.2	97.4	99.5	99.5	97.1	80.5	34.9	14.0	5.5	1.8
1958.....	54.8	63.8	97.3	99.5	99.5	98.9	80.6	37.6	13.4	5.7	2.2
1959.....	55.5	62.9	97.5	99.4	99.4	97.5	82.9	36.8	12.7	5.1	2.2
1960.....	56.4	63.7	98.0	99.6	99.5	97.8	82.6	38.4	13.1	4.9	2.4
1961.....	56.8	66.3	97.4	99.4	99.3	97.6	83.6	38.0	13.7	4.4	2.0
1962.....	57.8	66.8	97.9	99.2	99.3	98.0	84.3	41.8	15.6	5.0	2.6

¹ Includes children enrolled in kindergarten.

SOURCE: U.S. Department of Commerce, Bureau of the Census, *Current Population Reports*, Series P-20, No. 117; and unpublished data.

Table 85.—Estimated number of classroom teachers in public and nonpublic elementary and secondary schools, and total instructional staff for resident degree-credit courses in institutions of higher education: United States, 1962-63 and 1963-64

[Includes full-time and part-time teachers and staff]

Item	Estimated	
	1962-63	1963-64
Total	2,978,000	2,153,000
Classroom teachers in public and nonpublic elementary and secondary schools ¹	1,744,000	1,807,000
Instructional staff for resident degree-credit courses in institutions of higher education ²	334,000	345,000

¹ Includes elementary and secondary classroom teachers in regular public and nonpublic schools and other schools, such as Federal schools for Indians, federally operated schools on posts, practice schools in teacher-training institutions, subcollegiate departments of colleges, and residential schools for exceptional children.

Estimates are based on actual and expected enrollments, and continuation of 1961-62 pupil-teacher ratios.

² Includes full-time and part-time staff with the rank of instructor or above, and junior instructional staff such as graduate assistants, for resident instruction in degree-credit courses.

Estimates are based on actual and expected enrollment, and on expected slight increases in 1961-62 student-staff ratios.

Table 86.—Number of teachers¹ in elementary and secondary schools, and instructional staff members² in institutions of higher education: United States, 1929-30 to 1959-60

Type of institution, by level	1929-30		1939-40		1949-50		1957-58		1959-60	
	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women
	2	3	4	5	6	7	8	9	10	11
All levels	216,376	618,748	296,331	799,763	367,496	969,993	573,247	1,104,376	657,706	1,172,549
ELEMENTARY AND SECONDARY SCHOOLS	154,963	706,176	212,084	769,182	221,636	823,590	364,985	1,064,554	430,436	1,119,314
Elementary schools (including kindergartens) ³	68,705	633,819	70,187	569,890	58,407	607,258	105,066	784,471	124,566	828,865
Public	67,239	573,718	67,140	508,090	52,928	536,653	99,846	678,478	117,616	716,156
Nonpublic	1,466	60,101	3,047	61,800	5,482	70,605	5,220	105,993	6,960	112,709
Secondary schools (including junior, senior, junior-senior, and regular high schools) ⁴	82,669	162,405	138,394	192,023	158,536	207,741	253,682	257,916	299,239	277,921
Public	74,632	138,774	126,837	173,440	142,043	182,050	231,817	227,708	276,054	246,132
Nonpublic	8,157	13,631	11,547	18,583	16,493	25,691	21,865	30,208	24,185	31,789
Miscellaneous elementary and secondary schools	1,664	1,251	1,968	1,763	3,031	2,785	3,572	5,546	3,973	5,739
Subcollegiate departments of colleges	339	246	524	369	1,447	1,651	2,172	3,888	2,222	3,935
Publicly controlled	1,225	1,005	1,444	1,394	1,584	1,134	1,450	1,658	1,751	1,804
Privately controlled	1,578	6,571	1,107	4,899	1,148	4,771	1,900	5,600	1,900	5,900
Residential schools for exceptional children	447	1,132	438	947	713	1,035	765	1,071	768	1,189
Federal schools for Indians										
HIGHER EDUCATION	61,292	23,580	86,247	30,570	145,861	44,492	207,362	50,822	227,270	54,236
Publicly controlled	24,401	12,904	35,702	14,311	66,462	21,245	105,596	25,764	116,836	27,706
Privately controlled	36,891	10,676	50,545	16,259	79,399	23,247	101,766	25,058	110,434	26,531

¹ Number of teaching positions: includes librarians and guidance and psychological personnel when not separately reported; excludes supervisors and principals.

² Includes faculty for resident instruction in degree-credit courses; excludes faculty engaged in administration, research, extension work, etc.

³ Excludes subcollegiate departments of institutions of higher education, residential schools for exceptional children, and Federal schools.

⁴ Data for 1927-28.

⁵ Estimated.

⁶ Data for 1926-27.

⁷ Distribution by sex estimated.

⁸ Data for 1945-46.

⁹ Data for first term of academic year.

NOTE.—Beginning in 1959-60, includes Alaska and Hawaii.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, *Biennial Survey of Education in the United States*, chapters on Statistical Summary of Education; and unpublished data available in the Office of Education.

Table 87.—Number of local basic administrative units (school districts), and number of schools of specified types, by region and State: 1959-60

Region and State	Public school systems			Nonpublic schools		Institutions of higher education ¹		Schools of nursing not affiliated with colleges and universities ²	
	Number of school districts	Elementary schools		Secondary schools ³	Elementary	Secondary ⁴	Public		Private
		Total	One-teacher						
1	2	3	4	5	6	7	8	9	10
United States.....	49, 539	91, 553	39, 313	25, 784	12, 574	4, 061	791	1, 397	899
NORTH ATLANTIC.....	4, 577	15, 127	688	4, 474	4, 478	1, 494	130	439	350
Connecticut.....	175	781	5	214	207	90	6	24	17
Delaware.....	94	146	20	55	39	18	2	2	6
Maine.....	461	1, 006	199	178	77	60	7	13	5
Maryland.....	24	810	19	258	359	95	17	22	17
Massachusetts.....	376	1, 061	7	679	510	230	17	70	51
New Hampshire.....	230	397	41	92	51	48	5	6	11
New Jersey.....	588	1, 646	1	329	490	140	9	29	35
New York.....	1, 340	3, 654	57	1, 471	1, 300	430	42	122	94
Pennsylvania.....	7, 966	4, 179	247	1, 006	1, 224	299	16	108	102
Rhode Island.....	39	284	6	66	100	30	2	8	5
Vermont.....	263	402	86	85	35	25	4	11	3
District of Columbia.....	1	131	-----	41	56	29	3	24	4
GREAT LAKES AND PLAINS.....	25, 857	37, 546	13, 988	8, 017	5, 322	1, 191	189	394	287
Illinois.....	1, 685	3, 582	237	931	1, 054	176	20	85	65
Indiana.....	928	1, 896	48	749	360	60	6	36	17
Iowa.....	2, 022	3, 806	863	762	353	110	19	31	24
Kansas.....	2, 610	2, 648	790	680	219	47	21	24	20
Michigan.....	2, 099	4, 035	943	893	699	240	24	35	23
Minnesota.....	2, 581	3, 369	1, 379	612	484	97	15	28	17
Missouri.....	1, 921	2, 500	583	640	450	100	14	45	22
Nebraska.....	3, 777	3, 500	2, 543	453	246	66	10	13	10
North Dakota.....	1, 351	1, 411	1, 143	352	72	22	11	1	9
Ohio.....	936	3, 024	15	1, 113	639	153	9	58	53
South Dakota.....	3, 070	3, 583	3, 130	266	86	20	7	9	7
Wisconsin.....	2, 877	4, 192	2, 314	566	660	100	33	29	20
SOUTHEAST.....	1, 847	21, 473	3, 457	7, 386	1, 476	670	148	285	160
Alabama.....	114	2, 173	207	1, 292	125	40	9	19	10
Arkansas.....	422	1, 115	110	590	79	16	8	11	6
Florida.....	67	1, 327	34	533	280	109	19	16	9
Georgia.....	197	1, 682	13	598	53	30	21	28	12
Kentucky.....	212	2, 743	1, 244	434	268	89	8	31	13
Louisiana.....	67	1, 207	13	659	219	114	10	12	6
Mississippi.....	151	1, 338	192	606	63	46	25	18	7
North Carolina.....	174	2, 019	26	900	90	45	16	44	30
South Carolina.....	108	1, 003	10	416	50	31	6	25	12
Tennessee.....	153	2, 507	421	525	100	50	7	39	12
Virginia.....	127	1, 888	241	461	90	75	8	33	28
West Virginia.....	55	2, 471	946	372	59	25	11	9	15

See footnotes at end of table.

Table 87.—Number of local basic administrative units (school districts), and number of schools of specified types, by region and State: 1959-60—Continued

Region and State	Public school systems			Nonpublic schools		Institutions of higher education ¹		Schools of nursing not affiliated with colleges and universities ²	
	Number of school districts	Elementary schools		Secondary schools ³	Elementary ⁴	Secondary ⁵	Public		Private
		Total	One-teacher						
1	2	3	4	5	6	7	8	9	10
WEST AND SOUTH-WEST	8,239	17,707	2,080	5,907	2,298	706	225	189	92
Arizona.....	308	519	41	92	4 165	4 40	5	2	3
California.....	1,721	4,647	4 244	876	4 900	4 280	77	75	25
Colorado.....	522	885	142	4 385	4 125	4 40	13	8	5
Idaho.....	156	420	48	215	42	7	5	3	1
Montana.....	1,234	1,513	675	193	66	19	8	3	3
Nevada.....	17	171	38	45	17	2	1		
New Mexico.....	91	506	78	173	79	23	7	2	1
Oklahoma.....	1,322	1,866	305	930	4 75	25	23	11	8
Oregon.....	572	1,071	79	275	123	34	9	18	4
Texas.....	1,581	3,780	66	1,888	4 415	4 120	51	48	27
Utah.....	40	401	16	153	20	9	4	4	3
Washington.....	425	1,166	45	455	4 150	49	15	12	10
Wyoming.....	223	460	253	123	16	2	5		
Alaska.....	29	136	40	45	23	9	1		
Hawaii.....	1	166	10	59	82	11 47	1	3	2
U.S. Service Schools							9		
Outlying parts									
American Samoa.....	1	46	2	7	7	1			
Canal Zone.....	1	14		9	1		1		
Guam.....	1	21	1	3	5	7	1		
Puerto Rico.....	1	1,847	543	453	10 107	10 98	1	4	8
Virgin Islands.....	1	20	4	3	11	3			

¹ Includes universities, liberal arts colleges, teachers colleges and other independent professional schools, and junior colleges.

² Includes regular 4-year high schools, junior high schools, senior high schools, and junior-senior high schools.

³ Data as of October 1959, supplied by the National League for Nursing, Inc.

⁴ Estimated.

⁵ Data refer to number of school buildings distributed by level of school housed.

⁶ Represents number of school districts instead of number of schools.

⁷ Data as of September 1960. In those instances where two or more school districts have organized into jointures for purposes of operating schools, the larger operating unit (jointure) is the administrative unit counted here.

⁸ Data for 1958-59.

⁹ Excludes vocational schools not operated as part of the regular public school system.

¹⁰ Georgia has 198 school districts; however, one independent (city) district operates as part of the county in which it is located.

¹¹ Number of schools with grade 7 and above.

¹² Number of accredited schools only.

SOURCES: U.S. Department of Health, Education, and Welfare, Office of Education, *Statistics of State School Systems: 1959-60* and *Total Enrollment in Institutions of Higher Education, First Term, 1959-60*; and the National League for Nursing, Inc., New York.

Table 88.—Estimated retention rates,¹ 5th grade through college entrance, in public and nonpublic schools: United States, 1942-50 to 1954-62

School year of entrance into 5th grade	Retention per 1,000 pupils who entered 5th grade								High school graduates	Year of high school graduation	First-time college students
	5th grade ²	6th grade	7th grade	8th grade	9th grade	10th grade	11th grade	12th grade			
1	2	3	4	5	6	7	8	9	10	11	12
1942-43.....	1,000	909	847	807	713	604	539	505	1950	205	
1943-44.....	1,000	972	914	870	827	745	630	557	1951	218	
1944-45.....	1,000	932	929	858	848	748	650	549	1952	234	
1945-46.....	1,000	959	944	875	872	766	662	552	1953	266	
1946-47.....	1,000	954	945	919	872	775	641	553	1954	283	
1947-48.....	1,000	971	948	919	858	748	670	594	1955	286	
1948-49.....	1,000	984	956	929	863	795	706	619	1956	301	
1949-50.....	1,000	984	967	918	874	795	698	614	1957	303	
1950-51.....	1,000	981	968	921	886	809	709	632	1958	308	
1951-52.....	1,000	981	965	937	890	820	719	640	1959	315	
1952-53.....	1,000	974	965	936	904	835	746	667	1960	328	
1953-54.....	1,000	990	974	943	913	852	759	680	1961	334	
1954-55.....	1,000	980	979	948	919	855	764	684	1962	336	

¹ Rates for the 5th grade through high school graduation are based on enrollments in successive grades in successive years in public elementary and secondary schools and are adjusted to include estimates for nonpublic schools. Rates for first-time college enrollment are based on data supplied to the Office of Education by institutions of higher education.

² 5th grade in 12-grade systems; 4th grade in 11-grade systems.

NOTE.—Data are for 48 States and D.C.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, *Biennial Survey of Education in the United States*, chapters on Statistical Summary of Education; and unpublished data available in the Office of Education.

Table 89.—Level of school completed by persons 25 years old and over and 25 to 29 years old, by color: United States, 1940 to 1962

Date, age, and color	Percent by level of school completed			Median school years completed
	Less than 5 years of elementary school	4 years of high school or more	4 or more years of college	
WHITE AND NON WHITE				
25 years and over:				
March 1962.....	7.8	46.3	8.9	11.4
March 1959.....	8.0	42.9	7.9	11.0
March 1957.....	9.0	40.8	7.5	10.6
October 1952.....	9.1	38.4	6.9	10.1
April 1950.....	10.8	33.4	6.0	9.3
April 1947.....	10.4	32.6	5.4	9.0
April 1940.....	13.5	24.1	4.6	8.4
25 to 29 years:				
March 1962.....	2.4	65.9	13.1	12.4
March 1959.....	3.0	63.3	11.0	12.3
October 1952.....	3.8	56.7	10.0	12.2
April 1950.....	4.6	51.7	7.7	12.1
April 1940.....	5.9	37.8	5.8	10.4
NONWHITE				
25 years and over:				
March 1962.....	22.1	24.8	4.0	8.6
March 1959.....	23.5	20.0	3.2	8.1
March 1957.....	26.9	17.8	2.8	7.7
October 1952.....	30.3	14.7	2.4	7.1
April 1950.....	31.5	13.2	2.2	6.8
April 1947.....	31.4	13.2	2.4	6.9
April 1940.....	41.1	7.5	1.8	5.8
25 to 29 years:				
March 1962.....	6.1	41.6	4.2	11.2
March 1959.....	7.8	39.1	4.6	10.9
October 1952.....	15.2	27.8	4.6	9.3
April 1950.....	15.6	22.9	2.8	8.7
April 1940.....	26.7	12.1	1.8	7.1

NOTE.—Beginning in 1962, includes Alaska and Hawaii. Data for 1962 are not strictly comparable with earlier years.

