

DIGEST OF EDUCATIONAL STATISTICS

Division of Educational Statistics
Bureau of Educational Research
and Development

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

Office of Education. Wayne O. Reed,
Acting Commissioner

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FOREWORD

This digest is a compilation of the more significant statistical material available in the Office of Education on the American educational system. It contains information on a variety of subjects within the broad field of educational statistics, including schools, enrollments, teachers, graduates, educational attainment, finances, and Federal programs in the field of education. 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 four major parts: (1) All levels of education, (2) elementary and secondary education, (3) higher education, and (4) Federal programs of education. Certain criteria were used in selecting the statistics to be incorporated in each part: for example, the data were required to be nationwide in scope and of current interest and value. The latest tabulations available in each series were used, even though some of these statistics have not yet appeared in a formal publication. Series going back ten years or more have also 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 them into the general pattern of this publication.

The material was assembled and arranged by Henry G. Badger and W. Vance Grant, of the Reference, Estimates, and Projections Section, under the immediate supervision of Wells Harrington and Kenneth A. Simon, and the general direction of Louis H. Conger, Jr., Acting Director, Studies and Surveys Branch, Division of Educational Statistics. Recognition should also be given Ullaine Sullivan for her assistance in compiling the data on higher education statistics, and to Marion Heard, who assisted in the compilation of those on State and local school systems.

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 supplied data, offered suggestions, and otherwise contributed toward the bringing of this digest to completion.

Ralph C. M. Flynt
Associate Commissioner for
Educational Research and Development

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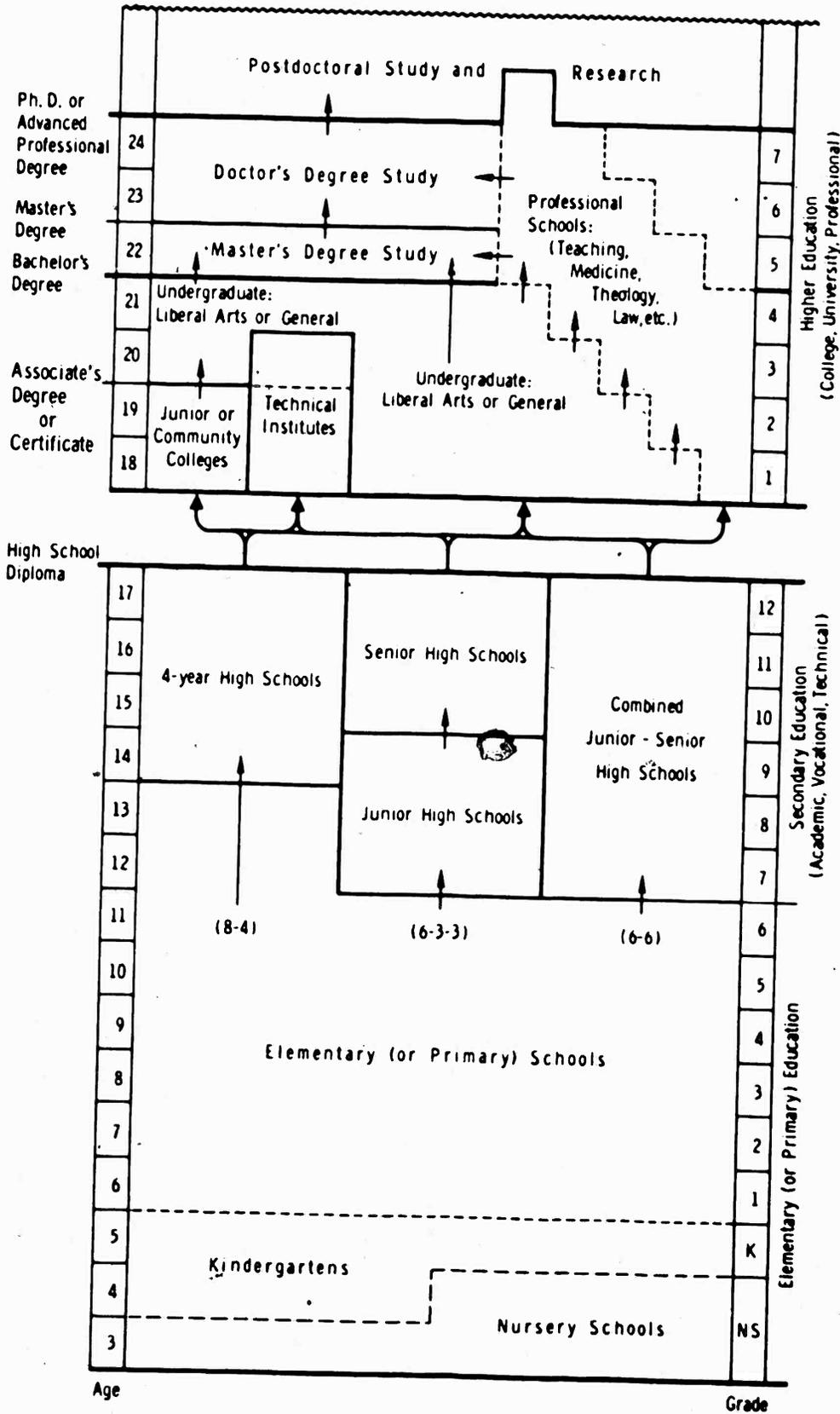
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Figure 1.--The structure of education in the United States



Chapter I

All Levels of Education

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 as indicated at the left of the figure.

Vocational education is an integral part of secondary education for young people. High schools generally can be classified as comprehensive, academic, vocational, or technical. The comprehensive high school provides academic, vocational, and technical education in the same school. Large city school systems tend to specialize the high schools, providing separate schools for vocational and technical programs. Vocational and technical high schools, however, also offer the general subjects usually required for college entrance, so that a student who selects these courses can enter a college or university from any of the specialized schools.

Graduates of the high school may enter a junior college, a technical institute, or a 4-year college or 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.

Nursery schools are usually attended by children 3 or 4 years old and kindergartens by 4- or 5-year olds.

Table 1.—Number of local basic administrative units (school districts), and number of schools of specified types, by 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 ^{3/}
	Number of school districts	Elementary schools		Secondary schools ^{2/}	Elementary	Secondary ^{2/}	Public	Private	
		Total	One-teacher						
1	2	3	4	5	6	7	8	9	10
United States-----	40,520	91,853	20,213	25,784	13,574	4,061	701	1,307	889
North Atlantic-----	4,577	15,127	688	4,474	4,478	1,494	130	439	350
Connecticut-----	175	781	5	214	4/207	4/90	6	24	17
Delaware-----	94	346	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	1,692	7	679	4/510	4/230	17	70	51
New Hampshire-----	230	397	41	92	81	48	5	6	11
New Jersey-----	588	1,646	1	329	4/490	4/140	9	29	35
New York-----	1,340	5/3,654	6/57	5/1,471	4/1,300	4/1,300	42	122	94
Pennsylvania-----	7/986	4,179	247	1,006	1,224	4/299	16	108	102
Rhode Island-----	39	284	6	66	4/100	4/30	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	8/931	1,054	176	20	85	65
Indiana-----	928	1,896	48	749	4/360	4/60	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	4/2,500	6/583	4/640	4/450	4/100	14	45	22
Nebraska-----	3,777	3,500	2,543	453	246	66	10	13	10

North Dakota-----
 Ohio-----
 South Dakota-----
 Wisconsin-----
 Southeast-----
 Alabama-----
 Arkansas-----
 Florida-----
 Georgia-----
 Kentucky-----
 Louisiana-----
 Mississippi-----
 North Carolina-----
 South Carolina-----
 Tennessee-----
 Virginia-----
 West Virginia-----
 West and Southwest
 Arizona-----
 California-----
 Colorado-----
 Idaho-----
 Montana-----
 Nevada-----
 New Mexico-----
 Oklahoma-----
 Oregon-----
 Texas-----
 Utah-----
 Washington-----
 Wyoming-----
 Alaska-----
 Hawaii-----
 U.S. Service
 Schools-----

1,351	1,411	1,113	352	72	22	11	1	9
936	3,024	15	1,113	639	153	9	58	53
3,070	3,583	3,130	266	86	20	7	9	7
2,877	4,192	2,314	9/566	4/660	4/100	33	29	20
1,247	21,473	3,457	7,386	1,476	670	118	285	160
114	2,173	207	1,292	4/125	4/10	9	19	10
422	1,115	110	590	79	16	8	11	6
67	1,327	34	533	4/280	109	19	16	9
10/197	1,682	13	598	53	30	21	28	12
212	2,743	1,244	434	268	89	8	31	13
67	1,207	13	659	219	114	10	12	6
151	1,338	192	606	63	46	25	18	7
174	2,019	26	900	4/90	4/45	16	44	30
108	1,003	10	416	50	31	6	25	12
153	2,507	421	525	4/100	4/50	7	39	12
127	1,888	241	461	4/90	4/75	8	33	28
55	2,471	946	372	59	25	11	9	15
8,239	17,707	2,080	5,907	2,298	706	225	189	92
305	519	41	92	4/165	4/40	5	2	3
1,721	4,647	244	876	4/900	4/280	77	75	25
522	1,122	112	4/385	4/125	4/40	13	8	5
156	420	48	215	42	7	5	3	1
1,234	1,513	675	193	66	19	8	3	3
17	171	38	45	17	2	1	---	---
91	506	78	173	79	23	7	---	---
1,322	1,866	305	930	4/75	25	23	2	1
572	1,071	79	275	123	34	9	11	8
1,581	3,780	66	1,888	4/115	4/120	51	18	4
40	401	16	153	20	9	4	48	27
425	1,166	45	455	4/150	49	4	4	3
223	460	253	123	16	2	5	12	10
29	136	40	45	23	9	1	---	---
1	166	10	59	82	11/47	1	3	2
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Table 1.—Number of local basic administrative units (school districts), and number of schools of specified types, by State: 1959-60 (Cont.)

Region and State	Public school systems				Nonpublic schools			Institutions of higher education ^{1/}		Schools of nursing not affiliated with colleges and universities ^{3/}
	Number of school districts	Elementary schools		Secondary schools ^{2/}	Elementary	Second-ary ^{2/}	Public	Private		
		Total	One-teacher							
1	2	3	4	5	6	7	8	9	10	
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	12/107	12/98	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 2.—Estimated enrollment in educational institutions,
by grade level and by type of school: United States,
1961-62 and 1962-63

Grade level and type of school	School year 1961-62	School year 1962-63
<u>Kindergarten through grade 8:</u>		
Public school system (regular full-time)---	28,700,000	29,400,000
Nonpublic schools (regular full-time)-----	5,300,000	5,400,000
Other schools ^{1/} -----	200,000	200,000
Total, kindergarten through grade 8-----	<u>34,200,000</u>	<u>35,000,000</u>
<u>Grades 9 through 12:</u>		
Public school system (regular full-time)---	9,500,000	10,300,000
Nonpublic schools (regular full-time)-----	1,200,000	1,300,000
Other schools ^{1/} -----	100,000	100,000
Total, grades 9 through 12-----	10,800,000	11,700,000
<u>Kindergarten through grade 12:</u>		
Public school system (regular full-time)---	38,200,000	39,700,000
Nonpublic schools (regular full-time)-----	6,500,000	6,700,000
Other schools ^{1/} -----	300,000	300,000
Total, kindergarten through grade 12-----	<u>45,000,000</u>	<u>46,700,000</u>
<u>Higher education:</u>		
Universities, colleges, professional schools, junior colleges, normal schools, and teachers colleges (degree-credit enrollment)-----	4,300,000	4,600,000
Total, elementary, secondary, and higher education-----	<u>49,300,000</u>	<u>51,300,000</u>

^{1/} 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 are for total enrollment during the school year. They are larger than the figures for fall enrollment.

Table 3.--Number of teachers¹ in elementary and secondary schools, and instructional staff members² in institutions of higher education: United States, 1949-50 to 1959-60

Type of school, by level	1949-50		1953-54		1957-58		1959-60	
	Men	Women	Men	Women	Men	Women	Men	Women
	1	2	3	4	5	6	7	8
All levels-----	367,496	868,082	446,597	943,235	571,926	1,105,166	656,884	1,173,147
Total elementary and secondary schools-----	221,635	823,590	282,119	900,348	364,564	1,054,344	429,614	1,118,911
Elementary schools (including kindergarten) ³ -----	58,407	607,258	85,900	656,271	105,066	784,421	124,566	828,865
Public-----	52,925	536,653	80,251	577,269	99,846	678,478	117,616	716,156
Nonpublic ⁴ -----	5,482	80,605	5,649	79,302	5,220	105,943	6,920	112,709
Secondary schools (including junior, senior, junior-senior, and regular high schools) ³ -----	158,536	207,741	191,462	232,279	253,682	257,916	299,239	277,921
Public-----	142,043	182,050	173,267	201,351	231,817	227,708	275,054	246,132
Nonpublic ⁴ -----	16,493	25,691	18,195	30,928	21,865	30,208	24,185	31,789
Miscellaneous elementary and secondary schools:								
Subcollegiate departments of colleges-----	3,031	2,785	2,831	4,596	3,151	5,336	5,315	5,536
Publicly controlled-----	1,447	1,651	1,742	3,319	2,105	3,870	5,210	5,380
Privately controlled-----	1,584	1,134	1,089	1,277	1,046	1,466	5,105	5,156
Residential schools for exceptional children-----	5/1,148	5/4,771	4/1,350	4/5,750	4/1,900	4/5,600	4/1,900	4/5,600
Federal schools for Indians and Alaska Natives-----	513	1,025	776	1,152	765	1,071	758	1,189
Higher education: Resident instructional staff, degree-credit courses-----	145,861	44,492	5/164,478	8/42,887	9/207,362	9/50,822	9/227,270	9/54,236
Publicly controlled-----	66,462	21,245	8/79,025	8/21,241	9/105,596	9/25,754	9/116,836	9/27,705
Privately controlled-----	79,399	23,247	5/85,453	5/21,646	5/101,766	5/25,068	5/110,434	5/26,531

- 1/ Does not include supervisors and principals. Teachers are reported in terms of positions.
- 2/ Does not include administrative staff or faculty members engaged in research, extension, etc.
- 3/ Does not include subcollegiate departments of colleges, residential schools for exceptional children, or Federal schools for Indians and Alaskans.
- 4/ Estimated.
- 5/ Data for 1977-78.
- 6/ Data for 1945-46.
- 7/ Distribution by sex estimated.
- 8/ Data for November 1953.
- 9/ 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 4. -- 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/}	5th grade												
		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	954	909	847	807	713	604	539	505	1950	205			
1943-44-----	1,000	972	914	870	827	745	630	557	524	1951	218			
1944-45-----	1,000	952	929	858	848	748	650	549	522	1952	234			
1945-46-----	1,000	959	944	875	872	766	662	552	524	1953	266			
1946-47-----	1,000	954	945	919	872	775	641	583	553	1954	283			
1947-48-----	1,000	971	948	919	858	743	670	594	559	1955	286			
1948-49-----	1,000	984	956	929	863	795	706	619	581	1956	301			
1949-50-----	1,000	984	967	918	874	795	706	614	574	1957	303			
1950-51-----	1,000	981	968	921	886	795	709	632	582	1958	308			
1951-52-----	1,000	981	965	937	890	820	719	640	597	1959	315			
1952-53-----	1,000	974	965	936	904	835	746	667	621	1960	328			
1953-54-----	1,000	990	974	943	913	852	759	680	632	1961	334			
1954-55-----	1,000	980	979	948	919	855	764	684	636	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 5 .—Level of school completed by persons 25 years old and over and 25 to 29 years old, by color: United States, 1940 to 1959

(The small number of persons not reporting on years of school completed were included in base of percentages but were not distributed)

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	
1	2	3	4	5
TOTAL				
25 Years and Over				
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 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 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 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	1.3	7.1

Note.—Data are for 48 States and D. C.