SOURCE: U.S. Department of Commerce, Bureau of the Census, *Current Population Reports*, Series P-20, No. 99 and No. 121.

Table 90.—Median school years completed by persons 25 years old and over, by region, division, and State: 1960

Region, division, and State	Median school years completed				
	Total			White	Nonwhite
	Both sexes	Male	Female		
United States.....	10.6	10.3	10.9	10.9	8.3
REGION					
Northeast.....	10.7	10.5	10.8	10.8	9.2
North Central.....	10.7	10.3	11.0	10.8	9.0
South.....	9.6	9.1	9.9	10.4	7.1
West.....	12.0	11.8	12.1	12.1	10.0
Northeast:					
New England.....	11.2	10.9	11.5	11.2	9.8
Middle Atlantic.....	10.5	10.4	10.6	10.7	9.1
North Central:					
East North Central.....	10.7	10.4	10.9	10.9	9.0
West North Central.....	10.7	10.0	11.3	10.5	8.9
South:					
South Atlantic.....	9.8	9.3	10.2	10.7	7.1
East South Central.....	8.8	8.6	9.0	9.3	6.7
West South Central.....	9.9	9.6	10.2	10.6	7.3
West:					
Mountain.....	12.0	11.5	12.1	12.0	8.4
Pacific.....	12.0	11.9	12.1	12.1	10.3
DIVISION					
New England:					
Maine.....	11.0	10.5	11.5	11.0	10.7
New Hampshire.....	10.9	10.5	11.3	10.9	11.7
Vermont.....	10.9	10.0	11.6	10.9	10.5
Massachusetts.....	11.6	11.3	11.8	11.6	10.3
Rhode Island.....	10.0	10.0	10.0	10.0	9.5
Connecticut.....	11.0	10.8	11.3	11.1	9.1
Middle Atlantic:					
New York.....	10.7	10.6	10.7	10.8	9.4
New Jersey.....	10.6	10.6	10.7	10.8	8.8
Pennsylvania.....	10.2	10.0	10.4	10.3	8.9
East North Central:					
Ohio.....	10.9	10.6	11.1	11.0	9.1
Indiana.....	10.8	10.5	11.0	10.9	9.0
Illinois.....	10.5	10.4	10.6	10.7	9.0
Michigan.....	10.8	10.4	11.1	11.0	9.1
Wisconsin.....	10.4	9.8	10.9	10.4	9.0

Table 90.—Median school years completed by persons 25 years old and over, by region, division, and State: 1960—Continued

Region, division, and State	Median school years completed				
	Total			White	Nonwhite
	Both sexes	Male	Female		
DIVISION—Continued					
West North Central:					
Minnesota.....	10.8	9.9	11.6	10.8	9.1
Iowa.....	11.3	10.4	12.0	11.3	9.5
Missouri.....	9.6	9.3	9.9	9.8	8.7
North Dakota.....	9.3	8.9	10.8	9.3	8.4
South Dakota.....	10.4	9.0	11.6	10.5	8.6
Nebraska.....	11.6	10.9	12.0	11.7	9.6
Kansas.....	11.7	11.2	12.0	11.8	9.6
South Atlantic:					
Delaware.....	11.1	10.8	11.3	11.6	8.4
Maryland.....	10.4	10.2	10.6	11.0	8.1
District of Columbia.....	11.7	11.3	11.9	12.4	9.8
Virginia.....	9.9	9.2	10.5	10.8	7.2
West Virginia.....	8.8	8.7	8.9	8.8	8.4
North Carolina.....	8.9	8.5	9.5	9.8	7.0
South Carolina.....	8.7	8.4	9.1	10.3	6.9
Georgia.....	9.0	8.8	9.3	10.3	6.1
Florida.....	10.9	10.6	11.1	11.6	7.0
East South Central:					
Kentucky.....	8.7	8.5	8.8	8.7	8.2
Tennessee.....	8.8	8.6	9.0	9.0	7.5
Alabama.....	9.1	8.9	9.3	10.2	6.5
Mississippi.....	8.9	8.6	9.3	11.0	6.0
West South Central:					
Arkansas.....	8.9	8.7	9.1	9.5	6.5
Louisiana.....	8.8	8.6	9.0	10.5	6.0
Oklahoma.....	10.4	10.1	10.7	10.7	8.6
Texas.....	10.4	10.1	10.7	10.8	8.1
Mountain:					
Montana.....	11.6	10.7	12.1	11.7	8.7
Idaho.....	11.8	11.2	12.1	11.8	9.6
Wyoming.....	12.1	11.6	12.2	12.1	9.3
Colorado.....	12.1	11.9	12.1	12.1	11.2
New Mexico.....	11.2	11.0	11.5	11.5	7.1
Arizona.....	11.3	11.0	11.6	11.7	7.0
Utah.....	12.2	12.2	12.2	12.2	10.1
Nevada.....	12.1	12.0	12.2	12.2	8.8
Pacific:					
Washington.....	12.1	11.8	12.1	12.1	10.5
Oregon.....	11.8	11.2	12.1	11.8	9.9
California.....	12.1	12.0	12.1	12.1	10.5
Alaska.....	12.1	12.1	12.2	12.4	6.6
Hawaii.....	11.3	11.0	11.6	12.4	9.9

SOURCE: U.S. Department of Commerce, Bureau of the Census, 1960 Census of Population, PC(1) 1C.

Table 91.—Number of persons 25 years old and over with less than 5 years of school completed, by State and by color: 1960
 (Numbers in thousands)

State	Resident population 25 years old and over ¹								
	White and nonwhite			White			Nonwhite		
	Total	Persons with less than 5 years of school completed		Total	Persons with less than 5 years of school completed		Total	Persons with less than 5 years of school completed	
		Number	Percent		Number	Percent		Number	Percent
1	2	3	4	5	6	7	8	9	10
United States	99,439	8,392.6	8.3	89,683	4,908.7	6.7	9,657	2,312.9	23.8
Alabama.....	1,670	273.0	16.3	1,232	118.4	9.4	438	157.6	36.0
Alaska.....	106	8.6	8.2	86	1.1	1.3	19	7.8	20.8
Arizona.....	661	66.3	10.0	609	46.7	7.7	52	19.6	37.7
Arkansas.....	964	148.2	15.4	786	83.6	10.6	178	64.6	36.3
California.....	8,899	505.0	5.7	8,221	427.3	5.2	648	77.8	12.0
Colorado.....	941	44.1	4.7	914	41.9	4.6	27	2.2	8.1
Connecticut.....	1,482	93.4	6.3	1,427	87.1	6.1	55	6.4	11.6
Delaware.....	246	16.3	6.6	215	9.8	4.6	31	6.8	21.0
District of Columbia.....	461	33.2	7.2	239	8.3	3.6	222	24.8	11.2
Florida.....	2,845	261.4	9.2	2,427	126.8	5.3	418	132.6	31.7
Georgia.....	2,015	355.3	17.6	1,611	155.2	10.3	504	200.1	39.7
Hawaii.....	309	46.4	15.0	96	5.0	5.2	213	41.4	19.4
Idaho.....	340	11.2	3.3	326	10.3	3.1	4	.7	17.5
Illinois.....	5,806	365.4	6.3	5,267	290.7	5.5	541	74.6	13.8
Indiana.....	2,550	123.8	4.9	2,413	105.6	4.4	137	18.2	13.3
Iowa.....	1,541	46.2	3.0	1,527	44.8	2.9	14	1.7	12.1
Kansas.....	1,216	44.7	3.7	1,166	26.8	2.3	50	6.8	11.6
Kentucky.....	1,610	222.5	13.8	1,494	195.0	13.1	116	27.6	23.8
Louisiana.....	1,639	348.8	21.3	1,173	189.0	16.1	464	159.8	40.9
Maine.....	534	25.0	4.7	532	24.8	4.7	2	.2	10.0
Maryland.....	1,093	129.8	7.7	1,436	79.2	5.6	257	50.6	19.7
Massachusetts.....	3,011	180.1	6.0	2,946	173.8	5.9	65	6.3	9.7
Michigan.....	4,217	244.3	5.8	3,845	195.6	5.1	372	48.7	12.1
Minnesota.....	1,845	74.3	4.0	1,825	72.6	4.0	20	1.7	8.5
Mississippi.....	1,065	200.7	18.8	682	48.7	7.1	383	151.9	39.7
Missouri.....	2,493	175.8	7.1	2,289	140.8	6.2	204	25.1	17.2
Montana.....	356	14.6	4.1	347	12.3	3.6	9	1.4	15.6
Nebraska.....	791	28.6	3.6	773	26.8	3.5	18	1.8	10.0
Nevada.....	160	6.2	3.9	160	4.4	2.9	10	1.8	18.0
New Hampshire.....	345	15.1	4.4	344	15.0	4.4	1	.1	10.0
New Jersey.....	3,600	250.8	7.0	3,327	210.7	6.3	273	40.1	14.7
New Mexico.....	445	54.0	12.2	417	42.9	10.3	28	11.1	39.6
New York.....	10,124	785.0	7.8	9,307	687.4	7.4	824	97.6	11.8
North Carolina.....	2,307	380.1	16.5	1,811	221.5	12.2	496	158.5	32.0
North Dakota.....	324	19.4	6.0	319	18.7	5.9	5	.7	14.0
Ohio.....	5,378	292.4	5.4	4,969	233.1	4.7	409	59.2	14.5
Oklahoma.....	1,300	111.6	8.6	1,196	90.8	7.6	104	20.8	30.0
Oregon.....	996	33.0	3.3	978	30.7	3.1	18	2.3	12.8
Pennsylvania.....	6,606	453.2	6.9	6,148	396.8	6.3	458	66.4	14.5
Rhode Island.....	498	37.0	7.4	489	26.0	7.4	9	1.0	11.1
South Carolina.....	1,136	230.8	20.3	802	98.1	11.6	334	137.7	41.2
South Dakota.....	360	14.7	4.1	349	13.6	3.9	11	1.1	10.0
Tennessee.....	1,912	282.1	14.8	1,626	202.6	12.5	286	79.5	27.8
Texas.....	5,031	672.2	13.4	4,443	533.5	12.0	588	138.8	23.6
Utah.....	419	11.7	2.8	412	10.3	2.5	7	1.5	21.4
Vermont.....	213	8.1	3.8	212	8.0	3.8	(?)	(?)	(?)
Virginia.....	2,083	273.5	13.1	1,687	156.9	9.3	396	116.6	29.4
Washington.....	1,577	53.8	3.4	1,528	48.1	3.1	49	5.8	11.4
West Virginia.....	1,000	109.8	11.0	954	99.0	10.4	46	10.8	23.5
Wisconsin.....	2,175	115.0	5.3	2,135	110.1	5.2	40	4.9	12.2
Wyoming.....	174	6.3	3.6	171	6.0	3.5	3	.3	10.0

¹ Includes institutional population but excludes Armed Forces overseas.

² Fewer than 500 persons. Percentage not computed.

NOTE.—Because of rounding, detail may not add to totals.

SOURCE: U.S. Department of Commerce, Bureau of the Census, *U.S. Census of Population: 1960, General Social and Economic Characteristics, PC(1)C Series.*

Table 92.—Percent of population 25 years old and over with at least 4 years of high school and with at least 4 years of college, by State: 1960

State	4 years of high school or more	4 years of college or more	State	4 years of high school or more	4 years of college or more
United States	41.1	7.7	Missouri.....	36.6	6.3
Alabama.....	30.4	5.7	Montana.....	47.8	7.8
Alaska.....	54.7	9.5	Nebraska.....	47.7	6.8
Arizona.....	45.7	9.1	Nevada.....	53.3	8.3
Arkansas.....	28.9	4.8	New Hampshire.....	42.9	7.1
California.....	51.5	9.8	New Jersey.....	40.7	8.4
Colorado.....	52.0	10.7	New Mexico.....	45.4	9.8
Connecticut.....	43.9	9.5	New York.....	40.8	8.9
Delaware.....	43.4	10.1	North Carolina.....	32.3	6.3
District of Columbia.....	47.8	14.3	North Dakota.....	38.9	5.6
Florida.....	42.6	7.8	Ohio.....	42.0	7.0
Georgia.....	31.9	6.2	Oklahoma.....	40.5	7.9
Hawaii.....	46.1	9.0	Oregon.....	48.4	8.5
Idaho.....	48.6	7.2	Pennsylvania.....	38.1	6.4
Illinois.....	40.4	7.3	Rhode Island.....	35.0	6.6
Indiana.....	41.8	6.3	South Carolina.....	30.4	6.9
Iowa.....	46.3	6.4	South Dakota.....	42.1	5.7
Kansas.....	48.2	8.2	Tennessee.....	30.4	5.5
Kentucky.....	37.6	4.9	Texas.....	39.6	8.0
Louisiana.....	32.2	6.7	Utah.....	55.8	10.2
Maine.....	43.3	5.5	Vermont.....	42.8	7.3
Maryland.....	40.0	9.3	Virginia.....	37.9	8.4
Massachusetts.....	47.0	8.8	Washington.....	51.5	9.3
Michigan.....	40.9	6.8	West Virginia.....	30.5	5.2
Minnesota.....	43.9	7.5	Wisconsin.....	41.6	6.7
Mississippi.....	29.8	3.6	Wyoming.....	52.1	8.7

Source: U.S. Department of Commerce, Bureau of the Census, *U.S. Census of Population: 1960, General Social and Economic Characteristics, PC(1)C Series.*

Table 93.—Annual mean income (or earnings)¹ for males 25 years of age and over, by years of school completed: United States, selected years, 1939 to 1961

Years of school completed	1939	1946	1949	1956 ²	1961
Elementary:					
Total.....	\$1,036	\$2,041	\$2,394	\$3,041	\$3,544
Less than 8 years ³	(4)	1,738	2,062	2,574	2,998
8 years.....	(4)	2,327	2,829	3,631	4,206
High school:					
1 to 3 years.....	1,379	2,449	3,226	4,367	5,161
4 years.....	1,661	2,939	3,784	5,183	6,046
College:					
1 to 3 years.....	1,931	3,654	4,423	5,997	7,348
4 years or more.....	2,607	4,527	6,179	7,877	9,817

¹ Data for 1939 are restricted to persons reporting \$1.00 or more of wage or salary income and less than \$50 of other income and to native white and Negro males 25 to 64 years old only. Data for 1946 represent total money earnings. Data for 1949, 1956, and 1961 represent total money income.

² Data for 1956 have been revised since originally published.

³ Includes persons reporting no years of school completed, not shown separately.

⁴ Information not available.