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

Table 6 .--Median school years completed by persons 25 years old and over, by regions, divisions, and States: 1960

Region, division, and State	Median school years completed				
	Total			White	Nonwhite
	Both sexes	Male	Female		
1	2	3	4	5	6
United States-----	10.6	10.3	10.9	10.9	8.2
Regions:					
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	10.8	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
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

West North Central:					
Minnesota-----	10.8	9.9	11.6	10.8	9.9
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	5.9
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 7 .--Number of persons 25 years old and over with less than 5 years of school completed, by State: 1960
 [In thousands of persons, except percentage and rank of States]

State	Resident population 25 years old and over ¹											
	Total	Persons with less than 5 years of school completed ²						White	Non-white	Urban	Rural	
		Percent of age group	Rank	Both sexes	Male	Female	White				Non-white	Nonfarm
1	2	3	4	5	6	7	8	9	10	11	12	
United States-----	99,439	8.3	---	8,202.6	4,205.2	3,796.4	5,988.7	2,213.9	5,178.4	2,208.4	815.9	
Alabama-----	1,670	16.3	46	273.0	149.3	123.7	115.4	177.6	119.3	109.3	44.4	
Alaska-----	109	8.2	34	8.6	4.8	3.7	1.1	7.5	1.1	7.4	.1	
Arizona-----	661	10.0	37	66.3	37.1	29.2	46.7	19.6	35.4	24.5	6.4	
Arkansas-----	864	15.4	45	148.2	86.1	62.2	83.6	64.6	47.7	68.4	32.1	
California-----	8,869	5.7	20	505.0	280.7	224.4	427.3	77.8	403.5	81.9	19.7	
Colorado-----	941	4.7	16	44.1	24.6	19.5	41.9	2.2	29.5	11.6	3.0	
Connecticut-----	1,482	6.3	25	93.4	44.5	48.9	87.1	6.4	80.4	11.8	1.2	
Delaware-----	246	6.6	26	16.3	9.3	7.0	9.8	6.5	9.5	5.7	1.1	
District of Columbia-----	461	7.2	30	33.2	18.2	14.9	8.3	24.8	33.2	---	---	
Florida-----	2,845	9.2	36	261.4	149.4	112.0	128.8	132.6	174.5	78.5	8.4	
Georgia-----	2,015	17.6	48	355.3	196.6	158.6	155.2	200.1	164.8	141.9	48.6	
Hawaii-----	309	15.0	44	46.4	28.5	18.0	5.0	41.4	29.4	15.5	1.5	
Idaho-----	340	3.3	3	11.2	7.2	4.0	10.5	4.7	4.7	4.7	1.8	
Illinois-----	5,808	6.3	24	365.4	192.0	173.4	280.7	74.6	308.3	45.7	11.4	
Indiana-----	2,590	4.9	17	123.8	71.2	52.6	105.6	18.2	84.2	29.8	9.7	
Iowa-----	1,541	3.0	2	46.2	27.2	19.0	44.5	1.7	24.9	14.5	6.9	
Kansas-----	1,216	3.7	8	44.7	26.0	18.7	38.8	5.8	26.4	13.8	4.4	
Kentucky-----	1,610	13.8	42	222.5	131.7	90.9	195.0	27.6	64.0	107.2	55.3	
Louisiana-----	1,639	21.3	51	348.8	185.3	163.3	159.0	189.8	175.7	134.3	38.7	
Maine-----	534	4.7	15	25.0	14.4	10.5	24.8	.2	15.0	9.0	1.0	
Maryland-----	1,693	7.7	32	129.8	72.6	57.2	79.2	50.6	86.6	36.6	6.6	
Massachusetts-----	3,011	6.0	22	180.1	84.9	95.2	173.8	6.3	160.1	18.6	1.4	
Michigan-----	4,217	5.8	21	244.3	137.9	108.4	195.6	48.7	186.7	44.9	12.7	
Minnesota-----	1,846	4.0	11	74.3	42.3	32.0	72.6	1.7	41.4	21.5	11.4	
Mississippi-----	1,065	18.8	49	200.7	116.4	84.3	48.7	151.9	55.0	84.1	61.6	
Missouri-----	2,493	7.1	29	175.8	98.0	77.9	140.8	35.1	103.9	49.0	22.9	
Montana-----	356	4.1	13	14.6	8.8	5.8	13.3	1.4	6.7	5.9	2.0	
Nebraska-----	791	3.6	6	28.6	16.2	12.4	26.8	1.8	14.3	10.2	4.1	
Nevada-----	160	3.9	10	6.2	4.0	2.2	4.4	1.8	4.0	1.8	.4	
New Hampshire-----	345	4.4	14	15.1	7.8	7.2	15.0	.1	10.8	3.9	.4	

New Jersey	3,600	7.0	220.8	121.7	129.1	210.7	40.1	229.7	22.0	3.1
New Mexico	445	12.2	24.0	28.3	23.3	42.9	11.1	23.5	24.9	5.6
New York	10,124	7.8	785.0	371.1	413.9	687.4	97.6	727.2	50.2	7.6
North Carolina	2,307	16.5	380.1	217.7	162.3	221.5	158.5	128.4	169.7	88.0
North Dakota	324	6.0	19.4	10.6	8.8	18.7	.7	5.6	9.6	4.2
Ohio	5,378	5.4	292.4	158.3	134.0	233.1	59.2	229.2	52.7	20.4
Oklahoma	1,300	8.6	111.6	64.4	47.2	90.8	20.8	52.2	46.8	12.7
Oregon	976	3.3	33.0	20.2	12.8	30.7	2.3	20.4	10.1	2.5
Pennsylvania	6,606	6.9	493.2	230.2	223.0	386.8	66.4	347.6	96.9	8.8
Rhode Island	498	7.4	37.0	17.5	19.3	36.0	1.0	33.2	3.6	.2
South Carolina	1,136	20.3	230.8	125.1	105.7	93.1	137.7	74.2	112.6	44.0
South Dakota	360	4.1	14.7	8.2	6.5	13.6	1.1	3.8	7.7	3.2
Tennessee	1,912	14.8	282.1	162.9	119.2	206.6	79.5	112.5	103.3	66.2
Texas	5,031	13.4	672.2	360.2	312.0	533.5	138.8	448.4	158.8	65.0
Utah	419	2.8	11.7	6.6	5.1	10.3	1.5	7.8	3.2	.7
Vermont	213	3.8	8.1	4.6	3.4	8.0	—	3.7	3.5	.9
Virginia	2,083	13.1	273.5	163.3	110.2	156.9	116.6	100.4	128.3	44.9
Washington	1,777	3.4	53.8	32.0	21.9	48.1	5.8	35.4	14.7	3.7
West Virginia	1,000	11.0	109.8	64.1	45.7	99.0	10.8	29.5	72.6	7.7
Wisconsin	2,175	5.3	115.0	64.0	50.9	110.1	4.9	67.3	31.0	16.7
Wyoming	174	3.6	6.3	3.9	2.4	6.0	.3	3.5	2.1	.7

1/ Resident population includes institutional population but excludes armed forces abroad.
 2/ Based on years of "regular" schooling completed through formal education obtained in public and private kindergartens and graded schools.

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 for each State.



Table 8 .—Mean income (or earnings)^{1/} for males 25 years of age and over, by years of school completed: United States, selected years

Years of school completed	1939	1946	1949	1956	1958
1	2	3	4	5	6
Elementary:					
Total-----	\$ 1,036	\$ 2,041	\$ 2,394	\$ 3,107	\$ 3,096
Less than 8 years ^{2/--}	^{3/}	1,738	2,062	2,613	2,551
8 years-----	^{3/}	2,327	2,829	3,732	3,769
High school:					
1 to 3 years-----	1,379	2,449	3,226	4,480	4,618
4 years-----	1,661	2,939	3,784	5,439	5,557
College:					
1 to 3 years-----	1,931	3,654	4,423	6,363	6,206
4 years or more-----	2,607	4,527	6,179	8,490	9,206

^{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 1958 represent total money income.

^{2/} Includes persons reporting no years of school completed, not shown separately.

^{3/} Information not available.

NOTE.—Data are for 48 States and D. C.

SOURCE: United States Department of Labor, Bureau of Labor Statistics, Occupational Outlook quarterly, September 1961, "Money Value of an Education."

Table 9 .—Estimated lifetime income for males, by years of school completed: United States, selected years

Years of school completed	1939	1949	1956	1958
1	2	3	4	5
Income from age 18 to death				
Elementary:				
Total-----	1/	\$ 113,330	\$ 154,593	\$ 154,114
Less than 8 years-----	1/	98,222	132,736	129,764
8 years-----	1/	132,683	130,857	181,695
High school:				
1 to 3 years-----	1/	152,068	205,277	211,193
4 years-----	1/	135,279	253,631	257,557
College:				
1 to 3 years-----	1/	209,282	291,581	315,504
4 years or more-----	1/	296,377	405,698	435,242
Income from age 25 to 64				
Elementary:				
Total-----	\$ 37,172	91,932	127,047	127,286
Less than 8 years-----	1/	79,654	108,310	106,449
8 years-----	1/	106,839	148,033	149,687
High school:				
1 to 3 years-----	53,011	121,943	169,501	175,779
4 years-----	67,383	148,649	208,322	215,487
College:				
1 to 3 years-----	73,655	173,166	243,611	269,105
4 years or more-----	104,608	241,427	340,131	366,990

1/ Not available.

NOTE.—Data are for 48 States and D. C.

SOURCE: United States Department of Labor, Bureau of Labor Statistics, Occupational Outlook Quarterly, September 1961, "Money Value of an Education."

Table 10.—Estimated expenditures for education, including capital outlay, by level of instruction and by type of control: United States, 1961-62

[In millions of dollars]

Level of instruction and type of school	Total	Public	Private
Total-----	\$28,962	\$22,737	\$6,225
Elementary and secondary-----	21,098	18,105	2,993
Higher education-----	7,754	4,522	3,232
Federal schools for Indians----	87	87	---
Federal schools on Federal installations-----	23	23	---

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

Table 11 .--National income related to total expenditures for education: United States, 1929-30 to 1959-60

Calendar year	National income (in millions)	School year	Expenditures for education	
			Total (in thousands)	As a percent of national income
1	2	3	4	5
1929-----	\$ 87,814	1929-30	\$ 3,233,601	3.68
1931-----	59,708	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	3,199,593	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

NOTE.--Beginning in 1959-60, expenditure data include 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 and July 1962; and unpublished data available in the Office of Education.

Chapter II

Elementary and Secondary Education
in the United States

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 our 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 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 12.—Number of public school systems, by enrollment-size group and number of pupils enrolled: United States, 1961-62

Enrollment size (number of pupils)	School systems		Pupils enrolled	
	Number	Percent	Number (in thousands)	Percent
1	2	3	4	5
U. S. total.....	37,025	100.0	37,800	100.0
25,000 or more.....	132	0.4	9,947	26.3
12,000 to 24,999.....	266	0.7	4,321	11.4
6,000 to 11,999.....	671	1.8	5,542	14.7
3,000 to 5,999.....	1,495	4.0	6,266	16.6
1,800 to 2,999.....	1,686	4.6	3,903	10.3
1,200 to 1,799.....	1,591	4.3	2,336	6.2
600 to 1,199.....	3,159	8.5	2,703	7.1
300 to 599.....	3,486	9.4	1,505	4.0
150 to 299.....	3,081	8.3	672	1.8
50 to 149.....	4,214	11.4	387	1.0
15 to 49.....	6,581	17.8	173	0.5
1 to 14.....	4,632	12.5	44	0.1
None ^{1/}	6,031	16.3	---	---

^{1/} Systems not operating schools.

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

SOURCE: U. S. Department of Commerce, Bureau of the Census, Release No. CB62-82.

Table 13.—Number of local basic administrative units (school districts), and number of public and nonpublic elementary and secondary schools: United States, 1929-30 to 1959-60

School year	Public school systems				Nonpublic schools ^{1/}	
	School districts	Elementary schools		Secondary schools	Elementary	Secondary
		Total	1-teacher			
1	2	3	4	5	6	7
1929-30----	2/	238,306	149,282	23,930	9,275	3,258
1931-32----	127,531	232,750	143,391	26,409	9,734	3,289
1933-34----	2/	236,236	139,166	24,714	9,992	3,327
1935-36----	2/	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	2/	113,600	2/	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	160,227	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	128,225	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	26,046	12,372	3,887
1957-58----	47,594	95,466	25,341	25,507	13,065	3,994
1959-60----	40,520	91,853	20,213	25,784	13,574	4,061

^{1/} Data for most years are partly estimated. The Office of Education conducted surveys of nonpublic elementary schools in 1930-31, 1932-33, and 1940-41; surveys of nonpublic secondary schools were conducted in 1929-30, 1932-33, 1940-41, and 1947-48.

^{2/} Data not available.

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 Statistics of State School Systems: 1959-60.

Table 14.—Number and percent of public secondary schools, by type of school: United States, 1919-20 to 1958-59

School year	Total	Type of school			
		Tradi- tional ^{1/}	Junior ^{2/}	Senior ^{3/}	Junior senior ^{4/}
1	2	3	4	5	6
1919-20:					
Number--	14,326	13,421	55	22	828
Percent--	100.0	93.7	.4	.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	1,760	8,591
Percent--	100.0	42.8	13.6	7.4	36.2
1958-59:					
Number--	24,190	6,024	4,996	3,040	10,130
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 15.--Number and percent of pupils enrolled in public secondary schools, by type of school: United States, 1919-20 to 1958-59

School year	Total	Type of school			
		Tradi- tional ^{1/}	Junior ^{2/}	Senior ^{3/}	Junior- senior ^{4/}
1	2	3	4	5	6
1919-20:					
Enrollment	1,999,106	1,667,480	37,331	17,791	276,504
Percent---	100.0	83.4	1.9	.9	13.8
1929-30:					
Enrollment	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:					
Enrollment	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:					
Enrollment	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:					
Enrollment	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:					
Enrollment	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 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 16. -- Enrollment by grade in full-time public elementary and secondary day schools: United States, 1948-49 to 1959-60

[In thousands]

Item	1948-49	1949-50	1950-51	1951-52	1952-53	1953-54	1954-55	1955-56	1956-57	1957-58	1958-59	1959-60
	2	3	4	5	6	7	8	9	10	11	12	13
Total enrollment	24,677	25,111	25,706	26,563	27,507	28,536	29,045	29,163	29,334	29,529	29,839	29,087
Kindergarten through grade 8	18,818	19,387	19,900	20,681	21,625	22,546	23,471	24,290	25,016	25,669	26,581	27,602
Grades 9 through 12 and postgraduates	5,658	5,724	5,806	5,882	5,882	5,990	5,574	4,873	4,318	3,860	3,258	1,485
Number in each grade:												
Kindergarten	1,016	1,034	941	1,272	1,399	1,474	1,415	1,564	1,675	1,772	1,834	1,923
First grade	2,067	2,170	2,053	2,997	3,358	3,666	3,518	3,495	3,491	3,587	3,679	3,733
Second grade	2,303	2,645	2,739	2,670	2,639	2,940	3,391	3,242	3,241	3,214	3,346	3,436
Third grade	2,315	2,398	2,600	2,718	2,633	2,569	2,896	3,291	3,183	3,176	3,179	3,302
Fourth grade	2,221	2,254	2,358	2,259	2,684	2,565	2,535	2,848	3,238	3,128	3,142	3,146
Fifth grade	2,089	2,151	2,211	2,320	2,276	2,607	2,523	2,481	2,808	3,181	3,099	3,118
Sixth grade	1,995	2,056	2,117	2,166	2,276	2,449	2,584	2,470	2,443	2,759	3,136	3,070
Seventh grade	1,919	1,947	1,995	2,063	2,143	2,273	2,432	2,542	2,476	2,458	2,785	3,173
Eighth grade	1,694	1,734	1,885	1,926	1,973	2,032	2,177	2,277	2,460	2,395	2,381	2,701
First year high school	1,709	1,761	1,781	1,820	1,861	1,944	2,028	2,145	2,268	2,480	2,412	2,412
Second year high school	1,499	1,515	1,548	1,562	1,579	1,717	1,765	1,849	1,974	2,194	2,318	2,258
Third year high school	1,267	1,275	1,313	1,338	1,307	1,412	1,520	1,543	1,615	1,736	1,822	2,063
Fourth year high school	1,126	1,134	1,128	1,111	1,108	1,190	1,246	1,326	1,349	1,431	1,538	2,174
Postgraduate	57	42	37	31	27	27	15	13	13	19	35	7

Percent in each grade:	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Total-----	4.2	4.1	3.7	4.8	5.1	5.1	4.7	5.0	5.2	5.3	5.3	5.3
Kindergarten-----	12.5	12.6	11.9	11.1	12.2	12.7	11.7	11.2	10.8	10.7	10.6	10.3
First grade-----	10.2	10.5	10.7	10.1	9.6	10.2	11.3	10.4	10.0	9.6	9.6	9.5
Second grade-----	9.5	9.5	10.1	10.2	9.6	8.9	9.6	10.6	9.8	9.5	9.1	9.2
Third grade-----	9.1	9.0	9.2	9.6	9.8	8.9	8.4	9.1	10.0	9.3	9.0	8.7
Fourth grade-----	8.5	8.6	8.6	8.7	9.2	9.0	8.4	8.0	8.7	8.3	8.9	8.6
Fifth grade-----	8.2	8.2	8.2	8.2	8.3	8.5	8.6	7.9	7.6	7.2	9.0	8.5
Sixth grade-----	7.8	7.7	7.8	7.8	7.8	7.8	8.1	8.2	7.7	7.3	8.0	8.8
Seventh grade-----	6.9	7.0	7.3	7.3	7.2	7.0	7.2	7.6	7.6	7.1	6.8	7.5
Eighth grade-----	7.0	7.0	6.9	6.9	6.8	6.7	6.7	6.9	7.3	7.4	6.9	6.7
First year high school	6.1	6.0	6.0	6.0	5.7	6.0	5.9	5.9	6.1	6.5	6.7	6.3
Second year high school	5.2	5.1	5.1	5.0	4.8	4.9	5.1	5.0	5.0	5.2	5.6	5.7
Third year high school	4.6	4.5	4.4	4.2	4.0	4.1	4.1	4.3	4.2	4.3	4.4	4.8
Fourth year high school	.2	.2	.1	.1	.1	.1	.1	.1	4.2	4.3	4.4	4.8
Postgraduate-----												

1/ Data for odd-numbered years taken from special studies or estimates.
 2/ Underlined figures, shown in diagonal progression, indicate enrollments in successive grades of the pupils who entered the first grade in 1948-49, including retarded and accelerated pupils. Because of retardation, school reintegration rates should not be calculated directly from first-grade enrollments.
 3/ Less than 0.05 percent.

Note.--Data for 1958-59 include Alaska; data for 1959-60 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: 1959-60.