Source: U.S. Department of Commerce, Bureau of the Census, *Statistical Abstract of the United States*; and unpublished data.

Table 94.—Estimated lifetime income for males, by years of school completed: United States, 1949, 1956, and 1961

Years of school completed	1949	1956 ¹	1961
Income, age 18 to death			
Elementary:			
Total.....	\$118,330	\$152,882	\$176,008
Less than 8 years.....	98,222	131,432	151,348
8 years.....	132,683	178,825	204,530
High school:			
1 to 3 years.....	152,068	201,784	234,960
4 years.....	185,279	244,102	272,629
College:			
1 to 3 years.....	209,282	278,180	333,581
4 years or more.....	296,377	372,693	452,618
Income from age 23 to 64			
Elementary:			
Total.....	91,932	123,404	145,619
Less than 8 years.....	79,654	107,132	124,930
8 years.....	106,889	146,059	168,810
High school:			
1 to 3 years.....	121,943	166,212	193,082
4 years.....	148,649	199,463	234,417
College:			
1 to 3 years.....	173,166	232,317	273,049
4 years or more.....	241,427	310,597	360,604

¹ Data for 1956 have been revised since originally published.

SOURCE: U.S. Department of Commerce, Bureau of the Census, *Statistical Abstract of the United States*, and unpublished data.

Table 95.—Receipts of educational institutions, by source, by type of control, and by level of instruction: United States, 1959-60

(In thousands of dollars)

Receipts, by source and by type of control of institution	All levels			Elementary and secondary education ¹			Higher education ²								
	1	2	3	Total	Revenue	Non-revenue	Total	Educational and general	Plant expansion ³	Non-expendable funds ⁴	Auxiliary enterprises	Student aid ⁵	6		
													4	5	6	7	8	9	10	11
Total		\$77,189,361	\$19,544,069	\$17,339,323	\$3,614,797	\$7,324,393	\$4,693,243	\$1,879,969	\$4,693,796	\$1,664,353	\$82,963				
Publicly controlled		21,452,615	17,443,492	14,827,785	2,615,707	4,039,126	2,668,115	717,366	69,061	543,965	40,590				
Government.....		19,531,472	17,373,649	14,757,942	2,615,707	2,457,823	2,028,125	397,667	11,536						
Federal.....		1,323,861	722,806	722,806		591,055	542,536	48,519	(¹)						
State.....		7,419,226	8,765,047	5,765,047		1,661,179	1,326,335	812,844	(¹)						
Local (including county).....		11,066,354	10,572,796	8,257,099		153,558	147,254	26,304	(¹)						
Student fees.....		287,060	23,174	23,174		353,889	323,823	23,999	63						
Private gifts and grants.....		177,746	38,669	38,669		141,077	83,232	19,800	18,801						
All other sources.....		1,066,340				1,066,340	224,684	273,929	38,301	543,965	3,141				
Privately controlled		4,706,643	2,411,567	2,411,567	(¹)	2,266,076	2,020,226	302,536	399,694	460,297	52,322				
Government.....		564,362				564,362	535,056	15,748	8,726						
Federal.....		563,533				563,533	494,654	9,079	(¹)						
State.....		42,810				42,810	36,141	6,669	(¹)						
Local (including county).....		4,661				4,661	4,461		(¹)						
Student fees.....		142,261				142,261	827,745	6,067	19						
Private gifts and grants.....						692,621	237,337	176,609	190,346	460,297	28,230				
All other sources.....						1,205,415	360,156	165,111	200,568						

¹ Includes income of \$62,638,000 for Federal schools for Indiana and \$19,329,000 for Federal schools on Federal installations. Excludes residential schools for exceptional children.

² Includes subcollegiate departments of institutions of higher education. Excludes schools of nursing not affiliated with colleges and universities.

³ Excludes transfers from current and other funds.

⁴ Includes receipts not reported by governmental level.

⁵ Data not available.

⁶ Tuition and transportation fees from patrons.

¹ Estimated on the basis of expenditure per pupil in public elementary and secondary schools.

² Included in column 4.

³ Because of rounding, detail may not add to totals.

⁴ SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, *Statistics of State School Systems, 1959-60*, and *Financial Statistics of Institutions of Higher Education, 1959-60*; U.S. Department of the Interior, Bureau of Indian Affairs; and unpublished data available in the Office of Education.

Table 96.—Estimated expenditures for education, by level of instruction and by type of control: United States, 1961-62 and 1962-63

[In millions of dollars]

Level of instruction and type of school	Expenditures, 1961-62			Expenditures, 1962-63		
	Public and private	Public	Private	Public and private	Public	Private
Total	\$29,439	\$22,870	\$6,569	\$31,968	\$24,788	\$7,180
Elementary and secondary schools ¹	21,000	18,110	2,890	22,840	19,540	3,300
Current expenditures ²	17,740	15,230	2,510	19,240	16,460	2,780
Capital outlay.....	3,350	2,880	470	3,600	3,080	520
Federal schools for Indians and on Federal installations.....	110	110	—	120	120	—
Higher education.....	8,230	4,650	3,580	9,020	5,100	3,920
Current-fund expenditures.....	7,040	3,920	3,120	7,720	4,300	3,420
Educational and general expenditures.....	5,640	3,140	2,500	6,180	3,440	2,740
Other current-fund expenditures ³	1,400	780	620	1,540	860	680
Plant-fund expenditures.....	1,190	730	460	1,300	800	500

¹ Excludes expenditures for residential schools for exceptional children, Federal schools for Indians, and Federal schools on Federal installations. Expenditures for Federal schools are shown separately below.

² Includes expenditures for interest. In public schools, interest payments amounted to an estimated \$600,000,000 in 1961-62 and \$630,000,000 in 1962-63.

³ Includes auxiliary enterprises, estimated at \$1,177,000,000 in 1961-62, and student-aid expenditures, estimated at \$236,000,000 in 1961-62.

Sources: Estimated by the Office of Education on the basis of preliminary data from 1961-62 surveys of *Statistics of State School Systems* and *Financial Statistics of Institutions of Higher Education*; and National Education Association, Research Division, *Estimates of School Statistics, 1962-63*. Private elementary and secondary school expenditures are estimated on the assumption that the expenditure per pupil is the same as in public school systems.

Table 97.—Expenditures for education, including capital outlay, by level of instruction and by type of control: United States, 1959-60

(In thousands of dollars)

Expenditure, by level of instruction	Total	Publicly controlled	Privately controlled
All levels (elementary, secondary, higher) ¹	624, 732, 484	319, 447, 113	305, 275, 359
Current expenditures (including interest).....	20, 602, 627	16, 139, 028	4, 463, 598
Capital outlay or plant expansion.....	4, 119, 837	3, 308, 083	811, 754
Elementary and secondary schools ²	18, 024, 822	15, 613, 255	³ 2, 411, 567
Current expenditures (including interest).....	14, 944, 452	12, 951, 469	³ 1, 992, 983
Capital outlay.....	3, 080, 370	2, 661, 786	³ 418, 584
Kindergarten through grade 8 ⁴	12, 589, 907	10, 771, 585	1, 818, 322
Grades 9-12 and postgraduate ⁴	5, 434, 915	4, 841, 670	593, 245
Miscellaneous elementary and secondary schools:			
Federal schools for Indians.....	62, 838	62, 838	.....
Federal schools on Federal installations.....	18, 329	18, 329	.....
Higher education (including subcollegiate departments) ⁵	6, 616, 475	3, 752, 690	2, 863, 785
Current expenditures.....	5, 601, 376	3, 130, 760	2, 470, 615
Educational and general.....	4, 513, 208	2, 579, 797	1, 933, 411
Auxiliary enterprises.....	916, 117	491, 290	424, 827
Student-aid expenditures.....	172, 050	59, 673	112, 377
Expenditures from plant funds ⁶	1, 015, 099	621, 929	393, 170

¹ Excludes expenditures for residential schools for exceptional children and for schools of nursing not affiliated with colleges and universities.

² Excludes expenditures for Federal schools for Indians, Federal schools on Federal installations, and residential schools for exceptional children. Expenditures for Federal schools are shown separately below.

³ Estimated on the basis of expenditure per pupil in public elementary and secondary schools.

⁴ Distribution between grade-groups (kindergarten-grade 8 and grades 9-12 and postgraduate) estimated on the basis of average teacher's salary and pupil-teacher ratio at the elementary and secondary levels. Expenditure per pupil in grades 9-12 and postgraduate was calculated as 1.462 times expenditure per pupil in kindergarten-grade 8.

⁵ Excludes schools of nursing not affiliated with colleges and universities.

⁶ Excludes \$177,350,000 expended for plant expansion directly from current funds (\$102,681,000 by publicly controlled and \$74,669,000 by privately controlled institutions).

NOTE.—Because of rounding, detail may not add to totals.

SOURCES: U.S. Department of Health, Education, and Welfare, Office of Education, *Statistics of State School Systems, 1959-60*, and *Financial Statistics of Institutions of Higher Education, 1959-60*; U.S. Department of the Interior, Bureau of Indian Affairs; and unpublished data available in the Office of Education.

Table 98.—National income related to total expenditures for education: United States, 1929–30 to 1962–63

Calendar year	National income (in millions)	School year	Expenditures for education	
			Total (in thousands)	As a percent of national income
1929.....	\$87,814	1929-30	\$3,233,601	3.68
1931.....	89,708	1931-32	2,966,464	4.97
1933.....	40,159	1933-34	2,294,896	5.71
1935.....	57,057	1935-36	2,649,914	4.64
1937.....	73,618	1937-38	3,014,074	4.09
1939.....	72,753	1939-40	3,199,563	4.40
1941.....	104,710	1941-42	3,203,548	3.06
1943.....	170,310	1943-44	3,522,007	2.07
1945.....	181,248	1945-46	4,167,597	2.30
1947.....	198,177	1947-48	6,574,379	3.32
1949.....	217,690	1949-50	8,795,635	4.04
1951.....	279,313	1951-52	11,312,446	4.05
1953.....	305,573	1953-54	13,949,876	4.57
1955.....	330,206	1955-56	16,811,651	5.09
1957.....	366,943	1957-58	21,119,565	5.76
1959.....	400,481	1959-60	24,722,464	6.17
1961.....	427,829	1961-62	29,430,000	6.88
1962.....	458,000	1962-63	31,980,000	6.98

¹ Estimated.

² Preliminary data.

NOTE.—Beginning with 1959-60 school year, includes Alaska and Hawaii.

SOURCES: U.S. Department of Health, Education, and Welfare, Office of Education, *Biennial Survey of Education in the United States*, chapters on Statistical Summary of Education; U.S. Department of Commerce, Office of Business Economics, *Survey of Current Business*, July 1958, July 1962, and May 1963; and unpublished data available in the Office of Education.

Table 99.—Direct expenditures of State and local governments for all functions and for education, by per capita amount and by percent of per capita income: 1961

State	Per capita personal income, 1961	Direct general expenditures for—			
		All functions		Education	
		Amount per capita	Percent of per capita income ¹	Amount per capita	Percent of per capita income ¹
United States	\$2,963.00	\$397.64	13.57	\$112.49	4.97
Alabama.....	1,492.00	232.53	15.59	82.77	5.55
Alaska.....	2,692.60	458.55	17.03	175.21	6.51
Arizona.....	2,074.00	340.76	16.43	133.10	6.38
Arkansas.....	1,446.00	205.12	14.19	76.13	5.26
California.....	2,780.00	422.07	15.18	170.60	6.14
Colorado.....	2,421.00	360.58	14.89	149.41	6.17
Connecticut.....	2,895.00	317.21	10.95	102.10	3.53
Delaware.....	3,013.00	328.38	10.90	133.19	4.42
District of Columbia.....	3,124.00	398.03	12.74	75.16	2.41
Florida.....	1,955.00	264.22	14.46	94.62	4.82
Georgia.....	1,649.00	235.09	14.26	81.46	4.94
Hawaii.....	2,407.00	405.33	16.84	124.65	5.18
Idaho.....	1,807.00	285.53	15.80	108.51	5.73
Illinois.....	2,672.00	310.33	11.61	105.66	3.95
Indiana.....	2,213.00	273.51	12.35	120.19	5.43
Iowa.....	2,124.00	322.81	15.20	124.69	5.87
Kansas.....	2,139.00	316.68	14.81	126.59	5.93
Kentucky.....	1,625.00	232.96	14.34	82.22	5.06
Louisiana.....	1,626.00	323.43	19.89	109.67	6.74
Maine.....	1,843.00	256.05	13.89	84.48	4.58
Maryland.....	2,472.00	299.12	11.70	110.51	4.47
Massachusetts.....	2,598.00	314.60	12.11	90.31	3.48
Michigan.....	2,370.00	329.90	14.53	134.07	5.91
Minnesota.....	2,149.00	344.32	16.02	137.55	6.40
Mississippi.....	1,229.00	246.91	20.09	84.55	6.88
Missouri.....	2,254.00	282.33	11.19	96.30	3.83
Montana.....	1,953.00	355.57	18.13	135.48	6.90
Nebraska.....	2,168.00	294.76	13.60	105.22	4.90
Nevada.....	3,003.00	458.86	15.28	145.15	4.83
New Hampshire.....	2,130.00	283.41	13.31	89.53	4.20
New Jersey.....	2,714.00	279.21	10.29	101.17	3.73
New Mexico.....	1,908.00	332.96	18.42	146.90	8.12
New York.....	2,848.00	338.39	13.64	118.10	4.15
North Carolina.....	1,642.00	204.62	12.46	85.97	5.20
North Dakota.....	1,582.00	371.56	23.79	132.66	8.49
Ohio.....	2,330.00	277.99	11.93	108.42	4.64
Oklahoma.....	1,869.00	296.48	15.70	109.41	5.79
Oregon.....	2,273.00	361.09	15.89	144.86	6.37
Pennsylvania.....	2,261.00	257.08	11.37	95.54	4.26
Rhode Island.....	2,250.00	289.50	12.87	93.43	4.15
South Carolina.....	1,433.00	197.34	13.77	77.69	5.43
South Dakota.....	1,875.00	330.56	17.63	113.77	6.07
Tennessee.....	1,605.00	222.21	13.84	78.35	4.76
Texas.....	1,998.00	253.65	12.73	97.94	4.91
Utah.....	1,989.00	332.21	16.70	161.57	8.12
Vermont.....	1,899.00	333.99	17.55	119.49	6.29
Virginia.....	1,908.00	234.37	12.28	90.17	4.73
Washington.....	2,381.00	369.88	15.53	148.00	6.22
West Virginia.....	1,690.00	226.70	13.41	92.65	5.48
Wisconsin.....	2,194.00	336.82	15.35	117.16	5.34
Wyoming.....	2,272.00	461.24	20.30	167.16	7.36

¹ Percents were computed by the Office of Education.

Sources: U.S. Dept. of Commerce, National Income Division, *Survey of Current Business*, August 1962; U.S. Dept. of Commerce, Bureau of the Census, *Governmental Finances in 1961*, Series G-GF 61.

CHAPTER IV

Federal Programs of Education

SUPPORT OF EDUCATION is basically the responsibility of State and local governments. The Federal Government, however, has from its earliest days been concerned with improving educational services. It has through the years developed a variety of programs to help support, in one way or another, the educational activities of the States and of educational institutions. These programs serve a number of purposes. They may be for the purchase of research and training services of educational institutions in the interest of national welfare and defense, for support of individuals for whom there is a special Federal responsibility, for support of schools in areas where Federal activities would result in undue burdens on school services without such support, for support of education in special areas such as vocational education, or for other purposes. Regardless of the specific purpose involved, these programs affect the financing of educational programs and services and the development of the manpower resources of the Nation.

There is no single total for Federal funds for education that is meaningful for all purposes, but there are many totals to be built around particular concepts and to serve particular needs. Part I of table 100, "Federal Funds Supporting Education in Educational Institutions . . .," has been developed by the Federal Education Programs Branch for legislative use and includes programs which the Office of Education feels are in the same general category as Federal-aid-to-education legislation. Part II of this table shows data that are reported in the Office of Education publications on Federal funds for education and related activities and the National Science Foundation publication, *Federal Funds for Science XI*, but which are not in the same general category as Federal-aid-to-education legislation. Table 102 reports Federal funds for education by field of study in 1960-61, and the other tables in this chapter show detailed information about programs that the Office of Education helps to administer.

**Table 100.—Federal funds for education and related activities:
Estimated obligations for fiscal years 1962 and 1963¹**

[Amounts in thousands]

Type of support, level, and program area	Estimated	
	1962	1963
Part I. Funds supporting education in educational institutions, by level²		
(Excludes payments for services rendered to the Federal Government)		
Grants, total³.....	\$1,006,006	\$1,971,365
ELEMENTARY-SECONDARY EDUCATION.....	561,315	626,940
School assistance in federally affected areas.....	310,826	353,100
National Defense Education Act (titles III, V, and X).....	62,873	64,582
Indian education.....	54,426	62,166
Public lands revenue for schools ⁴	39,881	45,098
Education for dependents of military personnel overseas ⁵	40,530	45,289
Vocational education.....	26,367	26,323
School assistance in special areas ⁶	16,779	17,350
Teaching and teacher training grants, educational exchange program ⁷	5,100	6,800
Science education, National Science Foundation.....	3,756	5,356
Other ⁸	787	881
HIGHER EDUCATION.....	904,216	1,108,227
Basic research and research facilities in U.S. education institutions proper: ⁹		
Basic research.....	420,762	551,376
Research facilities.....	(370,532)	(484,176)
Training grants.....	(60,230)	(67,200)
Fellowships ¹⁰	196,434	255,988
Special institutional support ¹¹	84,915	108,389
Veterans education.....	60,537	77,511
Traineeships ¹²	98,710	65,913
Special training programs ¹³	18,970	23,423
Training State and local personnel ¹⁴	9,749	9,784
Other ¹⁵	4,595	5,763
	7,544	10,080
ADULT EDUCATION.....	94,175	141,513
Manpower development and training activities.....		
Veterans education.....		57,500
Vocational education.....	54,104	33,846
Area Redevelopment Act training activities.....	23,396	27,388
Training non-Federal personnel.....	7,280	10,089
Indian education.....	5,506	6,289
Other.....	3,500	5,392
	409	409
NOT CLASSIFIED BY LEVEL.....	106,302	94,625
Value of surplus property transferred ¹⁶	106,302	94,625
Loans, total.....	321,639	492,900
ELEMENTARY-SECONDARY EDUCATION.....	672	1,500
Private school loans (NDEA, title III).....	672	1,500
HIGHER EDUCATION.....	320,367	491,300
Student loan program, NDEA.....	74,517	91,300
College housing loans.....	245,850	400,000

See footnotes at end of table.

**Table 100.—Federal funds for education and related activities:
Estimated obligations for fiscal years 1962 and 1963—Continued**

[Amounts in thousands]

Type of support, level, and program area	Estimated	
	1962	1963
Part II. Other Federal funds for education and related activities		
(Includes payments for services rendered to the Federal Government and education and related activities excluded from Part I)		
RESEARCH AND DEVELOPMENT	\$912,268	\$1,069,124
Research and development in educational institutions proper and research centers, exclusive of basic research in U.S. educational institutions proper ¹	912,268	1,069,124
RELATED SCHOOL SERVICES	371,272	387,761
School lunch program.....	363,822	380,311
Job placement services for high school seniors.....	6,900	6,900
Bus transportation ¹¹	550	550
TRAINING OF FEDERAL PERSONNEL (civilian and military) ¹²	84,541	82,973
Military academies.....	53,058	51,104
Training in non-Federal facilities.....	27,381	27,381
NROTC ¹³	4,102	4,488
LIBRARY SERVICES ¹⁴	22,116	24,708
Library of Congress.....	10,744	12,965
Library Services Act grants.....	7,063	7,222
National Library of Medicine.....	3,284	3,335
National Agricultural Library.....	1,025	1,186
INTERNATIONAL EDUCATION	58,700	63,000
AID cooperative projects ¹⁵	52,000	54,000
Grants for observation and advisory services, educational exchange program.....	6,700	9,000
AID university contracts ¹⁶	NA	NA
Peace Corps training ¹⁷	NA	NA
OTHER	65,710	69,940
Cooperative Agricultural Extension Service.....	59,252	63,264
Promotion of apprenticeship and training.....	4,278	4,344
Education in Federal correctional institutions ¹⁸	2,138	2,290
Apprenticeship and training, Canal Zone.....	42	42

¹ Based on preliminary estimates of Federal agencies and budget documents. Programs included are those within the scope of the Office of Education survey of Federal education and related activities. Included are (1) funds, commodities, or services to educational institutions and agencies and (2) funds for support of education and training to educational institutions, agencies, or individuals. Research data are from *Federal Funds for Science, XI*, National Science Foundation.

² Part I of the table excludes (1) funds for services rendered to the Federal Government and (2) funds for education and related activities outside educational institutions. These items are included in Part II, "Other Federal Funds for Education and Related Activities". Included in Part I are funds for education in educational institutions, including payments for education of nonresident enrollees; payments for services essential to the conduct of education in educational institutions, and funds which are an integral part of the educational process.

Footnotes continued on page 109.

Footnotes continued from page 108.

³ Amount understates actual total because amounts for some program areas are not available. See footnotes 5 and 14.

⁴ Estimated amount for schools represents 50 percent of total shared revenues for roads and schools.

⁵ Data on payments for education of dependents of other Federal personnel overseas are not available.

⁶ Includes District of Columbia, Canal Zone, AEC facilities, National Parks, territories, and dependencies.

⁷ Funds are for teaching and teacher development programs. The latter may include training at higher education levels, but data are not available for such allocation of funds.

⁸ Includes elementary-secondary level activities at PHS hospitals, Gallaudet College, and for the American Printing House for the Blind.

⁹ Funds for "basic research in U.S. education institutions proper" are included in Part I because these funds support the basic research function of institutions of higher education. Although some of the basic research and research facilities funds are not for the purpose of supporting education, such as those for health research and research facilities, they are included in Part I of the table because of the integral relationship of research and training in educational institutions. Funds for applied research and development in educational institutions and university-managed research centers are included in Part II.

¹⁰ Includes Educational Exchange Program study grants.

¹¹ Includes funds for Howard University, Gallaudet College, instruction in land-grant colleges, language and area centers (NDEA), and NSF institutional grants.

¹² Includes advisory grants for training of foreign students and research grants under the Educational Exchange Program.

¹³ Includes special training programs of AEC, NSF, and PHS; training at Saint Elizabeths Hospital; Medical Education for National Defense program (DOD).

¹⁴ Includes training at Federal or non-Federal educational institutions. Totals reported here probably underestimate considerably funds provided for this purpose.

¹⁵ Includes university teaching grants, Educational Exchange Program, and miscellaneous grant and contract funds for training and related activities.

¹⁶ Estimated actual value of surplus real and personal property at time of transfer for educational uses.

¹⁷ Data incomplete. Amounts reported are for dependents of Navy personnel.

¹⁸ Data not available on all programs for training Federal personnel.

¹⁹ Included in this category because of obligation for military service of participants in the program.

²⁰ Includes general library services, exclusive of intramural agency library services. Amounts for Library of Congress include general and basic services and the Books for the Blind program.

²¹ Data incomplete. Includes (1) projects in the field of education and (2) training in labor and allied fields, aviation, and meteorology supported through transfer of funds to other agencies.

²² Data not available on an annual basis or cannot be identified separately from other activities in currently available sources.

²³ Payments to educational institutions for training of inmates.

SOURCE: Compiled by Penrose B. Jackson and Dolores M. Steinhilber, Federal Education Programs Branch, Office of Program and Legislative Planning, U.S. Department of Health, Education, and Welfare. Based on budget documents and reports of Federal agencies to the U.S. Office of Education in its surveys of Federal funds for education and related activities.

Table 101.—Summary of Federal funds for research and development and R&D plant: Fiscal years 1961, 1962, and 1963

[In millions of dollars]

Item	Actual	Estimated	
	1961	1962	1963 ¹
Total expenditures for research and development and R&D plant.....	99,378.1	919,194.9	912,333.6
RESEARCH AND DEVELOPMENT.....	8,714.0	9,521.8	11,281.9
R&D PLANT.....	864.1	673.2	1,061.7
Total obligations for research and development and R&D plant.....	9,998.3	11,339.5	14,447.8
RESEARCH AND DEVELOPMENT.....	9,067.8	10,268.2	12,683.7
Total research.....	2,337.3	3,184.6	4,418.8
Basic research.....	803.5	1,126.0	1,486.4
Applied research.....	1,533.8	2,058.6	2,932.4
Development.....	6,518.4	6,877.5	8,058.3
Pay and allowances of military personnel in R&D.....	208.1	206.1	206.6
Performers of the Government's R&D:			
Domestic: ²			
Federal Government.....	1,898.6	2,068.4	2,462.1
Profit organizations, proper.....	5,445.8	6,100.1	7,763.6
Profit organization research centers.....	455.9	407.7	434.7
Educational institutions, proper.....	539.8	731.6	906.5
Educational institution research centers.....	421.1	551.2	667.8
Other nonprofit organizations, proper.....	138.2	182.2	221.1
Other nonprofit organization research centers.....	79.8	117.0	125.4
Other.....	15.6	18.4	20.5
Foreign.....	63.0	71.8	83.1
Total research, by field of science:			
Life sciences, total.....	636.8	850.1	963.5
Biological sciences.....	133.0	168.2	204.1
Medical sciences.....	440.8	608.0	708.0
Agricultural sciences.....	63.0	74.0	76.4
Psychological sciences.....	50.7	64.1	83.9
Physical sciences, total.....	1,511.9	1,995.4	3,025.0
Physical sciences, proper.....	654.3	782.3	962.8
Mathematical sciences.....	45.2	51.8	67.0
Engineering sciences.....	812.4	1,161.4	1,995.2
Social sciences.....	44.4	64.7	95.2
Other sciences ³	93.8	210.3	231.1
Performers of the Government's basic research:			
Domestic: ²			
Federal Government.....	193.4	238.3	298.3
Profit organizations, proper.....	85.4	172.1	239.6
Profit organization research centers.....	21.3	21.8	23.5
Educational institutions, proper.....	281.5	370.5	484.2
Educational institution research centers.....	133.6	207.8	263.6
Other nonprofit organizations, proper.....	45.1	58.3	72.7
Other nonprofit organization research centers.....	24.3	29.6	38.3
Other.....	2.7	3.1	3.6
Foreign.....	16.2	24.4	32.6
Basic research, by field of science:			
Life sciences, total.....	237.9	322.7	387.2
Biological sciences.....	80.3	108.0	132.3
Medical sciences.....	140.0	192.3	228.9
Agricultural sciences.....	17.7	22.4	26.0
Psychological sciences.....	20.9	29.9	36.8
Physical sciences, total.....	525.5	747.7	1,028.7
Physical sciences, proper.....	285.9	366.6	512.5
Mathematical sciences.....	19.9	26.4	34.9
Engineering sciences.....	219.7	354.7	481.3
Social sciences.....	11.4	17.5	24.2
Other sciences.....	7.7	8.2	9.5
R&D PLANT.....	548.5	970.3	1,764.2
Domestic: ²			
Federal civilian or military installation.....	423.8	761.9	1,447.1
Non-Federal site or institution.....	113.8	187.6	302.0
Foreign.....	11.0	20.8	15.1

¹ Estimates are based on requested amounts included in *The Budget, 1963*; hence, they do not reflect subsequent congressional action.

² United States and territories.

³ Include amounts not distributed by field of science.

NOTE: Detail may not add to totals because of rounding.

SOURCE: National Science Foundation, *Federal Funds for Science XI*, NSF 63-11, January 1963.

Table 102.—Federal funds for education, by field of study: United States, fiscal years 1960 and 1961¹
 (In thousands of dollars)

Field of study	1960	1961 ²
Specific fields.....	\$1,169,824	\$1,193,657
Agricultural sciences.....	118,454	111,306
Biological sciences.....	96,788	123,803
Business-management.....	54,910	35,628
Clinical sciences.....	61,857	70,901
Education.....	107,048	103,720
Engineering.....	63,686	54,823
Humanities.....	60,603	52,110
Physical sciences.....	140,320	148,478
Social sciences.....	33,377	39,190
Other fields and combinations ³	432,629	453,738
General education ⁴	642,269	605,351
Educational services and administration ⁵	587,943	740,600
Research and development not reported by field ⁶	361,131	518,401

¹ Based primarily on preliminary data from a questionnaire survey of Federal agencies by the Office of Education. Includes grants, payments, and loans to States, institutions, or individuals.

² Estimated by respondent.

³ Includes amounts reported in combined fields (such as biological and physical sciences) or areas not listed under specific fields such as law and trade and industry.

⁴ Includes assistance for education such as P. L. 874 and 815, Indian education, the education of dependents of military personnel overseas, and the U. S. military academies.

⁵ Reported as "field of study not applicable" by respondents. Includes estimated actual value of surplus property transferred for educational purposes, school lunch programs, and college housing loans.

⁶ Research and development at educational institutions and research centers operated by them as reported with adjustments in *Federal Funds for Science X* of the National Science Foundation. These funds were not reported to the Office of Education. Other research funds are included in the amounts by specific fields as were reported by respondents.

Source: U. S. Department of Health, Education, and Welfare, Office of Education, Office of Program and Legislative Planning.