Table 17.- Number of pupils enrolled in full-time public elementary and secondary day schools, by organizational level and State; fall 1961 and fall 1960

Region and State	Fall 1961			Fall 1960			Percent change in total enrollment (Plus (-) denotes decrease)					
	1	2		3	4			5	6		7	8
		Total	Elementary		Secondary	Total			Elementary	Secondary		
TOTAL UNITED STATES 1/	37,504,190	24,685,888	12,818,302	36,281,294	24,349,932	11,931,362						3.4
NORTH ATLANTIC	8,734,239	5,313,426	2,420,813	8,534,285	5,223,523	3,178,750						2.6
Connecticut	498,239	349,867	149,125	480,473	343,611	136,862						3.9
Delaware	86,908	49,750	37,158	82,206	47,372	34,834						5.7
Maine 2/	207,261	156,795	50,466	204,783	157,898	46,885						1.2
Maryland	634,988	370,235	264,753	607,363	358,022	249,341						4.5
Massachusetts	911,840	577,499	334,341	877,643	560,365	277,278						2/
New Hampshire	110,185	73,582	36,603	105,969	72,468	33,501						4.0
New Jersey	1,102,712	738,068	364,644	1,054,405	739,862	314,543						4.6
New York 3/	2,843,000	1,659,000	1,184,000	2,780,000	1,630,000	1,150,000						2.3
Pennsylvania	1,998,347	1,142,641	857,706	1,950,591	1,133,376	817,015						2.4
Rhode Island 4/	136,393	78,783	57,610	134,513	79,963	54,590						1.4
Vermont	76,345	53,473	22,872	74,891	53,393	21,498						1.9
District of Columbia	127,268	83,733	43,535	121,448	80,805	40,643						4.8
GREAT LAKES AND PLAINS	10,495,210	7,052,983	3,442,227	10,183,231	7,022,606	3,160,625						3.1
Illinois	1,810,064	1,293,762	516,302	1,741,709	1,287,337	554,372						3.9
Indiana	1,010,290	659,463	350,827	2,983,531	2,709,496	2,274,035						3/
Iowa	569,499	376,184	213,315	577,735	381,276	196,459						2.0
Kansas	474,871	307,380	117,486	463,300	349,274	113,986						2.5
Michigan	1,726,468	1,070,410	656,058	1,680,740	1,045,537	638,303						2.7
Minnesota	708,894	413,748	295,146	692,336	413,798	278,578						2.4
Missouri 2/	838,723	634,197	204,526	824,595	628,045	196,350						1.7
Nebraska	291,229	189,561	101,668	282,997	193,319	89,678						2.9



North Dakota 2/	138,729	98,853	39,876	138,163	100,897	37,266	4
Ohio	2,007,117	1,323,114	684,003	1,924,077	1,285,255	638,822	4.3
South Dakota	153,077	103,842	49,235	149,348	2/111,212	2/38,136	2.5
Wisconsin 5/	746,249	532,444	213,805	722,053	517,000	208,000	2.9
SOUTHEAST							
Alabama	8,990,292	5,973,924	3,016,368	8,720,792	5,954,258	2,827,534	2.3
Arkansas 4/	786,978	457,411	329,567	789,134	444,200	344,934	3
Florida 3/	430,309	240,512	189,797	422,160	240,021	182,159	1.9
Georgia 7/	1,030,353	598,349	432,004	979,165	775,533	403,632	5.2
	977,768	652,151	305,617	931,539	646,280	285,259	2.8
Kentucky	625,000	447,000	178,000	618,204	443,452	174,752	1.1
Louisiana	725,875	560,000	165,875	714,000	559,000	155,000	1.7
Mississippi	553,805	377,154	196,651	575,000	387,000	188,000	-3.7
North Carolina 2/	1,125,834	843,886	281,948	1,102,026	839,916	262,110	2.2
South Carolina	598,526	379,470	219,088	580,920	375,152	205,768	3.0
Tennessee	8/845,000	8/585,000	8/260,000	794,760	604,017	190,743	2/
Virginia	874,022	592,044	281,978	847,228	582,872	264,356	3.2
West Virginia	436,790	260,947	175,843	437,656	266,915	170,741	-2
WEST AND SOUTHWEST							
Alaska	2,284,449	6,345,222	2,928,894	8,871,986	6,107,433	2,764,222	4.6
Arizona 2/	46,929	38,030	8,899	43,306	33,779	9,727	8.4
California	3,560,000	2,410,000	1,150,000	3,053,600	2,282,000	1,071,600	12.1
Colorado	415,282	251,496	163,786	392,343	243,371	148,972	6.2
Hawaii 4/	148,333	88,477	59,876	143,615	86,087	57,528	5.8
Idaho	163,878	90,892	72,986	158,918	88,879	70,039	3.1
Montana	149,706	101,309	48,397	146,315	89,696	57,619	2.3
Nevada	70,117	45,512	24,605	64,378	42,424	21,954	8.9
New Mexico 4/	228,778	134,526	94,252	222,953	133,138	89,815	2.6
Oklahoma	9/550,000	9/335,500	9/214,500	10/544,716	10/323,157	10/221,579	2/
Oregon	398,841	271,611	127,230	388,590	270,433	118,157	2.6
Texas 2/	2,219,811	1,715,153	944,648	2,151,256	1,678,809	472,427	3.2
Utah	246,892	146,244	100,648	237,785	142,986	94,799	3.8
Washington	660,230	403,183	297,047	638,433	397,788	240,645	3.4
Wyoming 4/	81,652	48,642	33,010	78,922	48,615	30,317	3.4

Table 17.--Number of pupils enrolled in full-time public elementary and secondary day schools, by organizational level and State: fall 1961 and fall 1960 (Cont.)

Region and State	Fall 1961			Fall 1960			Percent change in total enrollment (Minus (-) denotes decrease)
	Total	Elementary	Secondary	Total	Elementary	Secondary	
	2	3	4	5	6	7	
Outlying Parts:							8
American Samoa	5,577	3,532	2,025	5,378	3,423	1,955	3.3
Canal Zone	11,943	6,860	5,083	11,443	6,541	4,902	4.4
Guam	14,148	8,919	5,229	13,690	9,099	4,631	3.3
Puerto Rico	581,204	389,138	192,066	570,461	386,705	183,756	1.9
Virgin Islands ^{1/}	7,349	5,011	2,338	6,879	4,741	2,138	6.8

^{1/} 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. ^{2/} Data for elementary and secondary schools are reported by grade group: kindergarten through grade 6 for elementary, and grades 7 to 12 for secondary. ^{3/} Percent change not shown because data are not entirely comparable. ^{4/} Data for elementary and secondary schools are reported by grade group: kindergarten through grade 6 for elementary, and grades 7 to 12 for secondary. ^{5/} As of June 30, 1960. ^{6/} Excludes vocational schools not operated as part of the regular public school system. ^{7/} Data for elementary and secondary schools are reported by grade group: kindergarten through grade 7 for elementary, and grades 8 to 12 for secondary. ^{8/} Estimated data for 1961-62 school year. ^{9/} Estimated by Office of Education.

Source: U.S. Department of Health, Education, and Welfare, Office of Education, Circular No. 676, Fall 1961 Statistics on Enrollment, Teachers, and Schoolhouses in Full-Time Public Elementary and Secondary Day Schools.

Table 18.—Estimated enrollment in science and mathematics courses in public high schools: United States, 1958-59

Course	Typical grade	Typical age group	Estimated enrollment	
			Number	Percent ^{1/}
1	2	3	4	5
All science courses----	9-12	---	4,670,000	56.8
General science-----	9	14	1,581,000	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	---	5,108,000	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; column 5 computed using grade enrollment data from Office of Education Circular No. 650, Statistics of State School Systems, 1958-59.

Table 19.—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

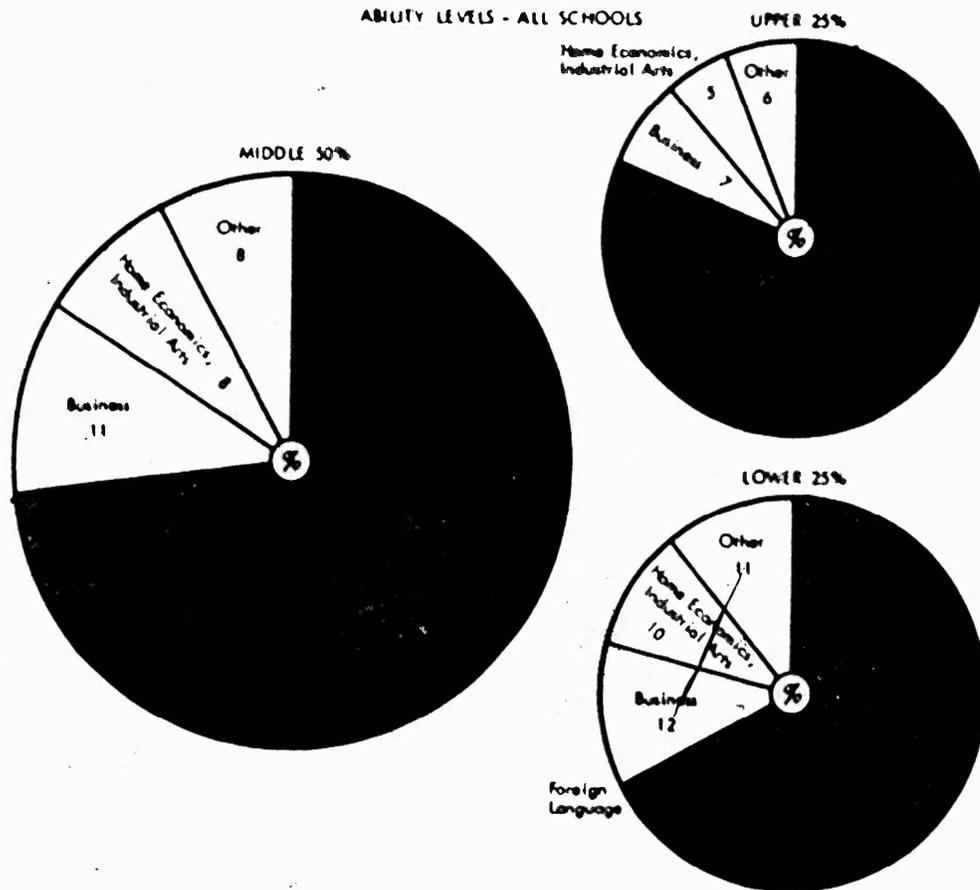
Course	Year				Percent of increase 1948-49 to 1958-59
	1948-49	1954-55 ^{1/}	1956-57 ^{1/}	1958-59 ^{1/}	
1	2	3	4	5	6
General science-----	1,074,000	-----	1,518,000	1,581,000	47.2
Biology-----	996,000	1,294,000	1,430,000	1,677,000	68.4
Chemistry-----	412,000	483,000	520,000	657,000	59.5
Physics-----	291,000	303,000	310,000	379,000	30.2
Other science-----	172,000	-----	266,000	376,000	118.5
Total science---	2,945,000	-----	4,043,000	4,670,000	58.6
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 mathema-	2,958,000	-----	4,401,000	5,108,000	72.7
Total enroll-					
ment, 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 D.C.

Source: U.S. Department of Health, Education, and Welfare, Office of Education, Bulletin 1962, No. 10, What High School Pupils Study.

Table 20.—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 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
United States-----	36,086,771	27,601,902	8,484,869	32,477,440	90.0	178.0
North Atlantic-----	8,452,285	6,356,853	2,095,432	7,521,987	89.8	180.0
Connecticut-----	476,828	365,947	110,881	425,006	89.1	180.4
Delaware-----	80,874	61,655	19,219	73,342	90.7	180.0
Maine-----	195,325	151,856	43,469	182,026	93.2	181.4
Maryland-----	596,375	456,936	139,439	533,751	89.5	180.9
Massachusetts-----	2,860,667	643,044	2,17,623	793,339	2/92.2	177.6
New Hampshire-----	105,827	81,064	24,763	95,568	90.3	178.0
New Jersey-----	1,051,079	796,462	254,617	942,308	89.7	180.5
New York-----	2,828,853	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-----	272,822	56,725	16,097	70,167	2/96.4	177.0
District of Columbia-----	122,486	96,815	25,671	105,801	86.4	180.2
Great Lakes and Plains-----	10,159,357	7,720,977	2,438,380	9,020,420	88.8	177.9
Illinois-----	1,787,869	1,356,360	431,509	1,514,236	84.7	179.2
Indiana-----	989,259	752,435	236,824	865,741	87.2	173.0
Iowa-----	598,103	456,986	141,117	537,832	89.9	178.3
Kansas-----	478,630	365,565	113,065	441,005	92.1	179.3
Michigan-----	2,162,217	1,253,466	371,781	1,457,592	2/89.7	178.0
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	176.0
North Dakota-----	136,766	101,166	35,600	126,139	92.2	179.2
Ohio-----	1,905,995	1,469,707	436,288	1,733,888	91.0	177.2
South Dakota-----	153,563	116,436	37,127	138,108	88.9	177.8
Wisconsin-----	688,509	504,688	193,821	616,470	88.3	177.8

	8,872,919	6,909,210	1,963,709	7,892,341	88.9	177.3
Southeast						
Alabama	781,269	608,563	178,706	709,047	90.1	175.6
Arkansas	424,206	323,789	100,417	372,591	87.9	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
West and Southwest						
Arizona	8,602,210	6,614,862	1,987,348	7,972,692	92.7	177.0
California	302,672	235,717	66,955	257,840	85.2	172.8
Colorado	5/3,199,455	2,473,392	726,063	5/3,155,006	5/98.6	177.7
Idaho	393,690	308,870	84,820	345,234	87.7	178.3
Montana	162,839	120,414	42,425	147,459	90.6	177.0
Nevada	144,998	109,164	35,834	6/131,650	6/90.8	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	235,934	178,064	57,870	216,317	91.7	180.0
Washington	2/609,035	453,489	155,546	568,641	2/93.4	179.9
Wyoming	81,431	62,285	19,146	71,439	87.7	180.0
Alaska						
Hawaii						
	44,450	36,820	7,630	37,782	85.0	173.8
	2/139,429	106,008	33,421	130,948	2/93.9	179.8

Table 20.—Enrollment, attendance, and length of school term in public elementary and secondary day schools, by State: 1959-60 (Cont.)

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
Outlying Parts:						
American Samoa-----	25,462	4,756	706	7/	7/	2/180.0
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 21.—Enrollment in full-time nonpublic regular 1/ elementary and secondary day schools, by State: 1959-60

Region and State	Total	Kindergarten and grades 1 through 8	Grades 9 through 12 and postgraduate
1	2	3	4
United States-----	5,674,943	2/4,639,696	1,035,247
North Atlantic-----	2,346,189	1,910,730	435,459
Connecticut-----	102,633	77,531	25,102
Delaware-----	17,872	14,387	3,485
Maine-----	33,701	23,121	10,580
Maryland 3/-----	126,678	2/107,035	19,643
Massachusetts 3/-----	247,144	2/195,992	51,152
New Hampshire-----	33,303	24,702	8,601
New Jersey 4/-----	280,710	229,311	51,399
New York-----	824,000	678,200	145,800
Pennsylvania-----	590,696	493,662	97,034
Rhode Island 3/-----	51,601	41,099	10,502
Vermont-----	17,385	11,422	5,963
District of Columbia 4/-----	20,466	14,268	6,198
Great Lakes and Plains--	2,040,478	1,698,479	341,999
Illinois-----	501,093	419,031	82,062
Indiana 4/-----	125,482	106,545	18,937
Iowa-----	91,530	73,892	17,638
Kansas-----	48,426	40,387	8,039
Michigan-----	298,275	242,577	55,698
Minnesota-----	158,560	135,555	23,005
Missouri 4/-----	153,737	125,729	28,008
Nebraska-----	51,258	42,435	8,823
North Dakota-----	19,290	15,602	3,688
Ohio-----	331,670	269,772	61,898
South Dakota-----	18,033	15,605	2,428
Wisconsin 4/-----	243,124	211,349	31,775
Southeast-----	520,350	413,383	106,967
Alabama 4/-----	30,976	23,957	7,019
Arkansas-----	11,705	9,223	2,482
Florida-----	71,901	5/57,200	14,701
Georgia 5/-----	29,100	22,000	7,100
Kentucky-----	86,485	2/71,790	14,695
Louisiana-----	131,084	109,038	22,046
Mississippi 5/-----	18,000	14,000	4,000
North Carolina-----	15,806	12,300	3,506
South Carolina-----	15,924	11,698	4,226
Tennessee-----	34,819	24,768	10,051
Virginia 5/-----	58,000	45,000	13,000
West Virginia-----	16,550	12,409	4,141

Table 21.—Enrollment in full-time nonpublic regular ^{1/} elementary and secondary day schools, by State: 1959-60 (Cont.)

Region and State	Total	Kindergarten and grades 1 through 8	Grades 9 through 12 and postgraduate
1	2	3	4
West and Southwest-----	767,926	617,104	150,822
Alaska-----	2,063	1,624	439
Arizona-----	30,771	24,984	5,787
California ^{4/} -----	345,963	272,927	73,036
Colorado ^{4/} -----	41,236	33,135	8,101
Hawaii ^{3/} -----	29,585	^{2/} 22,017	7,568
Idaho-----	8,021	7,028	993
Montana-----	19,379	15,529	3,850
Nevada-----	4,108	3,352	756
New Mexico-----	25,493	21,694	3,799
Oklahoma-----	19,837	^{5/} 16,000	3,837
Oregon ^{4/} -----	35,275	28,159	7,116
Texas ^{5/} -----	143,000	120,000	23,000
Utah ^{4/} -----	6,204	4,434	1,770
Washington-----	52,869	42,590	10,279
Wyoming ^{4/} -----	4,122	3,631	491
Outlying parts of the U.S.:			
American Samoa-----	975	875	100
Canal Zone-----	768	768	---
Guam-----	3,867	3,070	797
Puerto Rico ^{6/} -----	54,023	41,883	12,140
Virgin Islands-----	2,766	2,426	340

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

^{2/} Includes 7,458 pupils in nursery schools in the following States: Maryland, 2,388; Massachusetts, 2,100; Kentucky, 1,109; and Hawaii, 1,861.

^{3/} Enrollment not cumulative, but as of a specific date.

^{4/} Source: U. S. Census of Population: 1960, "General Social and Economic Characteristics," Final Report, PC(I)-C, Individual State bulletins.

^{5/} Estimated by Office of Education.

^{6/} Data for accredited schools only.

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

Table 22.—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	All groups	Group I ^{1/}	Group II ^{2/}	Group III ^{3/}
1	2	3	4	5
All fields-----	3,241,000	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-----	50,500	9,020	10,600	30,900
Civic and public affairs-----	73,400	42,100	10,200	21,000
Personal development and group relationships-----	71,900	23,200	7,580	41,100
Family relationships-----	132,000	52,300	30,500	43,700
Homemaking and consumer education-----	459,000	152,000	47,600	259,000
Agricultural courses-----	106,000	1,960	6,240	97,700
Distributive education-----	88,600	61,400	11,500	15,700
Trade, industrial, and technical courses-----	560,000	238,000	54,500	268,000
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
Inservice training for professional persons-----	65,200	45,400	5,800	14,100
Other-----	11,100	4,680	1,560	4,890

^{1/} Includes school systems with elementary and secondary school enrollment of 25,000 and over.

^{2/} Includes school systems with elementary and secondary school enrollment of 12,000 to 24,999.

^{3/} Includes 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 23.--Enrollment in federally aided vocational classes, by type of program:
United States and outlying parts, 1949-50 to 1960-61

School year	Total	Type of program						Area programs		
		1	2	3	4	5	6		7	8
1949-50	3,364,613			764,975	364,670	1,430,366	804,602			
1950-51	3,363,412			771,028	341,440	1,458,605	792,339			
1951-52	3,165,868			745,402	234,984	1,391,389	793,213			
1952-53	3,100,139			755,293	209,012	1,327,285	808,549			
1953-54	3,164,831			737,502	220,619	1,380,147	826,583			
1954-55	3,314,255			776,138	235,355	1,431,808	870,934			
1955-56	3,413,159			785,599	277,025	1,486,816	883,719			
1956-57	3,521,555			774,850	279,903	1,507,940	921,761			
1957-58	3,629,339			775,892	282,558	1,559,822	983,644	7,101		
1958-59	3,701,121			777,223	310,591	1,585,860	966,114	27,423		
1959-60	3,768,149			796,237	303,764	1,588,109	936,490	30,769		48,564
1960-61 $\frac{1}{2}$	3,855,564			805,322	306,083	1,610,334	963,609	40,250		101,279
								47,264		122,992

$\frac{1}{2}$ Provisional data.