Table 103.—Federal funds for Office of Education programs: Fiscal years 1958 to 1962

(Amounts are actual payments, not obligations)

Program	Amount in thousands of dollars				
	1958	1959	1960	1961	1962
Total	\$244,443	\$323,586	\$446,911	\$489,231	\$525,295
Civil defense adult education ¹			420	741	1,575
Cooperative research.....	2,307	2,681	2,937	3,198	3,725
Cuban refugee education program.....				551	5,195
Fellowships for training in education of the mentally retarded.....			308	813	915
Instruction in Land-Grant Colleges.....	5,052	5,052	5,052	7,277	14,519
National Defense Education Act of 1958:					
II. College student loans.....		30,473	40,945	57,954	74,532
III. Improvement of science, mathematics, and foreign language instruction ²		33,856	49,848	27,410	39,600
IV. Fellowships.....			4,620	11,451	17,313
V. Guidance, counseling, and testing programs.....		7,853	16,846	20,175	19,930
VI. Language development program ³		1,256	5,869	12,902	13,381
VII. Educational media.....		185	3,603	4,272	3,764
X. Improving State statistical services.....		366	1,000	1,015	1,247
Public library services for rural areas.....	4,892	5,362	7,037	7,414	8,197
School assistance in federally affected areas.....	188,540	196,170	245,339	266,888	268,302
Vocational education ⁴	39,192	42,103	45,179	47,769	51,762
Office administration.....	5,472	8,229	11,608	10,401	11,158

¹ Operated on transfer funds.

² Includes loans to non-profit, private schools.

³ Includes supplementary grant to Hawaii.

⁴ Includes title VIII of NDEA, Technical education.

Source: U. S. Department of Health, Education, and Welfare, Office of Education. Compiled by Federal Education Programs Branch, Office of Program and Legislative Planning, based on fiscal records of payments to State and local units and to individuals.

**Table 104.—Federal grants and loans administered by the Office of Education, by program and by State:
Fiscal year 1962**

State	Aid to 'federally affected areas'										National Defense Education Act programs (includes loans)	Cooperative research	Cuban refugee program
	Land-grant colleges	Rural library services	Cooperative vocational education	Education for the retarded	Operation of schools	Construction	6	7	8	9			
United States and outlying parts	614,519,000	68,194,644	646,178,617	6914,964	6238,367,926	641,864,463	6191,343,756	63,754,461	64,184,911				
Alabama	205,079	184,761	960,741	11,042	5,268,922	1,579,099	2,696,709	4,022	22,760				
Alaska	144,506	40,000	105,065	4,900	6,573,061	1,694,182	1,119,057	19,127					
Arizona	72,526	72,526	220,026		4,714,003	831,264	1,275,963	74,085					
Arkansas	165,941	140,200	777,818	12,000	1,250,862	379,047	1,975,559	4,000					
California	453,113	250,080	2,208,211	43,700	34,127,084	8,955,911	14,831,562	680,915	7,660				
Colorado	174,942	85,259	344,140	40,964	8,401,913	744,494	3,019,966	60,207	1,985				
Connecticut	190,505	105,425	401,206	22,223	2,121,080	1,157,099	2,404,182	32,440	4,180				
Delaware	148,891	62,005	193,901		684,462		562,942	18,499	293,914				
District of Columbia			120,480				1,111,068	8,677	50,065				
Florida	238,643	165,938	783,377	11,643	6,199,914	726,126	4,300,981	111,274	4,190,157				
Georgia	218,553	212,827	1,081,943	35,800	6,189,019	1,011,644	3,929,975	30,281	66,222				
Hawaii	3,927,606	54,606	194,220		4,448,245	922,983	745,730	4,280					
Idaho	153,292	74,029	245,250	12,544	1,655,980	364,062	511,628		1,000				
Illinois	340,533	231,168	1,762,963	32,950	3,991,894	380,899	8,363,814	442,943	20,720				
Indiana	232,883	405,532	1,061,880	13,000	1,115,532	103,817	4,780,063	77,436	6,700				
Iowa	194,935	167,096	837,088	13,612	826,664	34,673	3,084,220	24,049	2,300				
Kansas	163,402	78,721	562,000	20,450	8,850,869	364,802	3,052,769	50,166	2,800				
Kentucky	200,525	205,263	1,043,741	9,800	1,399,364		2,714,717	20,164	8,726				
Louisiana	204,865	157,413	864,324	11,209	938,910		3,185,914		151,061				
Maine	159,309	86,752	268,375	10,600	1,666,064		775,563						
Maryland	201,771	173,999	467,335	11,000	8,442,404		2,265,633	17,442	450				
Massachusetts	242,668	100,868	700,604	8,100	6,977,532		6,780,217	206,153	19,471				
Michigan	295,851	244,534	1,481,923	33,800	1,894,389		7,822,665	365,860	9,204				
Minnesota	208,010	173,045	925,575	35,400	476,446		4,012,525	123,263	1,500				
Mississippi	153,362	173,202	910,628	11,400	1,472,861		2,064,572	5,000	1,800				
Missouri	228,058	178,493	1,090,557	11,800	2,630,339		4,614,772	115,346	9,100				
Montana	153,443	73,006	206,066	7,200	1,779,065		638,268		2,000				
Nebraska	168,116	103,329	428,426	12,967	2,777,929		1,594,198	13,162	12,000				
Nevada	145,663	51,800	157,272	10,600	1,454,329		236,534						
New Hampshire	152,091	64,845	168,673	12,200	1,241,875		978,276	3,273					

New Jersey.....	280,860	102,256	621,943	3,033,997	379,972	4,362,462	20,620	20,090	
New Mexico.....	158,946	71,831	229,080	4,918,534	1,529,571	1,435,543	713	2,000	
New York.....	474,231	280,464	2,533,312	6,047,882	462,970	16,473,248	418,441	86,442	
North Carolina.....	230,766	310,306	1,575,466	2,643,696	992,366	6,154,813	20,709	10,560	
North Dakota.....	152,960	66,948	300,463	524,366	388,387	1,462,250	23,262	1,000	
Ohio.....	333,267	294,172	1,881,780	5,216,913	822,553	8,476,860	15,674	3,325	
Oklahoma.....	186,263	134,745	647,009	7,289,031	611,861	3,876,030	22,826	10,090	
Oregon.....	178,235	105,614	413,665	1,098,479	161,406	3,266,252	4,770	4,770	
Pennsylvania.....	266,800	670,432	2,205,709	5,096,490	1,610	9,080,039	220,271	79,262	
Rhode Island.....	157,122	84,648	168,172	1,908,874	205,413	1,219,939	69,106	.....
South Carolina.....	187,466	290,029	758,009	3,598,961	734,615	2,408,093	26,137	.....
South Dakota.....	153,557	80,565	278,494	2,182,508	1,126,286	844,147	.....	.....
Tennessee.....	211,082	207,068	1,126,226	2,355,447	66,000	4,205,425	13,432	4,800	
Texas.....	230,843	231,190	1,863,982	13,234,622	2,690,877	6,282,595	70,406	38,008	
Utah.....	157,743	61,982	192,416	2,170,042	657,662	1,238,823	68,537	.....
Vermont.....	147,767	63,550	187,793	37,568	.....	717,008	.....	.....
Virginia.....	219,028	212,929	1,041,986	14,688,827	1,050,776	3,277,449	14,997	800	
Washington.....	198,841	128,774	603,846	8,768,225	861,770	3,691,096	.....	.....
West Virginia.....	177,063	152,796	594,047	128,966	.....	2,044,961	12,465	500
Wisconsin.....	218,726	180,303	997,420	741,408	660,705	4,208,471	149,710	.....
Wyoming.....	146,575	109,364	167,872	819,863	367,144	354,408	.....	.....
Outlying parts									
Guam.....	.....	14,247	57,562	820,396	618,593	54,770	1,984	.....
Puerto Rico.....	186,807	162,226	943,307	81,513	.....	1,045,514	9,200	42,910
Virgin Islands.....	.....	.....	.....	.....	.....	74,354	2,329	.....
Undistributed.....	.....	11,262	45,016	10,872,408	.....	-184,760	.....	.....

¹ On a checks-issued basis. Does not necessarily agree with allotments or expenditures for a given year.

SOURCE: Compiled from U.S. Department of Health, Education, and Welfare, Office of Education reports on Federal grants-in-aid and payments to individuals. Data reflect amendments to reports as of June 24, 1982.

Notes for Federal grants and loans administered by the Office of Education (numbers in parentheses refer to column numbers in preceding table):

(2) Two annual appropriations are divided among the States for support of the 68 land grant colleges (agriculture and mechanic arts colleges). Under one appropriation of \$2,550,000, equal shares of \$50,000 go to each State and Puerto Rico. Under the other appropriation of \$8,194,000, the minimum grant is \$90,000, with the rest divided on the basis of population. Of the \$6,000,000 appropriation authorized to Hawaii in lieu of a land grant under the Hawaii Omnibus Act, P.L. 86-624, \$3,775,000 was made available as an addition to the endowment of the college of agriculture and mechanic arts of the State in 1962.

(3) Grants for expansion of rural library services are made on a matching basis, with a minimum of \$40,000 going to each State and Puerto Rico (\$10,000 to the Virgin Islands and Guam) and the balance determined on the basis of the rural population.

(4) Grants for traditional programs in co-operative vocational education (including home economics, trade and industrial education, practical nurse training, vocational agricultural courses, and distributive education) are allotted to States on a dollar for dollar matching basis. An additional expenditure for technical education, provided under Title VIII of the National Defense Education Act, was \$11,582,781, and is included in the total in Col. 7.

(5) Under this program grants are provided for fellowships to institutions of higher education and to State Educational agencies for the training of leadership personnel in the education of the mentally retarded. In addition, during fiscal 1962, payments were made to colleges and universities for four stimulation grants to provide opportunities for training that would be distributed geographically over the country. Thus far, all States but one have participated in the four years of the program.

(6 and 7) In the period 1961-62, the program of grants to federally affected areas aided in construction of 56,586 classrooms housing about 1,645,200 students.

(8) Under the National Defense Education Act, passed in 1958, the Office of Education provides Federal assistance to the States and to institutions of higher education for a variety of educational programs. The \$181,358,520 expenditure for 1962 was broken down as follows:

\$73,831,984 to institutions of higher education for the establishment or maintenance of student loan funds. An additional \$676,645 went for loans to institutions to help them meet the requirement that every \$9 of Federal money be matched by \$1 of institutional funds. Another \$23,095 was used to reimburse institutions for their share of loan cancellations.

\$38,984,285 was spent in grants to States and \$615,727 in loans to private non-profit schools to help them strengthen instruction in mathematics, science, and languages. The sum of \$36,328,063 was allocated for equipment and remodeling, and \$2,656,222 for supervision of administration through State specialists. The number of State specialists in these three fields has increased from 33 since the inception of the NDEA program to 221 in 1962. They are engaged in developing State standards determining teacher qualifications, conducting local and regional workshops for teachers working on local curriculum projects, and demonstrating equipment and effective teaching techniques.

An additional \$13,381,763 was made available for use in language development programs. This figure included fellowships awarded to 1,040 graduate students at a cost of \$3,222,476 for advanced study in critically needed modern foreign languages such as Arabic, Russian, Spanish and Hindi-Urdu. It also included \$1,727,029 to help support 53 language and area centers at 33 colleges and universities, and \$2,335,017 for language research and studies projects.

Institutes conducted to improve the teaching of modern foreign languages were attended by 4,418 elementary and secondary school teachers of French, Spanish, German, Russian, Italian and Chinese.

\$14,064,317 was made available to the States for strengthening their school guidance and counseling programs. An additional \$5,864,695 was provided for counseling and guidance training institutes enrolling 2,567 teachers or counselors.

\$11,582,781 was distributed among the States for vocational training of workers in highly skilled technical fields.

\$3,773,809 was expended for experiments in the use and development of communications media such as radio, TV, tape recorders, and motion pictures.

\$17,372,820 provided graduate fellowships for potential college teachers and assistance to the new or expanded graduate programs in which they were enrolled.

\$1,246,598 was paid to the various States to assist them in improving their school statistical services.

Miscellaneous Educational Programs:

(9) From the beginning of the Cooperative Research program in 1957 through fiscal year 1962, a total of 473 projects has been approved; 129 colleges and universities and 17 State departments of education have taken part in these studies in 45 States, the District of Columbia, Guam, and Puerto Rico. \$3,696,560 was spent on the Cooperative Research program during fiscal 1962.

(10) Federally financed education programs for Cuban refugees, including loans for students, totaled \$5,195,011 in 1962.

Table 105.—Fellowship programs of Federal agencies: Estimated obligations and number of participants, fiscal years 1962, 1963, and 1964¹

[Based on Federal agency estimates and *The Budget, 1964*. Amounts in thousands of dollars.]

Agency and program	Estimated					
	1962		1963		1964	
	Amount	Partic- pants	Amount	Partic- pants	Amount	Partic- pants
DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE						
<i>Office of Education</i>						
Teaching in education of the mentally retarded.....	8997	160	\$1,000	168	\$1,000	168
Teaching in education of the deaf.....	1,495	446	1,500	450	1,500	450
Graduate.....		(291)		(290)		(290)
Undergraduate.....		(155)		(160)		(160)
National Defense Education Act:						
Graduate fellowship program.....	21,372	4,041	21,200	4,088	21,200	4,088
New awards.....		(1,500)		(1,500)		(1,500)
Continuing awards.....		(2,541)		(2,588)		(2,588)
Graduate fellowships, National Education Improvement Act of 1963.....					50,000	10,500
Regular awards.....						(8,500)
Summer awards.....						(2,000)
Language fellowships.....	3,918	1,086	3,520	1,060	3,520	1,210
New awards.....				(300)		(300)
Continuing awards.....				(646)		(642)
Summer postdoctoral.....				(34)		(68)
Summer undergraduate.....				(100)		(200)
<i>Public Health Service</i>						
National Institutes of Health research fellowships.....	26,793	3,757	41,638	4,455	45,786	5,151
Nursing services fellowships.....	311	63	316	63	316	63
Water Supply and Water Pollution Control fellowships.....	98	28	300	48	450	70
<i>Vocational Rehabilitation Administration</i>						
Research fellowships.....	136	29	156	39	158	39
DEPARTMENT OF STATE						
Educational Exchange Program study grants ²	14,200	3,451	19,000		20,600	
ATOMIC ENERGY COMMISSION						
Fellowships.....	1,400	255	1,675	278	2,164	294
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION						
Training grants.....	2,000	100	15,000	800	25,000	1,250
NATIONAL SCIENCE FOUNDATION						
Academic year fellowships.....	15,145	3,320	19,717	3,455	33,813	5,065
Summer fellowships.....	1,656	1,110	1,783	1,110	2,189	1,410
Training grant program (EMP).....					25,000	4,500

¹ Amounts reported are actual obligations for 1962 and estimated obligations for 1963 and 1964. 1964 data include estimates for proposed programs based on budget requests. NASA and NSF training grants are included in the table because they support graduate students working toward degrees in the same way as fellowship programs.

² Office of Education estimate.

SOURCE: Compiled by Penrose B. Jackson, Federal Education Programs Branch, Office of Program and Legislative Planning, Office of Education, U.S. Department of Health, Education, and Welfare.

Table 106.—Selected data on programs administered under the National Defense Education Act of 1958

Program	Actual 1962 program	Preliminary 1963 program
Title II, Student Loans:		
(a) Contributions to loan funds.	1,453 institutions and 363,563 student borrowers.	1,528 ¹ institutions and 478,865 student borrowers.
(b) Loans to educational institutions.	87 loans.....	89 loans. ¹
Title III, Science, Mathematics and Foreign Language Instruction:		
(a) Acquisition of equipment and minor remodeling:		
(1) Grants to States.....	52 States and possessions and 58,810 projects completed.	52 States and possessions and estimated 58,000 projects approved.
(2) Loans to nonprofit private schools.	40 loans approved.....	42 loans approved.
(b) Grants to States for supervision and administration.	52 States and possessions.....	52 States and possessions.
Title IV, National Defense: Fellowships².....	1,500 fellowships and continuation of 1,500 fellowships awarded in 1960 and 1,500 in 1961.	1,500 fellowships and continuation of 1,500 fellowships awarded in 1961 and 1,500 in 1962.
Title V, Guidance, Counseling and Testing:		
(a) Grants to States.....	53 States and possessions; additional 7.6 million tests administered to secondary school children.	53 States and possessions; additional 7.8 million tests are estimated to be administered to secondary school children.
(b) Institutes for Counseling Personnel.	66 short-term institutes, 1,947 trainees; 21 regular session institutes, 620 trainees.	53 ¹ short-term institutes, 1,590 trainees (est.); 23 ¹ regular session institutes, 690 trainees (est.).
Title VI, Advanced Training in Foreign Areas and Languages:		
(a) Language and area centers.	53 centers in operation.....	55 ¹ centers in operation.
(b) Language fellowships.....	1,004 fellowships.....	1,083 fellowships.
(c) Research and studies.....	42 contracts.....	45 contracts.
(d) Institutes for language teachers.	80 summer institutes, 4,299 trainees; ² 5 regular institutes, 119 trainees.	79 ¹ summer institutes, 4,424 trainees; 4 ¹ regular institutes, 96 trainees.
Title VII, Educational Media Research.	36 research grants approved, 4 research contracts approved, and 32 dissemination contracts approved.	29 research grants, 5 research contracts and 35 dissemination contracts.
Title VIII, Grants to States for Area Vocational Programs.	49 States, District of Columbia, Puerto Rico; 148,120 students participated.	50 States, District of Columbia, Puerto Rico; students participating estimated 166,000.
Title X, Grants to States for Statistical Services.	53 States and possessions have approved State plans; 46 participated.	53 ¹ States and possessions have approved State plans; 47 participated.

¹ Actual.

² These figures do not include resignations submitted after the end of the fiscal year. Since fellowships vacated by resignation cannot be reawarded, the program is not operating at full authorization.

Source: Unpublished Office of Education data.

CHAPTER V

Selected Statistics Related to Education In the United States

THE TABLES in this chapter were selected because they are closely related to education in the United States and are of general interest. They are arranged in four main groups: (1) employment of high school graduates and dropouts, (2) international education, (3) libraries, and (4) research and development.

The first group of tables shows U.S. Department of Labor statistics on the college enrollment and employment status of 1962 high school graduates and a comparison of the occupations of high school graduates with those of school dropouts.

The first two tables of the second group show statistics reported by the Institute of International Education on American college students abroad and foreign students enrolled in American institutions. Two other tables of this group show data from the United Nations Educational, Scientific, and Cultural Organization (UNESCO) on population and school enrollment for the world, continents, and selected countries. They show general magnitude figures only and are suitable for making only very rough comparisons among countries. The projections and enrollment estimates were prepared in various ways for different years, and the enrollment groupings by level for the various countries are not strictly comparable from one country to another.

The third group of tables shows Office of Education statistics on public libraries, libraries in schools and colleges, and special libraries. The first table of this group shows estimates of the number of full-time professional librarians in all libraries, and the others show more detailed information about public libraries and librarians in schools and colleges.

The fourth and last group of tables shows National Science Foundation data on research and development. The first table of this group shows the number of persons employed for research and development in all sections of the economy and the two succeeding tables show details on the ones employed in colleges and universities.

These two tables also show data on all scientists and engineers employed in colleges and universities. The last four tables show the amounts and sources of funds used for research and development. One of these tables deals only with basic research. Another table showing details of Federal funds for research and development is not included with this group but is included in chapter IV.

Table 107.—College enrollment and labor force status of June 1962 high school graduates in the civilian noninstitutional population: October 1962

[Thousands of persons 16 to 24 years of age]

College enrollment status, sex, color, and marital status of women	Civilian noninstitutional population		Civilian labor force		Not in labor force
	Number	Percent	Number	Percent of population	
BOTH SEXES	1,838	100.0	946	51.5	892
White.....	1,660	90.3	853	51.4	807
Nonwhite.....	178	9.7	93	52.2	85
Enrolled in college.....	900	49.0	200	22.2	700
Full time.....	863	47.0	171	19.8	692
Part time.....	37	2.0	29	(1)	8
Not enrolled in college.....	938	51.0	746	79.5	192
In special schools.....	148	8.1	47	31.8	101
MALE	872	100.0	488	56.0	384
Enrolled in college.....	480	55.0	132	27.5	348
Not enrolled in college.....	392	45.0	356	90.8	36
FEMALE	966	100.0	458	47.4	508
Enrolled in college.....	420	43.5	68	16.2	352
Not enrolled in college.....	546	56.5	390	71.4	156
Single.....	469	48.6	352	75.1	117
Married and other marital status ²	77	8.0	38	(1)	39

¹ Percent not shown where base is less than 100,000.

² Includes widowed, divorced, and separated women.

NOTE: Because of rounding, detail may not add to totals.

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, *Special Labor Force Report*, No. 32, 1963

Table 108.—Employment status and major occupation group of June 1962 and June 1961 high school graduates not enrolled in college, by sex

[Thousands of persons 16 to 24 years of age]

Employment status and occupation group of employed	June 1962 graduates in October 1962			June 1961 graduates in October 1961		
	Both sexes	Male	Female	Both sexes	Male	Female
Civilian noninstitutional population	898	393	548	918	345	571
Labor force: Number.....	746	356	390	790	297	433
Percent of population.....	79.5	90.8	71.4	79.7	86.1	78.8
Employed.....	641	305	336	590	242	357
Unemployed: Percent of labor force.....	14.1	14.3	13.8	17.9	18.5	17.6
OCCUPATION GROUPS EMPLOYED						
All occupation groups (percent)	100.0	100.0	100.0	100.0	100.0	100.0
Professional, technical, and kindred workers.....	2.2	2.3	2.1	1.5	.....	2.5
Farmers and farm managers.....	.8	1.6	.....	.8	2.1	.....
Managers, officials, and proprietors, except farm.....	.6	.7	.6	.2	.4	.....
Clerical and kindred workers.....	35.9	10.8	58.6	41.6	9.9	63.2
Sales workers.....	7.6	5.6	9.5	5.7	4.5	6.5
Craftsmen, foremen, and kindred workers.....	3.1	5.9	.6	4.2	9.9	.3
Operatives and kindred workers.....	20.3	31.5	10.1	18.2	31.0	9.6
Private household workers.....	2.3	.7	3.9	2.8	.....	4.8
Service workers, except private household.....	9.4	6.9	11.6	8.7	6.6	10.1
Farm laborers and foremen.....	8.9	15.4	3.0	6.7	12.0	3.1
Laborers, except farm and mine.....	8.9	18.7	.....	9.5	23.6	.....

NOTE: Because of rounding, detail may not add to totals.

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, *Special Labor Force Report, No. 22, 1963.*

Table 109.—Major occupation group of employed high school graduates not enrolled in college by year of high school graduation and of school dropouts by year last attended school, by sex: October 1962

[Percentage distribution of persons 16 to 24 years of age]

Major occupation group and sex	Graduates of—				Dropouts, last attended in—				
	June 1962 and 1961			1960	1962 or 1961			1960	Prior to 1960
	Total	1962	1961		Total	1962	1961		
MALE									
All occupation groups: Number (thousands).....	618	305	313	418	247	78	169	100	1,378
Percent.....	100.0	100.0	100.0	100.0	100.0	(1)	100.0	100.0	100.0
Professional, technical, and kindred workers.....	1.6	2.3	1.0	10.3	0.8	.....	.....	1.0	1.2
Farmers and farm managers.....	2.6	1.6	3.5	1.7	.8	.....	1.2	.....	2.0
Managers, officials, and proprietors, except farm.....	2.7	.7	4.8	3.1	.8	.....	1.2	3.1	2.0
Clerical and kindred workers.....	11.3	10.8	11.8	12.0	7.2	.....	8.3	2.6	3.4
Sales workers.....	6.1	5.6	6.7	5.0	7.2	.....	8.9	3.1	2.0
Craftsmen, foremen, and kindred workers.....	11.3	5.9	16.6	12.0	1.6	.....	2.4	5.7	16.7
Operatives and kindred workers.....	31.5	31.5	31.5	34.8	26.5	.....	24.9	38.3	38.0
Private household workers.....	.3	.7	.....	.....	.....	.....	.....	.....	.1
Service workers, except private household.....	5.7	6.9	4.5	2.6	13.3	.....	13.0	5.2	8.8
Farm laborers and foremen.....	8.7	15.4	2.2	5.0	23.3	.....	21.9	22.3	10.2
Laborers, except farm and mine.....	18.1	18.7	17.5	13.4	18.5	.....	18.3	18.7	15.6
FEMALE									
All occupation groups: Number (thousands).....	720	336	384	452	132	37	95	96	558
Percent.....	100.0	100.0	100.0	100.0	100.0	(1)	(1)	(1)	100.0
Professional, technical, and kindred workers.....	2.6	2.1	3.1	4.0	1.5	.....	.....	.....	0.7
Farmers and farm managers.....	.3	.....	.5	.....	.....	.....	.....	.....	.4
Managers, officials, and proprietors, except farm.....	.6	.6	.5	1.8	.....	.....	.....	.....	.4
Clerical and kindred workers.....	61.0	58.6	63.1	58.8	15.7	.....	.....	.....	12.5
Sales workers.....	8.0	9.5	6.8	3.1	6.7	.....	.....	.....	4.8
Craftsmen, foremen, and kindred workers.....	1.0	.6	1.3	.9	1.5	.....	.....	.....	.5
Operatives and kindred workers.....	8.5	10.1	7.0	11.9	20.1	.....	.....	.....	33.0
Private household workers.....	3.5	3.9	3.1	3.8	28.4	.....	.....	.....	13.6
Service workers, except private household.....	11.9	11.6	12.2	14.2	19.4	.....	.....	.....	23.5
Farm laborers and foremen.....	2.4	3.0	1.8	1.5	6.7	.....	.....	.....	10.2
Laborers, except farm and mine.....	.3	.....	.5	.....	.....	.....	.....	.....	.4

¹ Percent not shown where base is less than 100,000.

NOTE: Because of rounding, detail may not add to totals.

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, *Special Labor Force Report, No. 32, 1963.*

Table 110.—United States college students abroad in 1960-61, and college faculty abroad in 1961-62

[Percentage distribution by geographical area or country]

Geographical area or country	Students ¹ (1960-61)	Faculty ² (1961-62)
Total number abroad		
All countries.....	20,000	2,427
Percent of total abroad		
All countries.....	100	100
Africa.....		7
Europe.....	61	80
Far East.....	5	16
Latin America.....	19	10
Middle and Near East.....		8
Other.....	15	9
All countries.....	100	100
Mexico.....	18	
France.....	14	
Canada.....	11	
United Kingdom.....	8	
Germany.....	8	
Austria.....	6	
Switzerland.....	5	
Vatican City.....	5	
Other.....	26	

¹ Enrolled in 590 institutions of higher education in 66 countries.

² The faculty came from 433 institutions of higher education in the United States and went to 90 countries.

SOURCE: *Open Doors 1962*, Institute of International Education, New York, 1962.

Table 111.—Number of foreign students enrolled in American institutions of higher education, by area of origin: 1948-49 to 1961-62

Academic year	Total	Western Hemisphere	Europe	Africa	Near, Middle, and Far East	Pacific	Other
1948-49.....	25,464	11,070	14,065	888	8,218	1,845	378
1949-50.....	26,433	10,444	15,574	904	8,313	1,938	200
1950-51.....	29,813	10,962	17,157	1,027	9,411	1,110	146
1951-52.....	30,474	11,034	17,220	1,072	9,737	1,227	184
1952-53.....	33,675	12,258	17,856	1,081	11,547	316	617
1953-54.....	33,833	12,297	16,171	1,163	12,766	354	82
1954-55.....	34,232	12,160	15,196	1,234	14,254	337	151
1955-56.....	36,494	12,516	15,502	1,231	15,864	353	128
1956-57.....	40,666	14,554	15,996	1,424	18,192	424	176
1957-58.....	43,391	14,566	16,816	1,515	19,901	495	198
1958-59.....	47,245	15,761	16,601	1,735	22,442	612	194
1959-60.....	48,486	15,189	16,362	1,959	24,285	568	123
1960-61.....	53,107	15,754	16,686	2,831	27,084	658	194
1961-62.....	58,066	16,554	16,833	3,930	29,845	796	128

¹ Includes students from U.S.S.R.

² Includes students from the Philippines.

SOURCE: Institute of International Education, New York, *Education for One World*, 1948-49 to 1953-54; and *Open Doors*, 1954-55 to 1962.

Table 112.—Estimated total population, and enrollment by level, in continents of the world: Approximately 1958

[In thousands]

Continent	Population	Enrollment		
		First level of education ¹	Second level of education ²	Third level of education ³
World total	2,654,000	272,891	75,639	19,784
Africa.....	230,000	16,250	1,432	144
America, North ⁴	256,000	39,426	11,424	3,654
America, South.....	134,000	14,783	2,435	349
Asia (excluding U.S.S.R.).....	1,592,000	135,610	28,268	2,729
Europe.....	417,000	46,718	17,954	1,630
Oceania.....	16,000	2,376	704	99
U.S.S.R.	209,000 (1959)	17,728	13,603	2,179

¹ First-level includes elementary school enrollment where the main function is to provide basic instruction in the tools of learning. Preschool, kindergarten, and special education enrollments are excluded.

² Second level includes general, vocational, and teacher-training enrollment at the secondary school level. Entrance to secondary schools requires at least four years previous instruction at the first level. Special and adult education enrollments are excluded.

³ Third level includes colleges and universities that require the successful completion of education at the second level as a minimum entrance requirement. Adult education enrollments are excluded.

⁴ Includes Central America, the Caribbean Area, and Greenland.

SOURCE: UNESCO, *Basic Facts and Figures 1960*, Paris, France, 1961.