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

Table 24. --Number of mathematics and science teachers in public secondary day schools, by periods taught per day: United States, fall 1961

Periods per day	Teachers	
	Number	Percent
1	2	3
SCIENCE TEACHERS		
Total-----	1/103,666	100.0
4 or more-----	64,951	62.7
2-3-----	23,334	22.5
1-----	15,381	14.8
MATHEMATICS TEACHERS		
Total-----	1/118,298	100.0
4 or more-----	76,512	64.7
2-3-----	24,347	20.6
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 25.—Number of full-time and part-time classroom teachers, and number of full-time teachers with less than standard certificates in full-time public elementary and secondary day schools, by organizational level and State: fall 1961

Region and State	All teachers			Teachers with less than standard certificates		
	Total	Elementary	Secondary	Total	Elementary	Secondary
1	2	3	4	5	6	7
TOTAL UNITED STATES (50 States and D. C.)...	1,462,859	870,631	592,228	89,697	64,464	25,233
NORTH ATLANTIC	363,563	195,919	167,644	26,358	16,176	10,182
Connecticut.....	20,531	12,374	8,157	1,700	1,100	600
Delaware.....	3,875	1,999	1,876	490	400	90
Maine.....	8,531	5,813	2,718	356	270	86
Maryland 1/.....	24,929	12,857	12,072	6,452	4,377	2,075
Massachusetts.....	38,108	21,004	17,104	898	410	488
New Hampshire.....	4,663	2,813	1,850	183	113	70
New Jersey.....	48,774	27,895	20,879	6,605	5,010	1,595
New York.....	122,985	64,039	58,946	6,191	2,674	3,517
Pennsylvania.....	77,661	39,415	38,246	1,400	547	853
Rhode Island.....	5,583	2,887	2,696	349	154	195
Vermont.....	3,394	2,155	1,239	254	151	103
District of Columbia..	4,529	2,668	1,861	1,480	970	510
GREAT LAKES & PLAINS	424,250	264,496	159,754	24,424	20,770	3,654
Illinois.....	76,387	53,110	23,277	5,900	5,298	602
Indiana.....	36,763	23,999	12,764	2,700	2,250	450
Iowa.....	26,621	14,980	11,641	280	200	80
Kansas.....	22,085	13,525	8,560	-	-	-
Michigan.....	66,159	38,372	27,787	6,957	6,540	417
Minnesota.....	29,381	15,157	14,224	527	425	102
Missouri.....	30,894	21,035	9,859	136	49	87
Nebraska.....	13,920	8,598	5,322	582	459	123
North Dakota.....	6,857	4,425	2,432	-	-	-
Ohio.....	75,278	45,318	29,960	5,170	3,880	1,290
South Dakota.....	7,959	5,239	2,720	1,172	869	303
Wisconsin 2/.....	31,946	20,738	11,208	1,000	800	200

Table 25.—Number of full-time and part-time classroom teachers, and number of full-time teachers with less than standard certificates in full-time public elementary and secondary day schools, by organizational level and State: fall 1961 (Cont.)

Region and State	All teachers			Teachers with less than standard certificates		
	Total	Elementary	Secondary	Total	Elementary	Secondary
1	2	3	4	5	6	7
SOUTHEAST.....	324,395	198,103	126,292	15,360	11,703	3,657
Alabama.....	26,297	14,684	11,613	2,072	1,199	873
Arkansas.....	15,453	8,557	6,896	1,948	1,559	389
Florida.....	39,724	21,737	17,987	311	296	15
Georgia.....	33,102	21,032	12,070	592	428	164
Kentucky.....	23,735	15,475	8,260	2,478	2,141	337
Louisiana.....	27,118	16,115	11,003	1,500	1,020	480
Mississippi.....	19,027	10,973	8,054	795	420	375
North Carolina.....	39,013	28,045	10,968	1,354	1,148	206
South Carolina.....	21,273	12,289	8,984	3/ 37	3/ 11	3/ 26
Tennessee.....	29,593	19,520	10,073	1,075	860	215
Virginia.....	33,814	20,328	13,486	2,057	1,765	292
West Virginia.....	16,246	9,348	6,898	1,141	856	285
WEST AND SOUTHWEST.....	350,651	212,113	138,538	23,555	15,815	7,740
Alaska.....	2,037	1,442	595	60	42	18
Arizona.....	12,042	9,004	3,038	72	67	5
California.....	124,250	76,750	47,500	11,500	8,000	3,500
Colorado.....	17,763	9,666	8,097	273	214	59
Hawaii.....	5,004	3,004	2,000	38	13	25
Idaho.....	6,893	3,422	3,471	1,636	1,053	583
Montana.....	6,961	4,810	2,151	89	84	5
Nevada.....	2,980	1,825	1,155	-	-	-
New Mexico.....	9,122	5,028	4,094	19	14	5
Oklahoma.....	21,355	12,155	9,200	-	-	-
Oregon.....	17,736	10,858	6,878	1,136	1,086	50
Texas.....	85,531	51,960	33,571	6,900	3,795	3,105
Utah.....	9,019	4,910	4,109	263	186	77
Washington.....	25,800	14,950	10,850	4/1,100	4/ 900	4/200
Wyoming.....	4,158	2,329	1,829	469	361	108
Outlying Parts:						
American Samoa.....	323	260	63	5	-	5
Canal Zone.....	374	201	173	2	2	-
Guam.....	512	296	216	57	53	4
Puerto Rico.....	14,159	8,415	5,744	3,835	1,143	2,692
Virgin Islands.....	241	132	109	-	-	-

- 1/ Includes librarians and guidance personnel.
- 2/ Excludes vocational schools not operating as part of the regular public school system.
- 3/ Data for 1960-61 school year.
- 4/ Excludes teachers having temporary certification because of limited technical deficiencies.

Source: U. S. Department of Health, Education, and Welfare, Office of Education, Circular No. 676, Fall 1961 Statistics on Enrollment, Teachers, and Schoolhousing in Full-Time Public Elementary and Secondary Day Schools.

Table 26.--Instructional staff in public elementary and secondary day schools, by type of position 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 nonsupervisory instructional personnel
1	2	3	4	5	6	7	8	9
UNITED STATES.....	1,464,031	63,554	13,775	1,354,958	15,816	13,119	2,054	755
North Atlantic.....	361,324	14,067	4,198	337,282	2,858	3,812	869	238
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.....	2/23,691	1,055	364	3/22,272	4/	4/	4/	-
Massachusetts.....	37,194	1,526	681	34,280	211	390	56	50
New Hampshire.....	4,450	181	-	4,187	13	46	-	-
New Jersey.....	5/47,264	1,641	485	5/44,997	-	-	141	-
New York.....	125,732	4,829	1,049	116,017	1,533	1,623	501	180
Pennsylvania.....	78,915	2,885	1,092	72,900	855	1,094	88	-
Rhode Island.....	5/ 5,727	248	69	5/ 5,254	40	116	-	-
Vermont.....	3,270	110	79	3,035	17	27	-	2
District of Columbia.....	4,552	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.....	74,408	3,082	541	70,154	681	-	-	-
Indiana.....	37,805	1,860	415	35,366	164	4/	4/	146
Iowa.....	29,630	1,111	257	27,435	181	4/	22	-
Kansas.....	22,449	1,330	-	3/21,119	4/	4/	117	-
Michigan.....	65,502	2,571	495	60,394	1,049	876	15	-
Minnesota.....	29,999	1,048	231	27,443	526	326	15	-
Missouri.....	31,810	1,508	218	29,559	150	375	7	27
Nebraska.....	14,345	429	122	13,622	159	68	3	-
North Dakota.....	7,709	453	-	6,984	159	110	-	-
Ohio.....	76,947	3,283	788	71,618	527	604	127	-
South Dakota.....	8,018	148	-	7,870	-	-	-	-
Wisconsin.....	31,287	6/ 914	374	28,740	6/ 579	510	5/170	-
Southeast.....	205,601	8,500	1,800	195,300	15,000	13,000	2,000	800

Alabama.....	27,836	2,135	299,901	5,023	1,245	419	2
Arkansas.....	15,256	152	3/ 26,684	-	4	-	-
Florida.....	38,665	43	14,429	202	90	-	-
Georgia.....	33,948	251	35,249	875	405	3/ 391	4/
Kentucky.....	24,758	407	31,875	416	204	-	-
Louisiana.....	26,865	225	22,822	590	162	5	-
Mississippi.....	18,753	221	24,366	665	222	-	-
North Carolina.....	39,333	65	17,095	269	76	-	-
South Carolina.....	21,142	309	36,219	558	135	15	5
Tennessee.....	26,931	98	19,673	730	102	-	-
Virginia.....	32,698	225	25,550	535	149	8	-
West Virginia.....	17,340	247	3/ 30,146	183	4/	-	-
West and Southwest.....	345,623	3,401	317,471	3,849	4,415	305	339
Arizona.....	12,175	54	11,184	249	3/ 138	4/	-
California.....	122,159	1,707	111,703	845	1,395	250	-
Colorado.....	16,931	79	15,865	-	280	21	-
Idaho.....	6,536	41	5,906	148	137	-	-
Montana.....	7,215	66	6,704	92	48	-	-
Nevada.....	2,713	29	2,487	31	33	4	-
New Mexico.....	8,893	76	8,131	91	90	-	-
Oklahoma.....	20,944	47	19,953	62	178	6	-
Oregon.....	17,217	201	15,423	241	450	4/	-
Texas.....	84,949	660	78,986	1,125	693	-	-
Utah.....	8,885	92	7,949	177	180	21	-
Washington.....	8,229	243	23,249	2/ 617	8/ 661	-	-
Wyoming.....	3,913	55	3,610	42	44	-	339
Alaska.....	1,795	11	1,672	15	14	-	-
Hawaii.....	5,069	-	4,649	114	74	3	-

Table 26.—Instructional staff in public elementary and secondary day schools, by type of position and State: 1959-60 (Cont.)

Region and State	Total instructional staff	Principals (including assistant principals)	Consultants or supervisors of instruction	Classroom teachers	Librarians	Guidance personnel	Psychological personnel	Other nonsupervisory instructional personnel
1	2	3	4	5	6	7	8	9
Outlying parts of the U. S.:								
American Samoa.....	287	3	14	268	1	1	-	-
Canal Zone.....	413	17	5	379	6	4	2	-
Guam.....	590	34	9	544	2	1	-	-
Puerto Rico.....	14,562	562	415	13,250	124	122	-	89
Virgin Islands.....	242	12	6	220	2	2	-	-

1/ 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.

2/ Excludes home and hospital teachers.

3/ Includes personnel in other columns identified by footnote 4.

4/ See footnote 3.

5/ Includes visiting teachers.

6/ Estimated by State.

7/ Includes 53 positions in laboratory schools operated by State universities.

8/ Includes attendance personnel.

9/ Includes audiovisual personnel.

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

Table 27.—Number of instructional staff in regular nonpublic elementary and secondary day schools, by level and by State: 1959-60

Region and State	Number of instructional staff		
	Total	Elementary	Secondary
1	2	3	4
United States-----	175,633	119,659	55,974
North Atlantic-----	71,436	47,364	24,072
Connecticut-----	4,059	1/2,200	1/1,859
Delaware 2/-----	570	360	210
Maine-----	1,279	3/639	640
Maryland-----	4,361	1/3,099	1/1,262
Massachusetts 2/-----	7,925	5,025	2,900
New Hampshire-----	1,391	753	638
New Jersey 2/-----	7,835	5,210	2,625
New York 2/-----	24,330	17,000	7,330
Pennsylvania-----	16,502	11,294	5,208
Rhode Island-----	1,704	1/1,114	1/590
Vermont 2/-----	705	310	395
District of Columbia 2/-----	775	360	415
Great Lakes and Plains----	60,931	43,569	17,362
Illinois-----	14,930	10,984	3,946
Indiana 2/-----	3,585	2,665	920
Iowa-----	3,182	1/2,082	1/1,100
Kansas-----	1,684	1,157	527
Michigan 2/-----	7,810	5,280	2,530
Minnesota-----	4,999	3,617	1,382
Missouri 2/-----	4,685	3,145	1,540
Nebraska-----	1,782	1,243	539
North Dakota-----	717	472	245
Ohio-----	9,742	6,870	2,872
South Dakota-----	675	494	181
Wisconsin 2/-----	7,140	5,560	1,580
Southeast-----	18,463	12,029	6,434
Alabama 2/-----	1,110	685	425
Arkansas-----	437	300	137
Florida 2/-----	2,550	1,630	920
Georgia 2/-----	1,105	630	475
Kentucky 3/-----	2,840	1,862	978
Louisiana-----	4,160	3,178	982
Mississippi 3/-----	693	428	265

Table 27.—Number of instructional staff in regular nonpublic elementary and secondary day schools, by level and by State: 1959-60 (Cont.)

Region and State	Number of instructional staff		
	Total	Elementary	Secondary
1	2	3	4
North Carolina-----	666	492	174
South Carolina-----	694	419	275
Tennessee 2/-----	1,450	775	675
Virginia 2/-----	2,165	1,285	880
West Virginia-----	593	345	248
West and Southwest-----	24,803	16,697	8,106
Arizona 2/-----	850	550	300
California 2/-----	10,600	6,800	3,800
Colorado 2/-----	1,680	1,180	500
Idaho-----	325	255	70
Montana-----	616	398	218
Nevada-----	90	63	27
New Mexico-----	901	671	2/230
Oklahoma-----	638	2/430	208
Oregon-----	1,164	769	395
Texas 2/-----	4,500	3,240	1,260
Utah 2/-----	245	140	105
Washington-----	1,631	2/1,120	511
Wyoming 2/-----	115	95	20
Alaska-----	142	90	52
Hawaii-----	1,306	1/896	1/410
Outlying parts of the U.S.:			
American Samoa-----	36	28	8
Canal Zone-----	15	15	---
Puerto Rico 4/-----	1,680	1,070	2/610
Virgin Islands-----	76	64	12

- 1/ Distribution by level estimated by Office of Education.
- 2/ Estimated by Office of Education.
- 3/ Estimated by State.
- 4/ Data for accredited schools only.

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

Table 28—Average annual salary of total instructional staff 1/ in full-time public elementary and secondary day schools, by 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
	2	3	4	5
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	3/5,800	4,061	3/5,800
Maine-----	2,115	3,694	2,624	3,694
Maryland-----	3,594	5,557	4,459	5,557
Massachusetts-----	3,338	4/5,545	4,141	4/5,545
New Hampshire-----	2,712	4,455	3,365	4,455
New Jersey-----	3,511	5/5,871	4,356	5/5,871
New York-----	3,706	6,537	4,598	6,537
Pennsylvania-----	3,006	5,308	3,730	5,308
Rhode Island-----	3,294	5/5,499	4,087	5/5,499
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	6/5,184	4,290	6/5,184
Indiana-----	3,401	5,542	4,220	5,542
Iowa-----	2,420	3/4,030	3,002	3/4,030
Kansas-----	2,628	3/4,450	3,261	3/4,450
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-----	3,088	5,124	3,831	5,124
South Dakota-----	2,064	3,725	2,561	3,725
Wisconsin-----	3,007	7/4,870	3,731	7/4,870
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	8/3,904	2,435	8/3,904
Kentucky-----	1,936	3,327	2,402	3,327

Table 28.—Average annual salary of total instructional staff 1/ in full-time public elementary and secondary day schools, by State: 1949-50 and 1959-60 (Cont.)

Region and State	Unadjusted dollars		Adjusted dollars (1959-60 purchasing power)2/	
	1949-50	1959-60	1949-50	1959-60
1	2	3	4	5
Southeast (cont.)				
Louisiana-----	2,983	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	3,920	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	5,500	4,412	5,590
California-----	9/	3/6,600	9/	3/6,600
Colorado-----	2,821	4,997	3,500	4,997
Idaho-----	2,481	4,216	3,078	4,216
Montana-----	2,962	5/4,425	3,675	5/4,425
Nevada-----	3,200	5,693	3,981	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	5/5,643	4,326	5/5,643
Wyoming-----	2,798	4,937	3,471	4,937
Alaska 10/-----	9/	6,859	9/	9/
Hawaii-----	9/	5,390	9/	5,390

Table 28.—Average annual salary of total instructional staff ^{1/} in full-time public elementary and secondary day schools, by State: 1949-50 and 1959-60 (Cont.)