Table 113.—Estimated population and students enrolled, by level, selected countries of the world

[In thousands]

Country	Estimated population midyear 1968	Enrollment			
		Year	First level of education ¹	Second level of education ²	Third level of education ³
AFRICA					
Ethiopia.....	21, 000	1960-61	177	9	1
Nigeria.....	30, 062	1969	2, 774	146	2
Union of South Africa.....	14, 418	1968	2, 067	356	30
United Arab Republic.....	29, 064	1960-61	2, 687	553	101
AMERICA, NORTH⁴					
Canada.....	17, 048	1969-60	3, 345	885	87
Canal Zone.....	57	1967-58	10	3	1
Cuba.....	6, 466	1960-61	1, 226	128	18
Guatemala.....	3, 546	1959	299	27	4
Mexico.....	32, 348	1960	5, 099	363	87
Puerto Rico.....	2, 321	1969-60	528	100	29
United States.....	174, 782	1961-62	34, 000	10, 800	4, 300
Virgin Islands (U.S.A.).....	31	1960	6	1	.....
AMERICA, SOUTH					
Argentina.....	20, 248	1960	2, 888	587	155
Brazil.....	62, 725	1960	7, 715	1, 198	75
Colombia.....	13, 822	1960	1, 733	249	23
Peru.....	10, 213	1969	1, 382	180	25
ASIA					
China (Mainland).....	689, 000	1969	90, 000	9, 990	810
India.....	397, 390	1958-59	24, 182	14, 426	913
Indonesia.....	87, 300	1960-60	8, 221	1, 071	50
Israel.....	1, 997	1959-60	469	59	12
Japan.....	91, 760	1960-61	13, 333	9, 186	662
Korea, North.....	8, 000	1967	2, 300	65	.....
Korea, Republic of.....	22, 505	1960	3, 637	819	98
Pakistan.....	85, 635	1960-60	4, 606	1, 419	140
Philippines.....	24, 010	1959-60	4, 153	727	250
Saudi Arabia.....	6, 096	1960-61	104	14	(⁵)
Thailand.....	24, 474	1960	3, 608	678	44
Turkey.....	28, 682	1959-60	2, 788	447	59
Viet-Nam, North.....	18, 000	1967-58	1, 006	.....	4
Viet-Nam, Republic of.....	12, 800	1960-60	1, 224	166	8
EUROPE					
Austria.....	7, 021	1960-61	802	308	39
Belgium.....	9, 063	1959-60	1, 353	451	41
Czechoslovakia.....	13, 470	1960-61	2, 428	234	57
France.....	44, 584	1959-60	7, 167	2, 068	196
Germany:					
Federal Republic.....	52, 150	1959-60	4, 998	3, 225	228
West Berlin.....	2, 224	1959-60	140	136	24
Eastern Germany.....	17, 355	1960-61	2, 201	726	61
Italy.....	48, 735	1958-59	5, 764	1, 916	176
Netherlands.....	11, 186	1960-61	1, 859	751	41
Poland.....	28, 783	1959-60	4, 927	687	116
Rumania.....	18, 059	1960-61	2, 701	441	65
Spain.....	29, 662	1959-60	3, 920	685	76
United Kingdom.....	51, 870	1959-60	4, 382	5, 535	97
Yugoslavia.....	18, 189	1959-60	2, 669	330	105
OCEANIA					
American Samoa.....	21	1958-59	5	(⁵)	.....
Australia.....	9, 846	1960	1, 564	572	71
Guam.....	39	1967-58	14	3	1
New Zealand.....	2, 282	1960	443	123	16
U.S.S.R. ⁶	208, 826 (1959)	1960-61	33, 115	6, 059	1, 696

¹ First level includes preschool and elementary school enrollment where the main function is to provide basic instruction in the tools of learning.

² Second level includes general, vocational, and teacher-training enrollment at the secondary level. Entrance to secondary schools requires at least four years previous instruction at the first level.

³ Third level includes colleges and universities that require the successful completion of education at the second level as a minimum entrance requirement.

⁴ Data for North America include Central America, Caribbean, and Greenland. ⁵ Less than 500.

⁶ Excludes primary and secondary education for working rural youths, adults, and special education, with enrollments totaling 2,906,000.

SOURCE: UNESCO, *Basic Facts and Figures 1960*, and *Current School Enrollment Statistics*, Paris, France: 1961 and 1962.

Table 114.—Estimated number of full-time professional librarians,¹ by type of library in which employed: United States, fiscal years 1959 through 1963

Type of library	1959	1960	1961	1962	1963
All librarians.....	66,100	61,500	63,400	65,900	67,700
Public elementary and secondary school.....	¹ 19,400	20,000	20,000	21,300	22,100
Nonpublic elementary and secondary school.....	3,100	3,200	3,400	3,500	3,700
College and university.....	8,800	² 9,000	³ 9,700	² 10,300	11,300
Public library.....	19,200	¹ 19,800	19,800	20,200	20,400
Special library.....	9,600	9,800	9,900	10,000	10,200

¹ Includes the number of full-time equivalents of part-time professional librarians. Excludes 15,000 to 20,000 part-time and partly trained librarians.

² Actual data from an Office of Education survey.

³ Estimate based on survey of libraries serving population of \$5,000 or over.

METHOD OF ESTIMATION: The estimates are based upon actual and estimated data for number of librarians, population, and school enrollment for the fiscal years 1959 through 1963. It is assumed that the ratio of librarians to population or enrollment remained constant throughout the period. The ratios used for each type of library are as follows:

Public elementary and secondary school libraries—0.0569 percent of enrollment. (Actual data for 1958-59.)

Nonpublic elementary and secondary school libraries—Same ratio as used for public school libraries. (The 1962 Office of Education school building inventory indicates that the average number of pupils per centralized school library for nonpublic schools is almost the same as for public schools.)

College and university libraries—0.3707 percent of enrollment. (Actual data for 1960-61.)

Public libraries—0.0108 percent of the total July 1st population. (Actual data for 1959-60.)

Special libraries—0.0064 percent of the total July 1st population. (Estimated for fiscal year 1962 by the Library Services Branch of the Office of Education.)

SOURCE: "Library Services" by Wilbur J. Cohen and John G. Lorenz in the December 1962 *Health, Education, and Welfare Indicators*.

**Table 115.—General statistics of college and university libraries:
United States and outlying parts, 1959-60, 1960-61, and 1961-62**

Item	1959-60	1960-61	1961-62
Number of libraries.....	1,961	1,975	1,965
Number of students served (enrollment).....	3,402,000	3,610,000	3,691,000
COLLECTIONS			
Number of volumes at end of year.....	178,721,000	190,110,000	199,594,000
Number of volumes per student.....	51.9	52.4	51.3
Number of volumes added during year.....	8,415,000	9,398,000	10,800,000
Number of volumes added per student.....	2.5	2.6	2.8
Number of periodicals received.....	1,271,000	1,390,000	1,480,000
Number of periodicals per student.....	0.4	0.4	0.4
PERSONNEL			
All personnel (in full-time equivalents, including building staff).....	18,000	19,500	21,100
Professional personnel.....	9,000	9,700	10,300
Professional personnel as a percentage of total staff.....	0.50	0.50	0.49
Nonprofessional personnel.....	9,000	9,800	10,800
Nonprofessional personnel as a percentage of total staff.....	0.50	0.50	0.51
Number of hours of student assistance.....	12,062,000	13,204,000	13,000,000
OPERATING EXPENDITURES			
Total operating expenditures (excludes capital outlay).....	\$137,245,000	\$158,904,000	\$181,000,000
Operating expenditures per student.....	\$40.34	\$44.02	\$46.80
Operating expenditures as a percentage of educational and general expenditures.....	3.0	3.4	3.2
Salaries (all personnel not on hourly rates).....	\$72,495,000	\$83,782,000	\$95,000,000
Salaries as a percentage of operating expenditures.....	52.8	52.7	52.5
Salaries as a percentage of educational and general expenditures.....	1.6	1.6	1.7
Wages (at hourly rates of pay).....	\$11,680,000	\$13,889,000	\$15,200,000
Wages as a percentage of operating expenditures.....	8.5	8.7	8.4
Expenditures for books and library materials.....	\$40,790,000	\$48,301,000	\$55,250,000
Such expenditures as a percentage of operating expenditures.....	29.7	30.4	30.5
Expenditures for binding.....	\$4,852,000	\$5,000,000	\$6,150,000
Such expenditures as a percentage of operating expenditures.....	3.6	3.2	3.4
Other operating expenditures.....	\$7,458,000	\$7,932,000	\$9,400,000
Other operating expenditures as a percentage of operating expenditures.....	5.4	5.0	5.2

¹ Educational and general expenditures for 1961-62 estimated by the Office of Education: \$5,063,300,000.

NOTE.—Includes estimates for nonreporting institutions.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, Circulars OE-15023, OE-15023-61, and OE-15032-62, *Library Statistics of Colleges and Universities, Institutional Data*.

Table 116.—General statistics of centralized public school libraries in school systems of 150 pupils and over, by level of school: United States, 1958-59

Item	Total	Elementary schools only	Combined elementary-secondary	Secondary schools only
Number of school systems.....	15,526			
Number of schools.....	82,222	59,459	9,191	13,572
Number of schools with centralized libraries.....	41,463	20,279	8,064	13,120
Percentage of schools with centralized libraries.....	50.4	34.1	87.7	96.7
Number of pupils in school systems.....	33,716,309	19,654,511	4,549,825	9,511,973
Number of pupils in schools with centralized libraries.....	23,046,072	9,620,210	4,059,883	9,365,979
Percentage of pupils in schools with centralized libraries.....	68.4	48.9	89.2	98.5
Number of volumes in centralized libraries.....	123,231,264	43,996,081	22,664,558	56,570,625
Number of volumes per library.....	2,972	2,170	2,811	4,312
Number of volumes per pupil.....	5.8	4.6	5.6	6.0
Expenditures for books in centralized libraries.....	\$36,943,016	\$13,713,704	\$5,890,419	\$17,338,894
Expenditure per library.....	891	676	730	1,322
Expenditure per pupil.....	1.00	1.43	1.45	1.85
Number of schools served by school librarians ¹	34,845	15,354	7,049	12,442
Percentage such schools are of the total number.....	42.4	25.8	76.7	91.7
Total number of school librarians.....	29,404	8,742	7,505	13,157
Number of school librarians with at least 15 semester hours of library science.....	19,372	4,613	4,045	10,714
Percentage such school librarians are of the total number.....	65.9	52.8	53.9	81.4
Number of school librarians with less than 15 semester hours of library science.....	10,032	4,129	3,460	2,443
Percentage such school librarians are of the total number.....	34.1	47.2	46.1	18.6

¹ School librarians are defined as full-time personnel who have more than half of their workload devoted to service as school librarians.

NOTE.—Data are for 48 States and D.C.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, Circular No. OE-15030, *Public School Library Statistics, 1968-69*.

Table 117.—General statistics of public libraries serving populations of 35,000 and over: United States and outlying parts, fiscal years 1959 and 1960

Item	1959	1960
Number of libraries.....	622	623
Population of specific area served.....	¹ 100,290,000	² 112,558,173
COLLECTIONS		
Volumes at end of year.....	115,150,501	130,637,992
Volumes per capita.....	1.15	1.16
Volumes added during year.....	9,030,661	10,501,738
Volumes added per capita.....	.09	.09
CIRCULATION		
Total.....	396,326,590	454,708,211
Circulation per capita.....	3.95	4.04
PERSONNEL		
Total (in full-time equivalents, including building staff).....	31,590	35,464
Professional personnel.....	9,708	10,764
Professional personnel as a percentage of total staff.....	30.7	30.3
Number of professional vacancies.....	756	812
Professional vacancies as a percentage of professional staff.....	7.8	7.6
TOTAL COST		
Total.....	\$196,643,097	\$234,185,303
CAPITAL OUTLAY		
Total.....	\$26,737,736	\$34,980,437
Capital outlay per capita.....	\$0.27	\$0.31
Capital outlay as a percentage of total cost.....	13.6	14.9
OPERATING EXPENDITURES		
Total.....	\$169,905,361	\$199,224,866
Operating expenditures per capita.....	\$1.69	\$1.77
Operating expenditures as a percentage of total cost.....	86.4	85.1
Expenditures for library materials.....	\$25,003,707	\$30,037,179
Such expenditures per capita.....	\$0.25	\$0.27
Such expenditures as a percentage of operating expenditures.....	14.7	15.1
Expenditures for binding and rebinding.....	\$3,079,979	\$3,363,598
Such expenditures as a percentage of operating expenditures.....	1.8	1.7
Other expenditures.....	\$23,986,147	\$29,948,514
Other expenditures as a percentage of operating expenditures.....	14.1	15.0
SALARIES		
Total (all personnel).....	\$117,835,528	\$135,875,575
Salaries as a percentage of operating expenditures.....	69.4	68.2
Salaries as a percentage of total cost.....	59.9	58.0
Professional salaries.....	\$40,814,922	\$48,106,646
Professional salaries as a percentage of total salaries.....	43.1	42.8
Average professional salary.....	\$5,234	\$5,406
Other salaries.....	\$67,020,606	\$77,768,929
Other salaries as a percentage of total salaries.....	56.9	57.2
Average salary of other than professional personnel.....	\$3,062	\$3,147

¹ Estimate of 1960 Census of Population figure for area served. Estimate of 1960 total population taken from the Bureau of the Census release No. 263, Series P-26, March 18, 1963.

² From 1960 Census of Population for area served.

³ Estimated from total salaries by using proportion of professional salaries to nonprofessional salaries for cases in which the breakdown was provided.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, Circular Nos. OE-14083, OE-15084, and OE-15085, *Statistics of Public Library Systems*.

Table 118.—Number of public libraries and population, by region and State: United States and outlying parts, fiscal year 1960

Region and State	Number of libraries ¹	Population	Region and State	Number of libraries ¹	Population
United States and outlying parts	8, 199	181, 834, 635			
50 States and D.C.	8, 178	179, 323, 175			
NORTH ATLANTIC	2, 601	48, 988, 756	SOUTHEAST—Con.		
Connecticut	204	2, 535, 234	Florida	149	4, 951, 560
Maine	248	969, 265	Georgia	95	3, 943, 116
Massachusetts	345	5, 148, 578	Kentucky	139	3, 038, 156
New Hampshire	239	606, 971	Louisiana	53	3, 257, 022
Rhode Island	77	859, 488	Mississippi	56	2, 178, 141
Vermont	224	389, 881	North Carolina	180	4, 556, 155
Delaware	19	448, 292	South Carolina	54	2, 382, 504
District of Columbia	1	783, 956	Tennessee	174	3, 567, 089
Maryland	29	3, 100, 689	Virginia	71	3, 966, 949
New Jersey	212	6, 066, 782	West Virginia	66	1, 860, 421
New York	624	16, 782, 304			
Pennsylvania	379	11, 319, 366	WEST AND SOUTH WEST	1, 335	39, 961, 065
GREAT LAKES AND PLAINS	3, 113	51, 619, 139	Alaska	28	226, 167
Illinois	468	10, 081, 158	Arizona	59	1, 302, 161
Indiana	246	4, 662, 498	California	207	15, 717, 204
Michigan	312	7, 823, 194	Colorado	131	1, 753, 947
Ohio	264	9, 706, 397	Hawaii	4	632, 772
Wisconsin	299	3, 951, 777	Idaho	84	667, 191
Iowa	432	2, 757, 537	Montana	62	674, 767
Kansas	282	2, 178, 611	Nevada	21	285, 278
Minnesota	208	3, 413, 864	New Mexico	44	951, 023
Missouri	171	4, 319, 813	Oklahoma	118	2, 328, 284
Nebraska	252	1, 411, 330	Oregon	100	1, 768, 687
North Dakota	92	632, 446	Texas	284	9, 579, 677
South Dakota	87	680, 514	Utah	32	890, 627
			Washington	117	2, 853, 214
SOUTHEAST	1, 129	38, 754, 215	Wyoming	24	330, 066
Alabama	84	3, 266, 740	Outlying parts	19	2, 619, 899
Arkansas	58	1, 786, 272	American Samoa	0	20, 051
			Canal Zone	1	42, 122
			Guam	1	67, 044
			Puerto Rico	6	2, 349, 544
			Virgin Islands	4	32, 099

¹ In most cases this number is for library systems. For example, only one library is shown for the District of Columbia even though it has several branches.