Region and State	Unadjusted dollars		Adjusted dollars (1959-60 purchasing power) ^{2/}	
	1949-50	1959-60	1949-50	1959-60
	2	3	4	5
Cutlying Parts:				
American Samoa-----	9/	852	9/	2/
Canal Zone-----	9/	6,034	9/	6/
Guam-----	9/	4,107	9/	9/
Puerto Rico-----	9/	3/2,360	9/	9/
Virgin Islands-----	9/	3,407	9/	9/

- ^{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 29.—Instruction rooms available, completed, abandoned, and needed in full-time public elementary and secondary day schools, by State: 1960-62

Region and State	Available, beginning 1960-61 school year	Completed during 1960-61 school year	Abandoned during 1960-61 school year	Available, beginning 1961-62 school year	Additional instruction rooms needed (as of fall 1961)				Scheduled for completion during 1961-62 (not available for fall 1961 shortage)
					Total	To accommodate excess enrollment	To replace unsatisfactory facilities	To replace factory facilities	
1	2	3	4	5	6	7	8	9	
United States 2/	1,321,624	72,197	18,701	1,385,080	127,165	60,169	66,996	62,737	
North Atlantic	307,787	14,155	3,924	318,018	33,325	18,232	15,093	12,934	
Connecticut	18,134	769	163	18,740	941	683	258	801	
Delaware	3,269	130	6	3,493	167	93	74	86	
Maine	7,644	494	294	7,844	856	504	352	420	
Maryland	19,307	1,292	63	20,536	2,992	2,515	437	1,240	
Massachusetts	33,189	1,713	353	34,549	2,382	1,351	1,031	1,462	
New Hampshire	4,173	321	171	4,323	245	153	92	179	
New Jersey	38,507	1,947	285	40,169	3,902	2,797	1,105	2,228	
New York	99,990	3,970	939	102,981	13,599	6,117	7,482	4,320	
Pennsylvania	71,546	3,022	1,583	72,985	6,883	3,083	3,800	1,969	
Rhode Island	4,798	234	19	5,013	297	185	112	62	
Vermont	3,197	161	48	3,310	315	199	116	83	
District of Columbia	3,973	102	---	4,075	786	552	234	84	
Great Lakes and Plains	387,142	20,297	5,134	402,405	33,014	14,063	18,951	17,055	
Illinois	64,761	4,013	964	67,810	7,409	3,669	3,740	2,386	
Indiana	37,685	2,000	320	37,365	1,262	333	929	1,620	
Iowa	20,148	540	91	20,597	620	470	150	500	
Kansas	25,185	461	138	25,508	2,513	1,428	1,085	468	
Michigan	27,479	3,616	240	60,855	7,923	1,876	6,047	3,450	
Minnesota	27,518	1,583	408	28,693	2,126	1,110	1,016	992	

Missouri-----	30,975	1,114	396	31,693	3,601	1,439	2,162	1,643
Nebraska-----	14,001	529	378	14,152	1,600	865	735	407
North Dakota-----	6,737	438	459	6,716	704	172	532	310
Ohio-----	69,279	3,770	910	72,139	3,096	1,998	1,498	3,581
South Dakota-----	7,831	230	202	7,859	653	363	290	287
Wisconsin ✓-----	27,543	2,103	628	29,018	1,507	740	767	1,411
Southeast-----	308,969	15,516	5,402	319,083	40,399	17,458	22,941	13,158
Alabama-----	25,740	1,397	632	26,505	5,166	2,982	2,184	1,530
Arkansas-----	14,548	954	478	15,024	2,696	871	1,825	306
Florida-----	33,064	2,396	404	35,056	4,703	2,575	2,128	2,002
Georgia-----	34,024	1,970	311	34,683	3,464	2,088	1,376	884
Kentucky-----	22,662	1,243	200	23,705	7,374	1,180	6,194	1,100
Louisiana-----	27,213	780	242	27,751	1,875	687	1,188	1,170
Mississippi-----	17,420	1,540	788	18,172	1,578	586	992	882
North Carolina-----	39,650	1,615	625	40,640	4,026	1,645	2,381	1,616
South Carolina-----	20,341	869	469	20,741	1,899	961	934	440
Tennessee-----	28,502	1,107	328	29,361	1,918	934	984	1,000
Virginia-----	29,387	2,039	577	30,869	3,943	2,302	1,641	1,899
West Virginia-----	16,138	606	368	16,576	1,761	667	1,114	329
West and Southwest-----	327,726	22,089	4,241	345,574	20,427	10,416	10,011	19,590
Alabama-----	1,743	180	32	1,861	361	226	135	126
Arizona-----	10,335	800	130	11,015	1,215	875	340	720
California-----	117,000	10,000	1,000	126,000	3,000	1,500	1,500	10,000
Colorado-----	15,373	1,099	551	15,917	1,609	988	621	405
Hawaii-----	5,101	346	64	5,383	350	149	201	253
Idaho-----	6,193	316	110	6,399	708	340	368	135
Montana-----	6,798	454	186	7,066	441	256	185	266
Nevada-----	2,522	296	91	2,727	278	173	105	256
New Mexico-----	8,240	473	116	8,597	846	440	406	325
Oklahoma-----	22,824	1,026	850	23,000	3,100	800	2,300	1,000
Oregon-----	16,316	755	258	16,813	729	312	417	500
Texas-----	79,288	3,752	360	82,680	4,395	2,445	5/1,950	3,868
Utah-----	8,141	500	122	8,519	928	614	314	541
Washington-----	24,376	1,855	332	25,899	2,285	1,258	1,027	1,015
Wyoming-----	3,506	241	49	3,698	182	40	142	180

Table 29.—Instruction rooms available, completed, abandoned, and needed in full-time public elementary and secondary day schools, by State: 1960-62 (Cont.)

Region and State	Available, beginning 1960-61 school year	Completed during 1960-61 school year	Abandoned during 1960-61 school year	Available, beginning 1961-62 school year	Additional instruction rooms needed (as of fall 1961)			Scheduled for completion during 1961-62 (not available for fall 1961 shortage)
					Total	To accommodate excess enrollment	To replace unsatisfactory facilities	
1	2	3	4	5	6	7	8	9
Outlying Parts:								
American Samoa-----	251	29	---	280	186	9	177	81
Canal Zone-----	412	44	14	442	8	8	---	28
Cuba-----	525	63	39	549	230	---	230	49
Puerto Rico-----	12,207	507	168	12,546	4,752	4,115	637	509
Virgin Islands-----	197	3	1	199	107	83	24	40

1/ Exclusive of need reported in column 7.

2/ 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.

3/ Data relate to number of teacher stations.

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

5/ Data for 1960-61 school year.

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

Source: U.S. Department of Health, Education, and Welfare, Office of Education, Circular No. 676, Fall 1961 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, 1929-30 to 1959-60

School year	Population 17 years of age ^{2/}	High school graduates ^{1/}			Number graduated per 100 persons 17 years of age
		Total	Boys	Girls	
1	2	3	4	5	6
1929-30----	2,295,822	666,904	300,376	366,528	29.0
1939-40----	2,403,074	1,221,475	578,718	642,757	50.8
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 ^{3/-}	2,862,000	1,860,000	900,000	960,000	65.0

^{1/} Includes graduates from public and nonpublic schools.

^{2/} U. S. 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 3L.—High school graduates of full-time public secondary day schools, by sex and by State: 1959-60

Region and State	High school graduates		
	Total	Male	Female
1	2	3	4
United States-----	1,627,050	791,426	835,624
North Atlantic-----	417,506	201,967	215,539
Connecticut-----	22,200	10,110	12,090
Delaware-----	3,490	1,641	1,849
Maine-----	8,304	4,093	4,211
Maryland-----	23,854	11,560	12,294
Massachusetts-----	47,599	24,256	23,343
New Hampshire-----	4,947	2,412	2,535
New Jersey-----	52,442	24,964	27,478
New York-----	134,471	64,072	70,399
Pennsylvania-----	107,175	52,815	54,360
Rhode Island-----	6,250	2,921	3,329
Vermont-----	3,175	1,594	1,581
District of Columbia-----	3,599	1,529	2,070
Great Lakes and Plains----	488,747	240,188	248,559
Illinois-----	82,922	40,210	42,712
Indiana-----	45,914	22,917	22,997
Iowa 1/-----	29,909	15,171	14,738
Kansas 2/-----	21,500	11,000	10,500
Michigan-----	74,424	36,159	38,265
Minnesota-----	38,996	19,053	19,943
Missouri-----	36,797	18,198	18,599
Nebraska-----	14,347	7,206	7,141
North Dakota 2/-----	7,328	3,459	3,869
Ohio-----	89,024	43,382	45,642
South Dakota-----	7,582	2/3,772	2/3,810
Wisconsin 3/-----	40,004	19,661	20,343
Southeast-----	344,820	163,372	181,448
Alabama-----	31,690	15,190	16,500
Arkansas-----	18,910	9,466	9,444
Florida-----	37,296	2/18,316	2/18,980
Georgia-----	34,127	15,606	18,521
Kentucky-----	24,911	11,960	12,951
Louisiana-----	26,238	12,330	13,908
Mississippi-----	19,473	9,449	10,024
North Carolina-----	45,271	21,094	24,177

Table 31.—High school graduates of full-time public secondary day schools, by sex and by State: 1959-60 (Cont.)

Region and State	High school graduates		
	Total	Male	Female
1	2	3	4
South Carolina-----	22,291	4/10,432	4/11,859
Tennessee-----	32,593	15,645	16,948
Virginia-----	30,262	13,513	16,749
West Virginia-----	21,758	10,371	11,387
West and Southwest-----	375,977	185,899	190,078
Arizona-----	10,406	4/5,213	4/5,193
California-----	148,871	74,001	74,870
Colorado-----	15,848	7,798	8,050
Idaho-----	8,179	4,133	4,046
Montana-----	6,974	3,538	3,436
Nevada-----	2,299	1,129	1,170
New Mexico-----	8,211	4,192	4,019
Oklahoma-----	26,478	4/12,047	4/14,431
Oregon-----	20,105	4/10,046	4/10,059
Texas-----	76,500	37,790	38,710
Utah-----	11,270	5,774	5,496
Washington-----	29,695	4/14,610	4/15,085
Wyoming-----	3,759	4/1,936	4/1,823
Alaska-----	1,095	550	545
Hawaii-----	6,287	3,142	3,145
Outlying Parts:			
American Samoa-----	52	35	17
Canal Zone-----	536	277	259
Guam-----	380	194	186
Puerto Rico-----	12,057	5,368	6,689
Virgin Islands-----	115	66	49

1/ The figure for high school graduates includes persons granted high school equivalency certificates.

2/ Estimated by State.

3/ Excludes graduates of vocational schools not operated as part of the regular public school system.

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

Region and State	Total revenue receipts		Percentage distribution by source				
	Amount 1/	Percent	Federal	State	Inter-mediate (county, etc.)	Local	Other revenue sources
1	2	3	4	5	6	7	8
United States-----	14,746,618	100.0	4.4	39.1	2.6	53.4	.5
North Atlantic-----	4,124,044	100.0	3.2	35.2	2/	60.9	.1
Connecticut-----	228,117	100.0	3.1	54.6	0.0	62.1	.1
Delaware-----	51,750	100.0	2.1	60.5	0.0	15.3	2/
Maine-----	60,717	100.0	5.9	25.8	0.0	68.1	.1
Maryland-----	251,535	100.0	7.0	34.2	0.0	58.2	.5
Massachusetts-----	318,194	100.0	5.3	19.9	0.0	74.7	.1
New Hampshire-----	37,595	100.0	5.9	6.3	0.0	87.5	.3
New Jersey-----	536,975	100.0	2.5	23.7	.1	73.7	0.0
New York-----	1,652,179	100.0	1.9	39.5	0.0	58.5	.1
Pennsylvania-----	649,585	100.0	3.0	45.0	.1	51.2	0.0
Rhode Island-----	49,468	100.0	6.5	23.2	0.0	70.3	0.0
Vermont-----	27,594	100.0	3.5	24.7	2/	70.8	1.0
District of Columbia-----	54,307	100.0	14.4	0.0	0.0	85.0	0.0
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-----	208,352	100.0	4.1	12.0	1.3	82.1	.5
Kansas-----	202,247	100.0	5.2	19.2	16.6	59.0	0.0
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	0.0
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	0.0	18.1	3/9.1
Arkansas-----	96,290	100.0	8.9	45.9	0.0	45.1	.1
Florida-----	345,244	100.0	5.2	56.5	0.0	37.8	.5
Georgia-----	240,659	100.0	7.4	64.0	0.0	28.2	.4
Kentucky-----	150,818	100.0	7.1	45.8	0.0	46.6	.6
Louisiana-----	274,559	100.0	4.2	70.2	0.0	25.5	2/

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

Region and State	Total revenue receipts		Percentage distribution by source				
	Amount	Percent	Federal	State	Inter-mediate (County, etc.)	Local	Other revenue sources
1	2	3	4	5	6	7	8
Southeast (Cont.)							
Mississippi-----	137,326	100.0	7.0	56.5	1.7	34.3	.5
North Carolina-----	278,901	100.0	6.0	66.7	0.0	25.9	1.5
South Carolina-----	143,976	100.0	7.7	66.6	0.0	25.7	0.0
Tennessee-----	188,333	100.0	6.9	58.0	25.0	9.7	.4
Virginia-----	241,688	100.0	11.0	37.0	0.0	51.7	.3
West Virginia-----	123,561	100.0	4.9	52.9	0.0	42.0	.2
West & 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	0.0
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/} .4
Montana-----	68,342	100.0	8.0	23.6	22.0	46.3	0.0
Nevada-----	29,823	100.0	8.6	51.3	0.0	40.1	0.0
New Mexico-----	92,519	100.0	14.0	74.4	7.6	4.0	0.0
Oklahoma-----	184,539	100.0	8.5	27.7	20.5	43.2	^{2/}
Oregon-----	180,928	100.0	4.1	29.3	25.5	41.1	^{2/}
Texas-----	726,478	100.0	5.2	49.9	.3	43.0	1.6
Utah-----	93,118	100.0	5.4	44.1	0.0	50.4	.1
Washington-----	300,313	100.0	4.9	61.6	3.7	29.8	0.0
Wyoming-----	35,622	100.0	4.7	47.5	4.4	42.1	1.2
Alaska-----	25,261	100.0	28.2	50.8	0.0	20.9	.1
Hawaii-----	50,412	100.0	16.1	66.0	0.0	17.9	0.0
Outlying Parts:							
American Samoa-----	^{5/} 377	100.0	97.3	0.0	0.0	0.0	2.7
Canal Zone-----	8,924	100.0	100.0	0.0	0.0	0.0	0.0
Guam-----	3,868	100.0	4.8	0.0	0.0	95.2	0.0
Puerto Rico-----	74,653	100.0	15.4	0.0	0.0	83.7	.9
Virgin Islands-----	2,237	100.0	14.8	0.0	0.0	85.2	0.0

^{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 33.—Public elementary and secondary school revenue receipts from Federal, State, intermediate, and local sources: United States, 1949-50 to 1959-60

School year	Total	Federal	State	Inter-mediate	Local ^{1/}
1	2	3	4	5	6
AMOUNTS IN THOUSANDS OF DOLLARS					
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	3,330,695
1953-54----	7,866,852	355,237	2,944,103	^{2/} 240,733	^{2/} 4,326,779
1955-56----	9,686,677	441,442	3,828,886	^{2/} 209,377	^{2/} 5,206,973
1957-58----	12,181,513	486,484	^{3/} 4,800,368	^{2/} 3/275,463	^{2/} 6,619,198
1959-60----	14,746,618	651,639	5,768,047	^{2/} 382,870	^{2/} 7,944,062
PERCENT DISTRIBUTION					
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	^{2/} 3.1	^{2/} 55.0
1955-56----	100.0	4.6	39.5	^{2/} 2.2	^{2/} 53.7
1957-58----	100.0	4.0	^{3/} 39.4	^{2/} 3/2.3	^{2/} 54.3
1959-60----	100.0	4.4	39.1	^{2/} 2.6	^{2/} 53.9

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

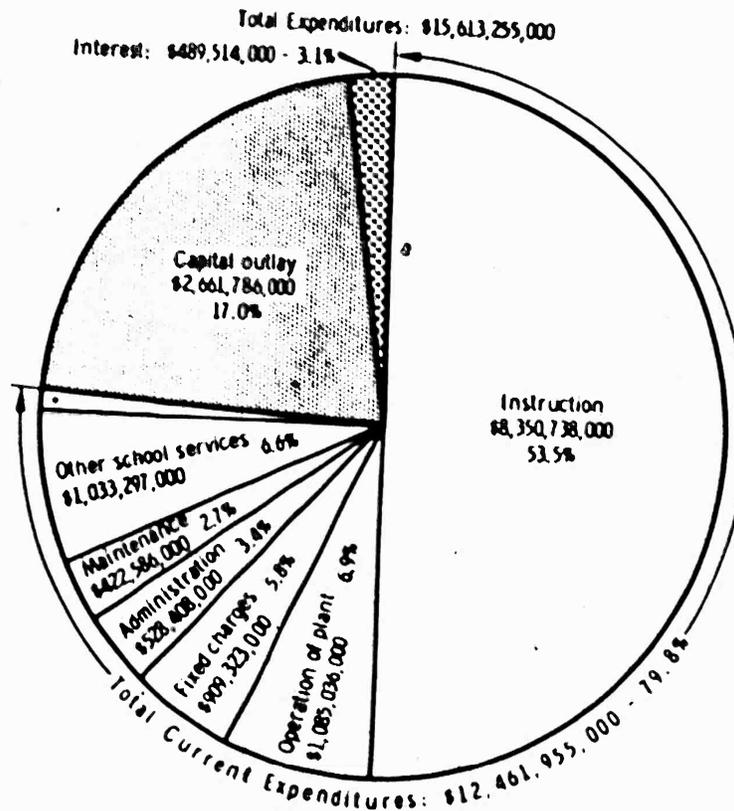
^{2/} Data not directly comparable with those before 1953-54 because of a reclassification of items comprising "intermediate" and "local."

^{3/} Revised since originally published.

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.

Figure 3.—Summary of expenditures for public elementary and secondary schools: United States, 1959-60.



*Other current expenditures: \$132,567,000 - 0.8%

Note: Data are for 50 States and the District of Columbia. 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*.

Of the total expenditures for public elementary and secondary schools in 1959-60, more than one-sixth was for capital outlay and roughly four-fifths for current expenditures. Instruction—including teachers' salaries, textbooks, library books, and supplies—amounted to approximately two-thirds of the current expenditures.

Table 3A. Summary of expenditures for public elementary and secondary education, by purpose: United States, 1949-50 to 1959-60

Account	AMOUNTS IN THOUSANDS OF DOLLARS						
	1949-50	1951-52	1953-54	1955-56	1957-58	1959-60	
1	2	3	4	5	6	7	
Total expenditures, all schools-----	5,837,643	7,344,237	9,092,449	10,955,047	13,569,163	15,613,255	
Total current expenditures, all schools-----	4,722,888	5,752,595	6,883,387	8,352,162	10,376,494	12,463,955	
Total current expenditures for public elementary and secondary day schools 1/-----	4,687,274	5,722,162	6,790,923	8,251,420	10,251,843	12,329,389	
Administration 2/-----	220,050	265,636	310,995	372,956	443,325	528,408	
Instruction-----	3,112,340	3,780,837	4,552,349	5,501,921	6,900,899	8,350,738	
Plant operation-----	427,587	508,575	622,671	752,739	924,342	1,085,036	
Plant maintenance-----	214,164	248,674	284,871	319,560	378,127	422,586	
Fixed charges-----	261,469	341,601	446,252	530,393	715,033	909,323	
Other school services 3/-----	451,663	575,839	573,785	772,851	890,118	1,033,297	
Current expenditures for summer schools-----	1/35,614	1/30,432	1,690	2,853	4,554	13,263	
Current expenditures for adult education-----	1/35,614	1/30,432	42,033	30,554	36,749	26,858	
Current expenditures for community colleges-----	1/35,614	1/30,432	23,263	31,468	40,492	34,492	
Current expenditures for community services-----	1/35,614	1/30,432	25,378	35,868	40,855	57,953	
Capital outlay-----	1,014,176	1,477,332	2,055,178	2,387,187	2,852,747	2,661,786	
Interest on school debt-----	100,578	114,310	153,884	215,699	341,922	489,514	
PERCENT DISTRIBUTION							
Total expenditures, all schools-----	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Total current expenditures, all schools-----	80.9	78.3	75.7	76.2	76.5	79.8	
Total current expenditures for public elementary and secondary day schools 1/-----	80.3	77.9	74.7	75.3	75.6	79.0	
Administration 2/-----	3.8	3.6	3.4	3.4	3.3	3.4	
Instruction-----	53.3	51.5	50.1	50.2	50.9	53.5	
Plant operation-----	7.3	6.9	6.8	6.9	6.8	6.9	
Plant maintenance-----	3.7	3.4	3.1	2.9	2.8	2.7	
Fixed charges-----	4.5	4.7	4.9	4.9	5.3	5.8	
Other school services 3/-----	7.7	7.8	6.3	7.1	6.6	6.6	



Current expenditures for summer schools-----	4/	6/	6/	6/	6/	6/	6/	6/
Current expenditures for adult education-----	4/	4/	4/	4/	4/	4/	4/	4/
Current expenditures for community colleges-----	4/	4/	4/	4/	4/	4/	4/	4/
Current expenditures for community services-----	4/	4/	4/	4/	4/	4/	4/	4/
Capital outlay-----	17.4	20.1	22.6	21.8	21.0	21.0	21.0	17.0
Interest on school debt-----	1.7	1.6	1.7	2.0	2.5	2.5	2.5	3.1

- 1/ Includes expenditures for summer schools and adult and community college programs of education in California.
- 2/ Includes expenditures for State, intermediate, and local administration.
- 3/ Before 1953-54, items included under "other school services" were listed under "auxiliary services," a more comprehensive classification which also included community services.
- 4/ Before 1953-54, data shown for adult education represent combined expenditures for adult education, summer schools, and community colleges.
- 5/ Excludes capital outlay by nonschool agencies.
- 6/ 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.

Table 35.—Summary of expenditures for public elementary and secondary schools, by purpose and by 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/	In- struc- tion 4	Oper- ation of plant 5	Main- tenance of plant 6	Fixed charges 7	Other school ser- vices 2/	Other pro- grams 3/	8	9	10		
1	2	3	4	5	6	7	8	9	10	11			
United States-----	15,613,255	528,408	8,350,738	1,085,036	422,986	909,323	1,033,297	132,566	4/2,661,786	489,514			
North Atlantic-----	4,316,471	143,039	2,320,067	314,368	111,990	351,365	291,037	39,517	594,676	150,814			
Connecticut-----	231,407	5,865	131,469	17,140	4,823	13,010	13,028	1,301	36,594	8,177			
Delaware-----	55,667	2,061	22,924	3,465	755	1,298	2,921	38	20,982	1,221			
Maine-----	59,674	2,000	33,888	5,323	1,767	2,949	5,539	136	7,129	945			
Maryland-----	286,590	5,596	145,385	16,384	8,221	16,851	17,169	3,180	63,293	10,472			
Massachusetts-----	368,907	10,710	228,327	31,721	10,252	11,357	32,041	2,187	42,311	5/			
New Hampshire-----	41,114	1,647	21,465	3,052	715	2,470	3,836	46	6,990	893			
New Jersey-----	599,007	18,415	303,240	41,468	17,144	45,443	33,703	3,499	116,780	19,314			
New York-----	1,742,717	50,453	892,684	114,581	38,010	171,884	116,094	21,921	271,272	65,818			
Pennsylvania-----	797,498	42,281	460,751	69,074	25,023	76,128	59,228	5,675	18,075	41,262			
Rhode Island-----	53,035	1,797	33,764	4,759	1,656	3,284	3,426	162	2,157	2,031			
Vermont-----	28,144	1,315	15,758	2,389	804	1,712	2,154	55	3,276	681			
District of Columbia-----	82,792	899	30,412	5,011	2,420	4,978	1,897	1,317	5,818	-----			
Great Lakes and Florida-----	4,516,511	150,881	2,378,733	364,826	123,314	222,467	277,089	37,446	825,192	136,563			
Illinois-----	846,734	32,161	465,426	63,226	21,786	39,079	42,172	2,119	147,856	32,910			
Indiana-----	393,626	7,776	219,996	30,849	10,880	18,817	29,815	2,151	67,574	5,829			
Iowa-----	235,678	12,064	128,639	20,332	6,592	10,244	19,897	1,687	30,793	5,430			
Kansas-----	216,003	5,445	108,718	15,578	5,588	5,718	12,298	6,090	54,327	2,301			
Michigan-----	811,975	24,326	402,404	70,323	19,283	46,712	42,000	12,025	169,273	25,559			
Minnesota-----	352,448	11,795	173,917	30,457	6,923	16,369	28,316	4,260	67,180	13,632			



Missouri	300,749	11,014	162,244	22,981	9,235	13,288	23,435	2,527	47,568	8,206
Nebraska	112,836	4,629	60,251	8,454	3,486	5,121	5,681	2,954	21,449	2,713
North Dakota	59,694	2,076	30,343	4,872	1,198	2,199	5,566	75	12,206	1,198
Ohio	799,953	25,134	424,614	66,256	25,847	52,055	39,027	4,199	134,857	27,955
South Dakota	53,855	2,174	32,342	4,720	1,985	2,453	3,659	47	5,142	768
Wisconsin 6/	332,960	11,400	169,898	26,780	10,972	10,412	25,223	1,304	66,968	10,062
Southeast	2,926,593	67,235	1,417,687	127,021	66,598	126,950	242,847	20,828	392,962	64,462
Alabama	191,165	3,460	121,351	7,065	3,815	13,090	22,349	300	18,454	1,280
Arkansas	100,548	4,928	53,215	5,782	2,169	2,784	12,017	247	13,943	2,462
Florida	367,207	7,649	211,179	19,051	9,849	8,969	19,810	4,607	77,432	8,662
Georgia	236,764	6,719	143,618	12,791	5,830	14,928	24,210	2,643	4/20,042	5,983
Kentucky	148,236	5,275	87,009	9,250	3,701	7,528	19,265	2,993	5/3,882	11,293
Louisiana	298,618	8,092	141,306	11,413	7,294	21,177	41,120	2,773	53,908	11,534
Mississippi	148,791	3,855	66,879	5,780	3,528	5,057	14,921	4,113	41,872	2,785
North Carolina	294,744	6,496	173,763	12,320	8,540	14,931	22,008	1,128	47,737	7,820
South Carolina	136,686	4,260	77,184	7,712	4,909	9,068	13,806	1,029	14,445	4,275
Tennessee	214,499	5,915	121,205	11,737	4,106	10,805	21,384	562	37,229	1,515
Virginia	266,942	7,216	149,607	15,532	7,571	7,132	20,340	1,756	52,731	5,056
West Virginia	122,434	3,372	71,370	8,549	5,287	8,480	11,615	676	11,286	1,799
West and Southwest	4,253,681	167,253	2,234,250	276,821	121,084	208,542	222,325	34,776	848,956	137,675
Alaska	24,195	1,487	13,370	2,671	567	898	1,649	30	2,904	620
Arizona	139,697	4,751	75,459	9,301	4,256	2,705	7,981	---	32,024	3,619
California	2,021,625	81,450	1,013,275	134,305	57,897	105,930	89,051	19,809	451,170	68,738
Colorado	189,508	6,055	92,371	12,070	4,769	10,923	10,572	2,912	44,033	5,802
Hawaii	48,766	1,497	30,650	2,870	2,222	2,293	2,967	1,261	3,758	1,249
Idaho	52,927	1,807	29,810	4,313	1,329	797	4,703	---	8,498	1,309
Montana	64,021	3,518	34,681	5,658	2,140	2,702	5,381	185	7,501	2,256
Nevada	32,641	854	17,057	2,283	949	1,145	1,482	137	7,316	1,418
New Mexico	88,902	3,563	50,938	5,562	585	4,983	7,764	315	14,129	1,063
Oregon	185,751	7,711	105,096	12,009	5,234	7,625	13,507	436	31,066	3,069
Texas	185,229	7,276	104,988	14,742	6,001	9,534	12,150	---	26,996	3,542
Texas	757,092	33,687	432,464	41,181	18,620	31,060	42,565	2,634	117,287	91,594
Utah	97,490	2,384	49,391	5,848	3,320	4,308	4,503	781	25,169	1,785
Washington	319,393	9,356	163,563	23,282	11,888	15,747	15,232	6,277	63,343	10,705
Wyoming	46,844	1,856	21,137	2,725	1,310	1,931	3,217	---	13,761	---

Table 35.--Summary of expenditures for public elementary and secondary schools, by purpose and by State: 1959-60 (Cont.)
 [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/	In- struc- tion 4/	Oper- ation of plant 5	Main- tenance of plant 6	Fixed charges 7	Other school ser- vices 2/	Other pro- grams 3/					
1	2	3	4	5	6	7	8	9	10	11			
Outlying parts:													
American Samoa-----	1/ 308	48	258	1									
Canal Zone-----	8,924	163	2,731	285	185	226	111	261	4,961				
Guam-----	4,675	107	2,591	245	68		9	160	1,495				
Puerto Rico-----	63,421	2,042	36,939	3,224	561	3,613	7,996	4,508	4,539				
Virgin Islands-----	2,021	164	1,043	63	58	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 \$161 million.

5/ States reporting such expenditures were: Georgia--\$1,473,000; Indiana--\$26,000,000; Kentucky--\$13,109,000; and Pennsylvania--\$120,900,000.

6/ Data not available.

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

8/ 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, 1959-60.

Table 36.—Expenditures of Federal, State, and local funds for vocational education: United States and outlying parts, 1949-50 to 1960-61

[In thousands of dollars]

School year	Total	Federal	State	Local
1	2	3	4	5
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-----	145,951	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 <u>1</u> ---	254,074	48,010	89,155	116,909

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.

Table 37. -- Personal income, 1959, related to total expenditures for public elementary and secondary education, by State: 1959-60

Region and State	Personal income			Expenditures for public elementary and secondary education		As a percent of personal income
	Total (in millions)	Per capita	Per child of school age (5-17)	Total (in thousands)		
1	2	3	4	5	6	
United States-----	\$382,583	\$2,160	\$8,719	\$15,613,255	4.08	
North Atlantic-----	120,552	2,488	10,884	4,316,471	3.58	
Connecticut-----	6,939	2,781	11,918	231,407	3.33	
Delaware-----	1,285	2,927	11,939	55,667	4.33	
Maine-----	1,724	1,800	7,172	59,674	3.46	
Maryland-----	7,096	2,326	9,221	286,550	4.04	
Massachusetts-----	12,387	2,437	10,675	368,907	2.98	
New Hampshire-----	1,192	1,980	8,261	41,114	3.45	
New Jersey-----	15,441	2,591	11,288	599,007	3.88	
New York-----	45,016	2,709	12,349	1,742,717	3.87	
Pennsylvania-----	24,728	2,201	9,413	797,498	3.22	
Rhode Island-----	1,850	2,166	9,657	53,035	2.87	
Vermont-----	694	1,798	7,051	28,144	4.06	
District of Columbia-----	2,200	2,868	15,243	52,752	2.40	
Great Lakes and Plains-----	113,437	2,218	9,029	4,516,511	3.98	
Illinois-----	25,643	2,571	11,107	846,734	3.30	
Indiana-----	9,700	2,101	8,388	393,626	4.06	
Iowa-----	5,409	1,970	7,954	235,678	4.36	
Kansas-----	4,302	1,990	8,188	216,003	5.02	
Michigan-----	17,469	2,253	8,780	811,975	4.65	
Minnesota-----	6,658	1,971	7,676	352,448	5.29	
Missouri-----	9,250	2,158	9,312	300,749	3.25	
Nebraska-----	2,757	1,966	8,116	112,836	4.09	
North Dakota-----	976	1,557	5,671	59,694	6.12	
Ohio-----	21,947	2,283	9,266	799,953	3.64	
South Dakota-----	1,020	1,502	5,697	53,855	5.28	
Wisconsin-----	8,306	2,122	8,444	332,960	4.01	

	\$29,992	\$1,566	\$2,841	\$2,526,593	4.21
Southwest					
Alabama	4,602	1,420	5,116	191,165	4.15
Arkansas	2,360	1,327	4,975	100,548	4.26
Florida	9,398	1,962	8,243	367,207	3.91
Georgia	6,075	1,557	5,724	236,764	3.90
Kentucky	4,564	1,514	5,722	148,236	3.25
Louisiana	5,145	1,605	5,764	298,618	5.80
Mississippi	2,493	1,153	3,981	148,791	5.97
North Carolina	6,752	1,500	5,410	294,744	4.37
South Carolina	3,177	1,333	4,526	136,686	4.33
Tennessee	5,348	1,508	5,809	214,459	4.01
Virginia	7,041	1,792	6,996	266,942	3.79
West Virginia	3,060	1,635	6,047	122,434	4.00
West and Southwest	88,599	2,260	8,886	4,253,681	4.80
Other States					
Arizona	2,398	1,912	6,842	139,697	5.83
California	40,915	2,668	11,047	2,021,625	4.94
Colorado	3,776	2,186	8,581	189,508	5.02
Idaho	1,186	1,802	6,386	52,527	4.43
Montana	1,319	1,978	7,439	64,021	4.85
Nevada	757	2,713	11,388	32,641	4.31
New Mexico	1,689	1,820	6,186	88,902	5.26
Oklahoma	4,117	1,789	7,193	185,751	4.51
Oregon	3,865	2,201	8,682	185,229	4.79
Texas	18,033	1,908	7,281	757,092	4.20
Utah	1,621	1,848	6,335	97,490	6.01
Washington	6,350	2,249	8,923	319,393	5.03
Wyoming	728	2,240	8,373	46,844	6.43
Alaska	555	2,546	10,146	24,195	4.36
Hawaii	1,290	2,118	7,590	48,766	3.78

1/ Includes current expenditures, capital outlay, and interest.

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

Sources: U. S. Department of Health, Education, and Welfare, Office of Education, Statistics of State School Systems, 1959-60; and U. S. Department of Commerce, Office of Business Economics, Survey of Current Business, August 1961.

Table 38.—Average annual expenditure per pupil in average daily attendance in public school systems, by State: 1959-60

Region and State	Expenditure per pupil			
	Total	Current ^{1/}	Capital outlay ^{2/}	Interest
1	2	3	4	5
UNITED STATES-----	\$472.17	\$375.14	\$81.96	\$15.07
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-----	631.97	487.54	123.93	20.50
New York-----	698.40	561.59	110.10	26.71
Pennsylvania-----	442.60	409.44	10.10	23.06
Rhode Island-----	448.93	413.38	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	498.48	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	123.19	5.22
Michigan-----	548.77	415.10	116.13	17.54
Minnesota-----	554.03	425.21	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	5.56
Wisconsin-----	537.99	413.04	108.63	16.32

Table 3B—Average annual expenditure per pupil in average daily attendance in public school systems, by State: 1959-60 (Cont.)

Region and State	Expenditure per pupil			
	Total	Current ^{1/}	Capital outlay ^{2/}	Interest
1	2	3	4	5
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-----	477.59	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-----	289.56	258.44	26.84	4.28
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-----	540.50	396.14	127.55	16.81
Idaho-----	356.21	289.70	57.63	8.88
Montana-----	484.89	410.78	56.98	17.13
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	28.70	9.53
OUTLYING PARTS:				
Canal Zone-----	849.30	362.91	486.39	---
Guam-----	353.37	236.39	116.98	---
Puerto Rico-----	115.08	106.21	8.87	---
Virgin Islands-----	284.56	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.

Chapter III

Higher Education in the United States

Universities and colleges exist in every State in the Union and in all the larger and more populous of its outlying parts. About one-third of the entire group of approximately two thousand 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 enjoy the widest range imaginable in type of instruction offered. A typical junior college offers only the first two years of training at the college level; but 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 possibilities of curricular organization, according to local needs or ambition.

The number, the character, and even the location of institutions varies 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 higher education situation at the most recent time of assembling the data carried in the several tables. 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 39 --Number of institutions of higher education, by highest level of offering and State: United States and outlying parts, 1961-62

State or outlying part	Total	Highest level of offering 1/				
		I	II	III	IV	V
Total-----	2,040	593	741	455	219	32
Alabama-----	26	5	9	9	2	1
Alaska-----	1	---	---	---	1	---
Arizona-----	7	2	1	2	2	---
Arkansas-----	19	2	10	5	1	1
California-----	161	68	32	47	11	3
Colorado-----	22	7	4	5	6	---
Connecticut-----	33	7	10	13	3	---
Delaware-----	4	2	1	---	1	---
District of Columbia-----	22	7	3	3	6	3
Florida-----	44	29	9	3	3	---
Georgia-----	45	14	19	9	3	---
Hawaii-----	4	1	2	---	1	---
Idaho-----	8	4	1	2	1	---
Illinois-----	109	27	36	35	9	2
Indiana-----	41	2	23	8	5	3
Iowa-----	51	21	25	3	2	---
Kansas-----	45	19	17	6	3	---
Kentucky-----	37	11	13	10	3	---
Louisiana-----	21	1	8	9	3	---
Maine-----	22	6	13	---	1	2
Maryland-----	41	13	13	9	5	1
Massachusetts-----	89	21	24	26	15	3
Michigan-----	63	20	25	14	3	1
Minnesota-----	42	11	17	12	1	1
Mississippi-----	45	27	13	1	3	1
Missouri-----	60	16	29	10	5	---
Montana-----	11	2	4	3	2	---
Nebraska-----	23	6	11	5	1	---
Nevada-----	1	---	---	---	1	---
New Hampshire-----	11	2	3	4	1	1
New Jersey-----	38	9	13	9	6	1
New Mexico-----	9	1	2	2	4	---
New York-----	171	47	49	46	28	1
North Carolina-----	58	21	25	6	6	---
North Dakota-----	13	5	6	---	2	---

Table 39 .--Number of institutions of higher education, by highest level of offering and State: United States and outlying parts, 1961-62 (Cont.)

State or outlying part	Total	Highest level of offering ^{1/}				
		I	II	III	IV	V
Ohio-----	71	3	42	18	8	---
Oklahoma-----	34	16	7	7	3	1
Oregon-----	23	4	8	8	3	---
Pennsylvania-----	127	16	64	29	16	2
Rhode Island-----	12	2	4	3	2	1
South Carolina-----	30	5	16	5	4	---
South Dakota-----	16	3	8	3	2	---
Tennessee-----	46	6	26	10	3	1
Texas-----	95	36	23	23	12	1
Utah-----	8	4	1	---	3	---
Vermont-----	16	4	8	2	2	---
Virginia-----	46	13	17	11	4	1
Washington-----	27	10	4	11	2	---
West Virginia-----	20	3	15	1	1	---
Wisconsin-----	59	24	25	7	3	---
Wyoming-----	6	5	---	---	1	---
Outlying parts:						
Canal Zone-----	1	1	---	---	---	---
Guam-----	1	1	---	---	---	---
Puerto Rico-----	5	1	3	1	---	---

^{1/} See Table 40 for explanation of level of offering.