Sources: U.S. Department of Health, Education, and Welfare, Office of Education, Circular No. OE-1933, *Statistics of Public Library Systems Serving Populations of 100,000 or More: Fiscal Year 1960*, and U.S. Department of Commerce, Bureau of the Census, *1960 Census of Population*, PC(1)B Series.

Table 119.—Scientists and engineers in research and development, by sector: 1954, 1958, and 1960¹

Sector	Full-time equivalents		
	1954	1958	1960 (Prelim.)
Total	222, 290	327, 100	387, 000
Federal Government ²	29, 500	40, 200	41, 800
Industry ³	164, 100	239, 500	286, 200
Colleges and universities ³	25, 200	42, 000	52, 000
Other nonprofit institutions ³	4, 400	5, 400	7, 000

¹ Data consist of number of full-time employees plus the full-time equivalent of part-time employees.

² Limited to civilian personnel.

³ Includes professional research personnel employed at research centers administered by organizations under contract with Federal agencies.

Source: National Science Foundation, *Reviews of Data on Research and Development*, NSF 62-9, No. 33, April 1962.

Table 120.—Number and full-time equivalents of employed scientists and engineers in all colleges and universities,¹ by field of science: March 1, 1961

Field of science	Head count			Total full-time equivalents	Percent distribution			
	Total	Full-time	Part-time		Head count			Total full-time equivalents
					Total	Full-time	Part-time	
Total	175,000	115,000	60,000	130,500	100	100	100	100
ENGINEERING	27,300	18,600	8,700	22,400	16	16	14	16
Aeronautical.....	1,300	900	400	1,000	1	1	1	1
Chemical.....	2,400	1,300	1,100	1,800	1	1	2	1
Civil.....	3,800	2,600	1,300	2,100	2	2	2	2
Electrical.....	7,400	5,300	2,100	6,200	4	5	3	4
Mechanical.....	6,000	4,300	1,700	5,000	3	4	3	4
Agricultural.....	800	700	100	800	1	1	(²)	1
Other.....	5,600	3,600	2,000	4,500	3	3	3	3
PHYSICAL SCIENCES	49,100	30,000	19,100	38,400	28	26	31	27
Mathematics.....	14,800	9,500	5,300	11,700	8	8	9	8
Physics.....	13,700	8,300	5,400	10,700	8	7	9	8
Chemistry.....	15,700	9,300	6,500	12,200	9	8	11	9
Earth sciences.....	3,900	2,300	1,600	3,000	2	2	3	2
Other.....	900	600	300	700	1	1	(²)	(²)
LIFE SCIENCES	63,200	42,600	20,600	51,100	36	37	34	36
Anatomy.....	1,900	1,300	600	1,600	1	1	1	1
Biochemistry.....	3,200	2,200	1,100	2,700	2	2	2	2
Microbiology.....	3,000	2,000	1,000	2,400	2	2	2	2
Pathology.....	2,100	1,600	500	1,800	1	1	1	1
Pharmacology.....	1,400	1,000	400	1,200	1	1	1	1
Physiology.....	1,900	1,300	600	1,500	1	1	1	1
Biology.....	6,100	4,400	1,700	5,100	3	4	3	4
Botany.....	3,600	2,500	1,200	3,000	2	2	2	2
Entomology.....	1,300	800	400	1,000	1	1	1	1
Zoology.....	3,500	2,200	1,300	2,800	2	2	2	2
Clinical science.....	23,400	14,800	8,600	17,800	13	13	14	13
Commodity related agricultural.....	8,800	6,500	2,300	7,700	5	6	4	5
Other life sciences.....	2,900	2,000	900	2,500	2	2	1	2
SOCIAL SCIENCES	28,900	18,500	8,400	21,800	15	16	14	16
Economics.....	8,200	5,500	2,700	6,600	5	5	4	5
Geography.....	1,700	1,200	500	1,400	1	1	1	1
Sociology.....	4,500	3,100	1,500	3,600	3	3	2	3
History.....	6,800	5,000	1,800	5,700	4	4	3	4
Political science.....	3,800	2,600	1,200	3,100	2	2	2	2
Other.....	1,900	1,200	700	1,400	1	1	1	1
PSYCHOLOGY	9,200	5,300	3,900	6,800	5	5	6	5

¹ Included are Federal contract research centers and agricultural experiment stations with their associated colleges of agriculture.

² Less than one-half of one percent.

NOTE.—Detail may not add to totals because of rounding. Percentages are based on the unrounded figures.

SOURCE: National Science Foundation, *Reviews of Data on Research and Development*, NSF 63-4, No. 37, January 1963.

Table 121.—Full-time equivalents of scientists and engineers employed in colleges and universities granting graduate degrees in science and engineering,¹ by function and field of science: March 1, 1961

Field of science	Full-time equivalents				Percent distribution			
	Total	Teaching ²	R&D	Other activities	Total	Teaching	R&D	Other activities
Total	113,900	54,500	48,900	10,500	100	48	43	9
ENGINEERING	20,300	9,700	9,400	1,200	100	48	46	6
Aeronautical.....	1,000	400	600	100	100	36	59	5
Chemical.....	1,800	800	900	100	100	44	52	4
Civil.....	2,800	1,700	800	300	100	62	29	9
Electrical.....	5,700	2,400	3,100	200	100	42	55	3
Mechanical.....	4,400	2,200	2,000	200	100	49	45	6
Agricultural.....	700	300	400	100	100	34	48	18
Other.....	3,900	2,000	1,600	300	100	52	41	7
PHYSICAL SCIENCES	29,400	15,300	13,100	1,000	100	52	45	3
Mathematics.....	7,800	5,500	2,100	200	100	70	27	3
Physics.....	8,900	3,600	5,100	200	100	40	57	3
Chemistry.....	9,400	4,600	4,400	400	100	49	47	4
Earth sciences.....	2,700	1,300	1,200	200	100	49	44	7
Other physical sciences.....	600	300	300	(³)	100	48	47	5
LIFE SCIENCES	45,000	16,300	21,800	6,900	100	36	48	16
Anatomy.....	1,400	600	700	100	100	45	50	5
Biochemistry.....	2,600	600	1,900	100	100	23	72	5
Microbiology.....	2,200	800	1,300	100	100	38	56	6
Pathology.....	1,700	500	800	400	100	31	46	23
Pharmacology.....	1,100	400	600	100	100	38	50	12
Physiology.....	1,400	600	700	100	100	42	52	6
Biology.....	2,500	1,600	900	100	100	66	31	3
Botany.....	2,200	900	1,100	100	100	42	52	6
Entomology.....	1,000	200	700	100	100	20	70	10
Zoology.....	1,900	1,100	600	100	100	62	34	4
Clinical sciences.....	17,400	6,300	6,900	4,200	100	36	40	24
Commodity related agricultural.....	7,300	1,800	4,500	1,100	100	24	61	15
Other life sciences.....	2,100	700	1,200	300	100	31	55	14
SOCIAL SCIENCES	14,500	10,400	3,200	900	100	72	22	6
Economics.....	4,800	3,000	1,400	400	100	62	29	9
Geography.....	900	700	200	(³)	100	79	17	4
Sociology.....	2,200	1,600	500	100	100	72	22	6
History.....	3,300	2,800	400	100	100	85	12	3
Political science.....	2,200	1,600	400	100	100	76	19	5
Other social sciences.....	1,200	700	300	100	100	63	29	8
PSYCHOLOGY	4,500	2,700	1,400	400	100	60	31	9

¹ Included are the 306 colleges and universities granting graduate degrees in one or more fields of the engineering, natural, or social sciences or psychology. Data include Federal contract research centers and agricultural experiment stations with their associated colleges of agriculture.

² Almost all (99%) of scientists and engineers employed for R & D and other activities are in institutions granting graduate degrees. Therefore the number employed as teachers in all institutions may be derived by subtracting the R & D and other figures shown here from the appropriate figures in the preceding table.

³ Less than 50.

NOTE: Detail may not add to totals because of rounding. Percentages are based on the unrounded figures.

SOURCE: National Science Foundation, *Reviews of Data on Research and Development*, NSF 63-4, No. 37, January 1963.

Table 122.—Sources of funds used for research and development, by sector: 1953-54 to 1960-61¹

(In millions of dollars)

Year	Total	Federal Government	Industry	Colleges and universities ²	Other nonprofit institutions ²
1953-54.....	\$5,130	\$2,740	\$2,240	\$130	\$40
1954-55.....	5,620	3,070	2,365	140	45
1955-56.....	6,390	3,670	2,510	155	55
1956-57.....	8,610	5,095	3,265	180	70
1957-58.....	10,030	6,380	3,390	190	70
1958-59.....	11,070	7,170	3,620	190	90
1959-60 (preliminary).....	12,620	8,290	4,030	200	100
1960-61 (preliminary).....	14,040	9,220	4,490	210	120

¹ Data are based on reports by the performers.

² State and local government funds spent for research and development by the colleges and universities and other nonprofit institutions are included with the respective sector's own funds.

NOTE: With the exception of data for 1953-54 and 1957-58, the years in which surveys covered all sectors, data on sectors as sources of funds are estimates.

SOURCE: National Science Foundation, *Reviews of Data on Research and Development*, NSF 62-9, No. 33, April 1962.

Table 123.—Funds used in the performance of basic research, applied research, and development: 1959-60 (preliminary)

(In millions of dollars)

Sector	Amount			
	Total R & D	Basic research	Applied research	Development
Total	\$12,620	\$1,150	\$2,850	\$8,620
Federal Government ¹	1,830	220	460	1,150
Industry.....	9,550	345	1,955	7,250
Colleges and universities.....	1,000	500	330	170
Other nonprofit institutions.....	240	85	105	50

¹ Data on Federal estimates of applied research and development were not obtained directly by survey but were derived from available related information.

SOURCE: National Science Foundation, *Reviews of Data on Research and Development*, NSF 62-9, No. 33, April 1962.

**Table 124.—Sources of funds used for basic research, by sector:
1953-54 to 1960-61¹**

[In millions of dollars]

Year	Total	Federal Government	Industry	Colleges and universities ²	Other nonprofit institutions ³
1953-54.....	\$432	\$195	\$147	\$62	\$28
1954-55.....	485	(³)	(³)	(³)	(³)
1955-56.....	547	(³)	(³)	(³)	(³)
1956-57.....	694	(³)	(³)	(³)	(³)
1957-58.....	834	422	249	111	52
1958-59.....	1,016	565	275	118	58
1959-60 (preliminary).....	1,150	646	293	140	71
1960-61 (preliminary).....	1,302	745	313	161	83

¹ Data are based on reports by the performers.

² State and local government funds spent for basic research by the colleges and universities and other nonprofit institutions are included with the respective sector's own funds.

³ Not available.

NOTE: With the exception of data for 1953-54 and 1957-58, the years in which surveys covered all sectors, data on sectors as sources of funds are estimates.

SOURCE: National Science Foundation, *Reviews of Data on Research and Development*, NSF 62-9, No. 23, April 1962.

Table 125.—Research and development funds in relation to the gross national product: United States, 1953-54 to 1960-61

[Dollar amounts in millions, at current prices]

Year ¹	Gross national product (GNP)	R. & D. funds (revised)	R. & D. funds as percentage of GNP
1953-54.....	\$365,385	\$5,150	1.41
1954-55.....	363,112	5,620	1.55
1955-56.....	397,469	6,390	1.61
1956-57.....	419,180	6,610	2.05
1957-58.....	442,769	10,090	2.28
1958-59.....	444,545	11,070	2.49
1959-60.....	482,783	12,620	2.61
1960-61.....	504,448	14,040	2.78

¹ Gross national product data refer to calendar years, 1953, 1954, *et seq.*

SOURCE: National Science Foundation, *Reviews of Data on Research and Development*, NSF 62-9, No. 23, 1962.

APPENDIX

Functions and Structure of the U.S. Office of Education

A CHARACTERISTIC of the American system of education is its decentralized control. Final authority and responsibility on most matters in this field rest with the individual States, which have in turn delegated this authority and responsibility to local city, county, or district school boards.

Thus, until recent years the function of the United States Office of Education was considered to be that of fact-finding and reference work, rather than the administration of an educational program: Within the last few years, however, certain responsibilities connected with the administration of Federal programs of education, especially those transcending State lines, have been assigned by the Congress to the Federal Office of Education.

The Office has been organized to meet these responsibilities and at the same time carry on its original fact-finding and fact-disseminating duties. The accompanying chart depicts the present organizational structure of the Office.

At the head of the Office stands the Commissioner of Education, appointed by the President with the advice and consent of the Senate. The Commissioner is assisted by a Deputy Commissioner, three Associate Commissioners, and a staff of approximately 1,200 other employees, practically all of whom are employed and compensated in accordance with Civil Service rules and regulations.

The program operations of the Office are grouped into three bureaus, each under the supervision of an Associate Commissioner. The Bureau of Educational Research carries out most of the legal responsibility, specified in the original law of 1867, of collecting and disseminating "statistics and facts" on education. In some cases the data series set up in the early days of the Office have continued unbroken to the present, thus providing a wealth of factual material on which to base studies of various sorts. In administering this bureau, the Associate Commissioner works through five Division Chiefs, of whom two have the rank of Assistant Commissioner.

The Bureau of International Education carries on the dual responsibilities of (1) fact-finding in the field of education outside the United States, and (2) rendering assistance to Americans interested in studying or teaching abroad, or to foreigners interested in these activities in this country. The work of this bureau is handled by an Associate Commissioner, who functions through two Division Chiefs.

The Bureau of Educational Assistance Programs is responsible for the administration of most Federal grants-in-aid handled by the Office. These include Vocational and Technical Education, School Assistance in Federally Affected Areas, State Grants, and College and University Assistance. In administering these programs, the Associate Commissioner works through four Division Chiefs, one of whom carries the rank of Assistant Commissioner.

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