SOURCE: U. S. Department of Health, Education, and Welfare, Office of Education, Education Directory, 1961-62, Part 3, Higher Education.

Table 40 --Number of institutions of higher education, by control and highest level of offering: United States and outlying parts, 1961-62

Highest level of offering	Total	Public				Private			
		State	District or city	Independent of church	Denominational	Protestant	Roman Catholic	Other	
Total-----	2,040	1/393	328	512	308	475	24		
I--2 to 4 years beyond 12th grade-----	593	38	308	115	45	84	3		
II--Bachelor's and/or first professional degree-----	741	94	4	183	181	271	8		
III--Master's and/or second professional degree-----	455	162	9	124	65	92	3		
IV--Doctor of philosophy or equivalent degree-----	219	93	6	71	16	23	10		
V--Other-----	32	6	1	19	1	5	--		

1/ Includes 12 under Federal control.

SOURCE: U. S. Department of Health, Education, and Welfare, Office of Education, Education Directory, 1961-62, Part 3, Higher Education

Table A1 - Number of institutions of higher education, by size of degree-credit student body, level, and type of institution: United States and outlying parts, fall 1960

Level and 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	
1	2	3	4	5	6	7	8	9	
NUMBER OF INSTITUTIONS									
All institutions	1,975	351	476	422	393	158	101	74	
4-year institutions	1,451	181	307	337	334	131	90	71	
Junior colleges	524	170	169	85	59	27	11	3	
4-year institutions:	143	0	0	0	2	25	56	60	
Universities	764	36	184	259	228	47	19	11	
Liberal arts colleges	198	12	23	33	76	46	8	0	
Independently organized professional schools	50	2	9	8	16	8	7	0	
Teachers colleges	176	93	69	12	2	0	0	0	
Technical schools	45	20	16	7	2	0	0	0	
Theological, religious	75	18	26	18	8	5	0	0	
Schools of art									
Other professional									

SOURCE: U. S. Department of Health, Education, and Welfare, Office of Education, Circular No. 692, Opening (Fall) Enrollment in Higher Education, 1960: Analytic Report.

Table 42.—Faculty and other professional staff, in institutions of higher education, by type of position: United States and outlying parts, first term 1959-60 and 1957-58

Type of position	Number of positions	
	1959-60	1957-58
Total number of positions ^{1/} -----	431,720	393,382
Professional staff for general administration	19,063	16,035
Professional staff for student personnel services-----	15,299	12,863
Faculty for resident instruction in degree-credit courses-----	283,080	260,486
Instructor or above-----	244,461	226,536
Full-time-----	163,656	154,602
Part-time-----	80,805	71,934
Full-time equivalent of part-time ^{2/} -----	25,600	23,000
Junior instructional staff-----	38,619	33,950
Faculty for resident instruction in other than degree-credit courses-----	14,135	12,096
Extension staff-----	31,439	31,378
Giving courses-----	15,348	15,547
Other extension staff-----	16,091	15,831
Other faculty, including instructional staff for courses by mail, radio or TV, short courses and individual lessons-----	11,877	9,602
Professional library staff-----	9,939	9,099
Professional staff for organized research-----	37,099	32,531
Instructional staff for elementary or secondary instruction-----	9,789	9,292

^{1/} The sum of the numbers 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 43.--Faculty and other professional staff: number of different persons by sex, control, and level, in institutions of higher education: United States and outlying parts, first term 1959-60 and 1957-58

Item	Number of different persons	
	1959-60	1957-58
Total number of different persons-----	382,664	348,509
By sex:		
Men-----	297,974	270,013
Women-----	84,690	78,496
By control of institution:		
Public-----	209,643	189,834
Private-----	173,021	158,675
By level of institution:		
4-year institutions-----	347,872	318,515
Junior colleges-----	34,792	29,994

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 44 .—Total degree-credit enrollment, by institutional control and sex in institutions of higher education: United States and outlying parts, fall 1949 through fall 1961

Year	Institutional control				
	Public and private			Public	Private
	Both sexes	Men	Women	Both sexes	Both sexes
	1	2	3	4	5
	ALL INSTITUTIONS				
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	1,095,659
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-----	3,891,000	2,424,000	1,467,000	2,352,000	1,540,000

SOURCE: U. S. Department of Health, Education, and Welfare, Office of Education, Circular No. 652, Opening (Fall) Enrollment in Higher Education, 1960: Analytic Report, and Higher Education, Volume XVIII, No. 4.

Table 45 .--Enrollment by sex, type, and level in institutions of higher education: United States and outlying parts, first term, 1959-60

Item	Enrollment		
	Total	Men	Women
<u>Total degree-credit enrollment</u> -----	3,575,227	2,261,172	1,314,055
Resident and extension degree-credit (excluding courses by mail, radio, and TV)-----	3,470,768	2,208,575	1,262,193
Resident degree-credit-----	3,236,197	2,091,334	1,144,863
Undergraduate and first-professional students-----	2,893,597	1,846,495	1,047,102
Full-time-----	2,211,812	1,421,373	790,439
Part-time-----	681,785	425,122	256,663
Graduate students and students beyond the first-professional degree-----	342,600	244,839	97,761
Full-time-----	129,937	102,194	27,743
Part-time-----	212,663	142,645	70,018
Extension degree-credit-----	234,571	117,241	117,330
Degree-credit courses by mail----	100,542	51,025	49,517
Degree-credit courses by TV or radio-----	3,917	1,572	2,345
<u>Other enrollments</u>			
Terminal-occupational education--	194,683	137,005	57,678
Adult education-----	277,462	141,770	135,692
Nondegree-credit courses by mail-----	66,336	44,492	21,844
Short courses-----	155,769	104,967	50,802
Individual lessons only-----	29,406	10,427	18,979

* SOURCE: U. S. Department of Health, Education, and Welfare, Office of Education, Circular No. OE-54025, Total Enrollment in Institutions of Higher Education, First Term, 1959-60.

Table 46.--Other (nondegree-credit) enrollment, by sex of student, type of enrollment, control, and level of institution, in institutions of higher education: United States and outlying parts, first term, 1959-60

Item	Total	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--	66,336	44,492	21,844
Short courses-----	155,769	104,967	50,802
Individual lessons only-----	29,406	10,427	18,979
By 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-----	25,760	9,192	16,568
By 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	581	1,398

Source: U. S. Department of Health, Education, and Welfare, Office of Education, Circular No. OE-64025, Total Enrollment in Institutions of Higher Education, First Term, 1959-60.

Table 47.—Total degree-credit enrollment, by sex, level, type, and control, in institutions of higher education, United States and outlying parts, fall 1960 and fall 1955

Level and type of institution and institutional control	Number of students, 1960			Number of students, 1955		
	Both sexes	Men	Women	Both sexes	Men	Women
	2	3	4	5	6	7
1						
Total, Public and Private						
All institutions	3,610,007	2,270,640	1,339,367	2,678,623	1,747,429	931,194
4-year institutions	3,156,390	1,987,348	1,169,042	2,369,647	1,590,474	819,173
Junior colleges	453,617	283,292	170,325	308,976	196,955	112,021
4-year institutions:						
Universities	1,550,902	1,071,688	479,214	1,241,101	889,360	351,741
Liberal arts colleges	1,027,567	560,050	467,517	708,546	392,990	315,556
Independently organized professional schools:						
Teachers colleges	399,227	171,021	188,206	244,888	115,413	129,475
Technological schools	106,978	99,479	7,499	83,425	78,428	4,997
Theological, religious	41,817	32,723	9,094	34,407	28,016	6,391
Schools of art	15,166	8,241	6,925	12,962	7,654	5,308
Other professional	24,733	44,146	10,587	44,318	38,643	5,705
Public						
All institutions	2,135,690	1,326,545	809,145	1,498,510	964,134	534,376
Private						
All institutions	1,474,317	944,095	530,222	1,180,113	783,295	396,818

Source: U.S. Department of Health, Education, and Welfare, Office of Education, Circular No. 692, Opening (Fall) Enrollment in Higher Education, 1960: Analytic Report.

Table 48.--Total degree-credit enrollment in institutions of higher education in relation to population aged 18-21: United States, fall 1946 to fall 1961

Year	Estimated population aged 18-21 as of July 1 1/ (in thousands)	Total degree-credit enrollment in fall	Ratio: number of degree-credit students to 100 of population 18-21
1	2	3	4
1946-----	9,403	2/2,078,095	22.1
1947-----	9,276	2,338,226	25.2
1948-----	9,144	2,403,396	26.3
1949-----	8,990	2,444,900	27.2
1950-----	8,948	2,281,298	25.5
1951-----	8,763	2,101,962	24.0
1952-----	8,576	2,134,242	24.9
1953-----	8,487	2,231,054	26.3
1954-----	8,494	3/2,446,693	28.8
1955-----	8,577	3/2,653,034	30.9
1956-----	8,780	2,918,212	33.2
1957-----	8,935	3,036,938	34.0
1958-----	9,063	3,226,038	35.6
1959-----	9,293	3,364,861	36.2
1960-----	9,605	3,570,018	37.2
1961-----	10,231	3,861,000	37.7

1/ Includes persons in Armed Forces overseas. The population data in this table were compiled from data supplied by the Bureau of the Census.

2/ Estimated.

3/ Data adjusted to fit 1956 reclassification of institutions by type.

NOTE.--Students taking degree-credit courses in extension were excluded from the opening (fall) enrollment surveys prior to 1953. Data for 1961 are for 50 States and D.C.; data for earlier years are for 48 States and D.C.

SOURCE: U.S. Department of Health, Education, and Welfare. Office of Education, Circular No. 652, Opening (Fall) Enrollment in Higher Education, 1960: Analytic Report, and unpublished data.

Table 49.—First-time degree-credit enrollment, by control and sex, in institutions of higher education: United States and outlying parts, fall 1949 through fall 1961

Year	Total	Sex		Institutional control	
		Men	Women	Public	Private
1	2	3	4	5	6
1949-----	557,856	357,265	200,591	301,541	256,315
1950-----	516,836	319,733	197,103	286,131	230,705
1951-----	472,025	280,277	191,748	263,430	208,595
1952-----	536,879	323,673	213,206	308,494	228,385
1953-----	571,533	344,844	226,689	336,476	235,077
1954-----	631,122	386,549	244,573	376,571	254,551
1955-----	675,060	418,363	256,697	404,303	270,757
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-----	1,026,000	596,000	430,000	653,000	373,000

Source: U.S. Department of Health, Education, and Welfare, Office of Education, Circular No. 652, Opening (Fall) Enrollment in Higher Education, 1960: Analytic Report, and Higher Education, Volume XVIII, No. 4.

Table 50.—Total and first-time degree-credit enrollment, by State, with percentage change from 1960 to 1961 and from 1955 to 1961, in institutions of higher education: United States and outlying parts

State	Total enrollment			First-time enrollment		
	Fall 1961 2	Percent change 1960 to 1961 3	Percent change 1955 to 1961 4	Fall 1961 5	Percent change 1960 to 1961 6	Percent change 1955 to 1961 7
United States and outlying parts	3,891,230	7.8	43.0	1,026,087	10.4	44.6
Alabama	47,967	4.6	25.8	13,041	12.5	43.4
Alaska	2,990	29.3	166.5	1,123	23.1	205.2
Arizona	36,239	11.3	97.8	10,081	11.8	106.0
Arkansas	27,719	10.7	52.4	9,640	24.3	69.5
California	499,505	11.5	61.5	152,654	14.3	74.0
Colorado	49,707	4.5	56.1	13,400	9.0	47.3
Connecticut	55,319	8.8	46.6	13,995	29.6	54.5
Delaware	8,002	12.0	43.6	2,494	46.5	121.3
District of Columbia	46,895	0.9	27.7	7,106	3.8	31.7
Florida	79,660	18.9	78.9	23,566	19.1	68.5
Georgia	51,955	3.5	24.4	14,579	7.0	27.7
Hawaii	11,697	12.5	86.5	3,248	20.8	116.1
Idaho	12,412	7.5	50.4	4,533	7.5	44.7
Illinois	216,777	8.2	44.0	56,297	15.3	59.9
Indiana	109,294	11.2	44.9	26,100	6.3	22.8
Iowa	61,154	6.6	37.9	17,632	7.0	32.1
Kansas	56,148	7.9	45.9	16,987	12.5	39.9
Kentucky	51,784	8.3	54.2	14,583	11.7	61.8
Louisiana	62,312	9.0	43.6	14,722	-1.4	26.1
Maine	13,687	8.0	69.6	4,012	9.7	52.1
Maryland	59,931	14.2	52.2	12,338	4.2	38.4
Massachusetts	138,167	3.0	32.4	34,930	-3.8	27.1
Michigan	169,822	6.0	41.7	37,821	2.5	44.8
Minnesota	83,174	9.8	65.2	23,876	23.1	67.0
Mississippi	38,772	8.7	50.4	13,773	19.9	61.1
Missouri	88,790	8.1	37.3	26,433	15.0	39.9
Montana	13,869	6.0	49.3	4,029	4.8	45.0
Nebraska	33,434	0.1	38.1	8,922	8.8	31.3
Nevada	4,738	14.4	156.0	1,152	13.7	20.1

New Hampshire	13,624	7.3	44.7	3,620	2.4	38.2
New Jersey	92,727	8.4	63.8	21,172	6.4	62.3
New Mexico	19,253	10.1	75.8	4,934	17.5	78.6
New York	370,619	5.5	17.9	67,369	3.1	12.1
North Carolina	77,481	12.1	53.0	23,211	15.4	47.8
North Dakota	14,201	6.1	57.4	4,769	13.9	43.5
Ohio	188,016	7.4	42.9	48,001	7.5	35.3
Oklahoma	59,623	3.5	28.1	17,036	14.3	20.1
Oregon	47,786	10.1	62.5	15,778	34.1	74.0
Pennsylvania	204,401	6.9	33.0	48,526	10.4	31.3
Rhode Island	19,842	2.1	50.9	5,697	3.3	48.7
South Carolina	32,749	3.8	37.9	9,879	3.2	38.3
South Dakota	15,270	5.3	43.3	4,977	14.5	35.3
Tennessee	64,579	2.2	45.4	18,425	-9.0	51.4
Texas	198,784	7.0	29.8	53,594	10.5	30.3
Utah	35,574	5.6	37.1	10,112	14.7	33.4
Vermont	10,093	12.4	39.5	3,435	15.2	47.0
Virginia	61,908	6.8	42.7	18,258	8.4	65.3
Washington	70,743	7.2	51.3	21,780	20.6	70.9
West Virginia	31,610	5.2	39.6	8,911	6.0	27.2
Wisconsin	81,773	8.8	46.0	20,993	7.6	32.0
Wyoming	7,117	8.3	40.8	2,021	9.2	43.6
U.S. Service Schools	13,390	-1.9	60.1	2,776	10.5	36.2
Grand Total	527	60.5	63.2	281	25.4	126.6
Grand Total	1,388	46.0	90.1	755	51.3	978.6
Puerto Rico	28,672	10.1	62.6	6,690	10.9	24.5

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

Table 51.—Enrollment for advanced degrees, by field of study and level, in institutions of higher education: United States and outlying parts, fall 1960

Field of study	Total	First year	Inter-mediate	Terminal year
Total-----	314,349	197,180	103,767	13,402
Agriculture-----	3,852	1,863	1,573	416
Architecture-----	585	335	245	5
Biological sciences-----	14,775	7,037	6,344	1,394
Business and commerce-----	25,342	17,823	7,198	321
Education-----	94,993	71,010	22,088	1,895
Engineering-----	36,636	19,894	15,226	1,516
English and journalism-----	13,463	8,274	4,686	503
Fine and applied arts-----	9,255	5,916	2,949	390
Foreign languages and literature-----	6,310	3,288	2,651	371
Forestry-----	560	325	214	21
Geography-----	1,041	555	422	64
Health professions-----	5,842	3,476	2,139	227
Home economics-----	1,580	1,041	501	38
Law-----	1,651	1,268	345	38
Library science-----	1,360	1,155	184	21
Mathematical subjects-----	11,770	7,455	3,869	446
Philosophy-----	2,258	1,028	1,041	189
Physical sciences-----	25,707	12,191	11,050	2,466
Psychology-----	10,677	5,470	4,290	917
Religion-----	5,314	2,429	2,392	493
Social sciences-----	37,317	22,274	13,419	1,624
Broad general curricula and miscellaneous fields-----	4,061	3,073	941	47

SOURCE: U. S. Department of Health, Education, and Welfare, Office of Education, Circular No. OE-54009-60, Summary Report on Survey of Students Enrolled for Advanced Degrees: Fall 1960.

Table 52.--Junior-year enrollment in science, mathematics, and foreign languages, by sex, control, and type, in institutions of higher education: United States and outlying parts, fall 1960

Field of study	Total	By sex		By control		By type of institution			
		Men	Women	Public	Private	Univer- sities	Libera arts colleges	Teachers colleges	All other/ 4-year institutions
1	2	3	4	5	6	7	8	9	10
All fields-----	433,508	274,514	158,994	250,269	183,239	193,956	155,539	56,457	27,556
All science and mathematics-----	62,213	48,279	13,934	33,735	28,478	26,752	25,463	7,894	2,104
Biological sciences-----	23,753	17,806	5,947	12,445	11,308	11,181	9,826	2,281	465
Mathematical subjects-----	15,773	11,261	4,512	9,299	6,474	5,490	6,613	3,171	499
Physical sciences-----	19,852	17,183	2,669	9,911	9,941	8,990	8,218	1,536	1,108
Sciences, general program-----	2,835	2,029	806	2,080	755	1,091	806	906	32
Teaching of English as a foreign language-----	155	64	91	109	46	137	18	-	-
All foreign languages and literature-----	8,040	2,735	5,305	3,568	4,472	3,613	3,838	480	109

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

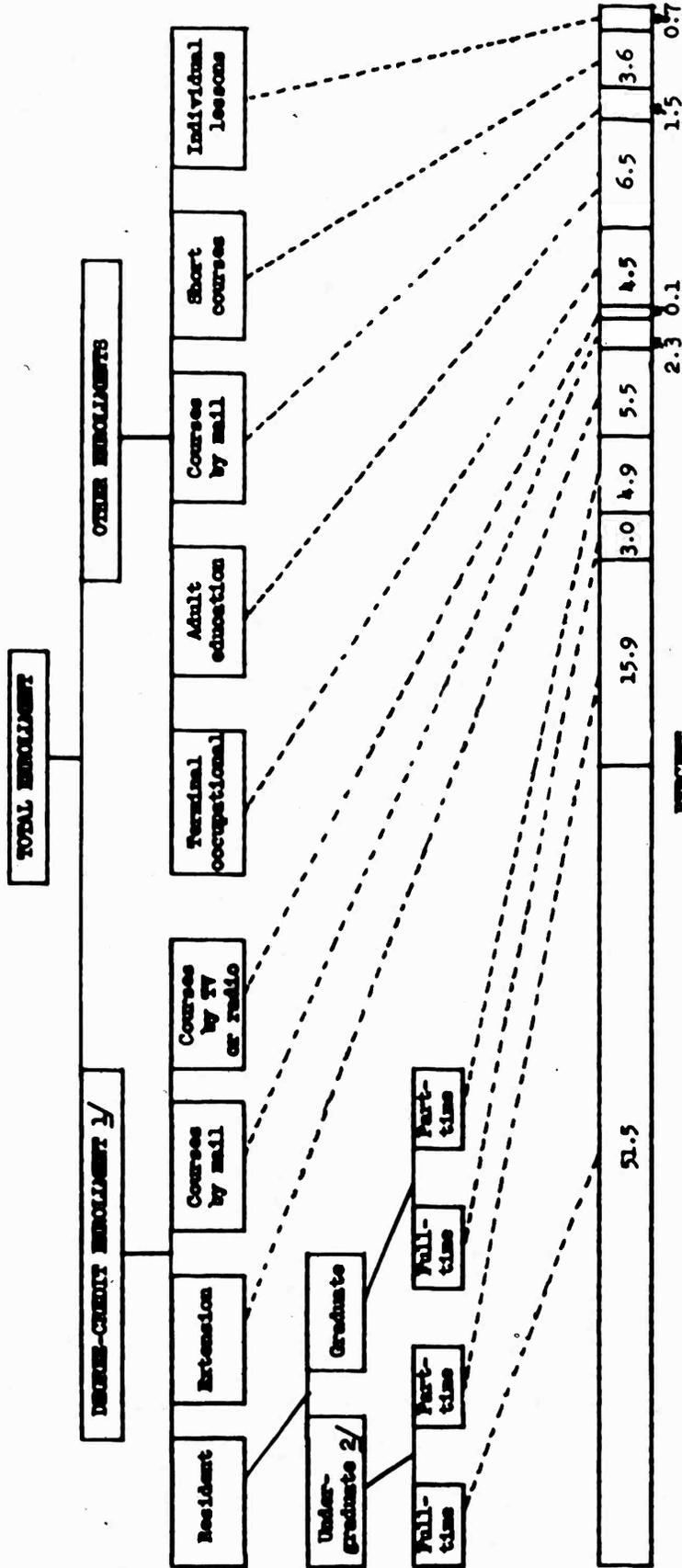
SOURCE: U. S. Department of Health, Education, and Welfare, Office of Education, Circular No. OE-54021-62, Bachelor's Degrees in Science and Mathematics Expected for 1961-62 and Junior-Year Enrollments in Science, Mathematics, and Foreign Languages.

Table 53.—Engineering enrollment by level in institutions of higher education: United States and outlying parts, fall 1949 to 1961

Fall of--	Total engineering enrollment	Enrolled for the first engineering degree	Enrolled for the master's degree	Enrolled for the doctor's degree
1961-----	272,777	232,104	32,804	7,869
1960-----	271,850	234,190	31,215	6,445
1959-----	273,348	242,992	29,713	5,643
1958-----	289,680	256,779	28,138	4,763
1957-----	297,077	268,761	24,136	4,180
1956-----	277,052	251,121	22,529	3,402
1955-----	243,390	221,448	18,779	3,163
1954-----	214,414	193,692	17,441	3,281
1953-----	193,333	171,725	18,607	3,001
1952-----	176,549	156,080	17,539	2,930
1951-----	165,637	145,997	16,765	2,875
1950-----	180,262	161,592	15,869	2,801
1949-----	219,712	201,927	15,242	2,543

SOURCE: U. S. Department of Health, Education, and Welfare, Office of Education, Circular No. OE-54004-61, Advance Report on Engineering Enrollment and Degrees: 1961

Figure 4 --Classification and percent distribution, enrollment in institutions of higher education, by type and level: United States and outlying parts, first term, 1959-60



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, Circular No. OE-54024, Advance Report, Total Enrollment in Institutions of Higher Education: First Term, 1959-60.

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

Curriculum	Number of graduates 1959-60	Enrollment 1960
All organized occupational curriculums-----	51,680	246,496
Engineering-related curriculums-----	15,887	86,780
Aeronautical-----	1,386	4,009
Air conditioning, heating, and refrigeration-----	308	1,241
Architectural and civil-----	1,754	12,299
Chemical technology-----	270	1,794
Electrical-----	6,752	34,173
General engineering technology-----	570	4,230
Industrial-----	556	3,361
Mechanical-----	3,588	9,703
Metallurgical technology-----	103	509
Miscellaneous-----	398	3,474
Other-----	202	1,987
Nonengineering-related curriculums-----	35,993	159,716
Agriculture and forestry-----	1,485	5,534
Applied and graphic arts-----	1,880	11,977
Business and commerce-----	17,980	93,781
Education-----	7,083	20,289
Health service-----	5,798	16,489
Home economics-----	490	2,674
Miscellaneous-----	902	6,781
Other-----	375	2,191

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

Table 55.—Number of graduates, 1959-60, and enrollment, fall 1960, by full-time and part-time, by sex, organized occupational curricula, in institutions of higher education: United States and outlying parts

Curriculum	Graduates			Enrollment		
	Total	Men	Women	Total	Full-time	Part-time
	1	2	3	4	5	6
All organized occupational curricula-----	51,880	27,926	23,954	245,456	152,912	92,584
Engineering-related-----	15,887	15,760	127	86,780	47,195	39,585
Non-engineering related-----	22,992	12,166	23,827	159,716	105,717	53,999
2 or 3 year curricula-----	42,118	23,929	18,479	222,072	139,064	83,008
Engineering-related-----	12,824	12,714	110	77,791	43,680	34,111
Non-engineering related-----	29,294	11,225	18,369	144,281	95,384	48,897
1-year curricula-----	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	15,455	10,333	5,102
4-year institutions-----	18,732	9,684	9,048	73,665	44,004	31,661
Engineering-related-----	5,697	5,627	40	27,776	12,731	15,045
Non-engineering related-----	13,035	4,057	9,008	47,889	31,273	16,606
2-year institutions-----	33,148	18,242	14,906	170,831	108,898	61,933
Engineering-related-----	10,190	10,103	87	59,004	34,464	24,540
Non-engineering related-----	22,958	8,139	14,819	111,827	74,434	37,393

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



Table 54.—Number of earned degrees conferred, by sex, major area of study, and level, by institutions of higher education: United States and outlying parts, 1959-60

Major area of study	Number of--					
	Bachelor's and first professional degrees		Master's and second level degrees		Doctor's degrees	
	Men	Women	Men	Women	Men	Women
Total	252,204	139,385	50,937	23,560	8,801	1,028
Agriculture	4,809	93	984	12	404	7
Architecture	1,744	57	305	14	17	-
Biological Sciences	11,693	3,962	1,668	486	1,086	119
Business and Commerce	47,629	3,893	4,476	167	133	2
Education 1/	26,178	64,001	18,126	15,386	1,281	309
Engineering	37,663	145	7,133	26	783	3
English and Journalism	9,001	13,455	1,670	1,522	321	84
Fine and Applied Arts	6,141	7,025	1,763	1,129	238	54
Foreign Languages and Literature	2,098	3,400	593	541	166	63
Forestry	1,437	-	206	1	29	-
Geography	1,858	115	177	29	64	4
Health Professions	15,170	9,387	1,075	797	99	8
Home Economics 1/	60	4,590	11	473	6	34
Law	9,073	241	496	24	24	-
Mathematical Subjects	467	1,471	70	235	17	2
Merchant Marine--Deck Officer Curriculum	8,312	3,125	1,428	337	285	18
Military, Naval or Air Force Science	202	-	-	-	-	-
Philosophy	2,366	3	-	-	-	-
Physical Sciences	3,052	414	335	48	112	-
Psychology	14,041	2,016	3,060	327	1,776	25
Religion	4,785	3,326	981	425	544	62
Social Sciences	7,563	1,439	1,124	207	265	97
Trades and Industrial Training	35,801	16,001	4,765	1,233	1,117	11
Other broad general curriculums and miscellaneous fields	1,537	11	-	-	-	120
1/ Home economics education included under Education, not under Home Economics.	3,828	1,415	491	141	34	6

Source: U. S. Department of Health, Education, and Welfare, Office of Education, Circular No. 08-54010-60, Summary Report on Bachelor's and Higher Degrees Conferred During the Year 1959-60.



Table 57.—Earned degrees conferred by level, by institutions of higher education: United States and outlying parts, 1949-50 to 1959-60

Year	Conferrals				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
1	2	3	4	5	6	7	8
1949-50	498,586	433,734	58,219	6,633	87.0	11.7	1.3
1950-51	456,822	384,352	65,132	7,338	84.1	14.3	1.6
1951-52	403,194	331,924	63,587	7,683	82.3	15.8	1.9
1952-53	374,189	304,857	61,023	8,309	81.5	16.3	2.2
1953-54	358,699	292,880	56,823	8,996	81.7	15.8	2.5
1954-55	354,445	287,401	58,204	8,840	81.1	16.4	2.5
1955-56	379,641	311,298	59,440	8,903	82.0	15.7	2.3
1956-57	411,058	340,347	61,955	8,756	82.8	15.1	2.1
1957-58	440,304	365,748	65,614	8,942	83.1	14.9	2.0
1958-59	464,008	385,151	69,497	9,360	83.0	15.0	2.0
1959-60	479,215	394,889	74,497	9,829	82.4	15.5	2.1

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

Table 58.—Engineering degrees conferred, by level, by institutions of higher education: United States and outlying parts, 1948-49 to 1960-61

Year	Total engineering degrees	Bachelor's or first engineering degrees	Master's degrees	Doctor's degrees
1	2	3	4	5
1960-61-----	44,939	35,860	8,136	943
1959-60-----	45,753	37,808	7,159	786
1958-59-----	45,601	38,134	6,753	714
1957-58-----	41,767	35,332	5,788	647
1956-57-----	37,039	31,211	5,232	596
1955-56-----	31,640	26,306	4,724	610
1954-55-----	27,672	22,589	4,484	599
1953-54-----	27,003	22,236	4,177	590
1952-53-----	28,499	24,164	3,743	592
1951-52-----	35,013	30,286	4,141	586
1950-51-----	47,635	41,893	5,156	586
1949-50-----	58,130	52,732	4,904	494
1948-49-----	50,415	45,200	4,798	417

Source: U.S. Department of Health, Education, and Welfare, Office of Education, Circular No. OE-54004-61, Advance Report on Engineering Enrollment and Degrees: 1961.

Table 59.--Different degrees offered, by level, whether current or noncurrent, earned or honorary, by institutions of higher education: United States and outlying parts, 1642-1960

(This tabulation refers to different kinds of degrees offered, e.g.: A.B., B.S., M.S., LL.M., Ph.D., Sc.D., etc., not to number of institutions offering each degree or to number of persons taking each degree. It is to be read thus: A total of 2,452 different earned degrees has been offered by American institutions of higher education since 1642; of these 1,620 were offered in 1960 and 832 have been discontinued.)

Item	Total	Current 1/	Noncurrent 2/
1	2	3	4
Earned degrees:			
Total-----	2,452	1,620	832
Associate-----	146	134	12
Bachelor-----	913	693	220
Master-----	792	585	207
Doctor-----	374	119	255
Other-----	227	89	138
Honorary degrees:			
Total-----	235	120	115
Associate-----	3	3	0
Bachelor-----	27	13	14
Master-----	56	24	32
Doctor-----	144	78	66
Other-----	5	2	3

1/ Offered by one or more institutions in 1960.

2/ Not offered by any institution in 1960.

SOURCE: U. S. Department of Health, Education, and Welfare, Office of Education, Bulletin 1960, No. 28, Academic Degrees.

Table 60 .--University and college libraries: United States and outlying parts, 1959-60

[All figures except number of institutions are rounded to nearest thousand, i.e., 000 omitted.]

Number of institutions-----	1,951
Collections	
Volumes on hand, end of year-----	176,721
Volumes added during year-----	8,415
Periodicals received-----	1,271
Personnel ^{1/}	
Professional staff ^{1/} -----	9
Nonprofessional staff ^{1/} -----	9
Total staff ^{1/} -----	18
Operating Expenditures ^{2/}	
Salaries and wages ^{2/} -----	\$ 84,175
Books and other library materials-----	40,760
Binding-----	4,852
Other-----	7,458
Total expenditures ^{2/} -----	\$137,245

^{1/} Full-time equivalent.

^{2/} Does not include estimated value of contributed service.

SOURCE: U. S. Department of Health, Education, and Welfare, Office of Education, Circular No. OE-15023, Library Statistics of Colleges and Universities, 1959-60.

Table 61.—Income and expenditures for organized research, institutions of higher education: United States and outlying parts, 1959-60
[In thousands of dollars]

Item	Amount	Percent
1	2	3
Expenditures:		
Under outside contracts-----	853,506	83.3
All other organized research-----	170,893	16.7
Total expenditures-----	1,024,399	100.0
Income, from -		
Federal Government:		
Grants or contracts-----	828,734	80.9
Through land-grant institutions--	30,165	3.0
Private gifts and grants-----	87,274	8.5
Total designated income-----	946,173	92.4
Balance, made up from general institu- tional funds-----	78,226	7.6
Total-----	1,024,399	100.0

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

Table 62.—Percent of personal income devoted to higher education, by State: 1959-60

State	Personal income 1959 (millions of dollars)	Total current expenditures for higher education/ 1959-60	
		Amount (thousands of dollars)	Percent of personal income
1	2	3	4
United States and outlying parts-----	383,824	5,533,711	1.44
50 States and D.C.-----	382,583	5,507,405	1.44
Alabama-----	4,602	63,279	1.38
Alaska-----	555	5,675	1.02
Arizona-----	2,398	33,718	1.41
Arkansas-----	2,360	36,229	1.54
California-----	40,915	724,227	1.77
Colorado-----	3,776	72,943	1.93
Connecticut-----	6,939	83,460	1.20
Delaware-----	1,285	9,225	0.72
District of Columbia-----	2,200	65,304	2.97
Florida-----	9,398	89,896	0.96
Georgia-----	6,075	79,408	1.31
Hawaii-----	1,290	12,873	1.00
Idaho-----	1,186	16,703	1.41
Illinois-----	25,643	366,065	1.43
Indiana-----	9,700	160,286	1.65
Iowa-----	5,409	104,927	1.94
Kansas-----	4,302	68,638	1.60
Kentucky-----	4,564	52,656	1.15
Louisiana-----	5,145	88,918	1.73
Maine-----	1,724	20,815	1.21
Maryland-----	7,096	115,376	1.63
Massachusetts-----	12,387	306,620	2.48
Michigan-----	17,469	264,778	1.52
Minnesota-----	6,658	119,565	1.80
Mississippi-----	2,493	43,272	1.74
Missouri-----	9,250	110,899	1.20
Montana-----	1,319	20,199	1.53
Nebraska-----	2,757	41,554	1.51
Nevada-----	757	5,719	0.76
New Hampshire-----	1,192	24,792	2.08
New Jersey-----	15,441	116,795	0.76
New Mexico-----	1,689	28,545	1.69
New York-----	45,016	565,640	1.26
North Carolina-----	6,752	129,837	1.92
North Dakota-----	976	18,440	1.89
Ohio-----	21,947	224,707	1.02
Oklahoma-----	4,117	65,667	1.60

Table 62.—Percent of personal income devoted to higher education, by State: 1959-60 (Cont.)

State	Personal income 1959 (millions of dollars)	Total current expenditures for higher education ^{1/} 1959-60	
		Amount (thousands of dollars)	Percent of personal income
1	2	3	4
Oregon-----	3,865	57,089	1.48
Pennsylvania-----	24,728	299,174	1.21
Rhode Island-----	1,850	28,108	1.52
South Carolina-----	3,157	43,119	1.37
South Dakota-----	1,020	21,167	2.08
Tennessee-----	5,348	81,640	1.53
Texas-----	18,033	215,633	1.20
Utah-----	1,621	45,727	2.82
Vermont-----	694	19,680	2.83
Virginia-----	7,041	94,232	1.34
Washington-----	6,350	90,714	1.43
West Virginia-----	3,060	30,846	1.01
Wisconsin-----	8,306	112,084	1.35
Wyoming-----	728	10,542	1.45
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 63 --Income of institutions of higher education: United States and outlying parts, 1949-50 to 1959-60
 Amounts in thousands of dollars

Item	INCOME						
	1949-50	1951-52	1953-54	1955-56	1957-58	1959-60	
1	2	3	4	5	6	7	
Current income-----	\$2,390,079	\$2,579,364	\$2,966,264	\$3,628,773	\$4,675,513	\$5,812,759	
Miscellaneous and general-----	1,846,825	2,035,401	2,356,506	2,881,759	3,762,532	4,712,548	
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	50,552	72,616	83,937	88,297	
Research 2/-----	3	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/-----	500,269	620,588	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-----							
Other educational and general-----	34,798	41,131	58,762	80,464	47,448	45,425	
Auxiliary enterprises-----					71,705	88,739	
Student aid income-----	513,096	511,248	576,840	693,975	841,539	1,005,963	
Other current income-----	16,288	21,058	32,918	53,039	71,442	94,248	
Receipts for plant expansion-----	13,870	11,657					
Federal Government-----	530,435	356,297	470,340	826,000	1,227,199	1,311,907	
State governments-----	12,362	12,660	8,380	13,267	63,011	57,599	
Local governments-----	285,234	144,362	132,897	222,751	376,331	320,401	
Private gifts and grants-----	19,373	16,075	13,956	17,295	45,454	36,304	
Miscellaneous receipts-----	72,629	71,616	103,900	143,177	157,172	196,464	
	140,837	111,584	211,207	429,510	585,231	701,139	

	66,939	96,210	106,538	197,148	203,788	209,147
Private gifts and grants for fund increases-----						
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, 1956-58, Chapter 4, Section II, Statistics of Higher Education: Receipts, Expenditures, and Property, 1957-58 and unpublished data.

Table 64 -- Educational and general income of institutions of higher education, by source: United States and outlying parts, 1949-50 to 1959-60

Item	AMOUNT \$						
	1949-50	1951-52	1953-54	1955-56	1957-58	1959-60	
1	2	3	4	5	6	7	
Internal Sources							
Student fees 2/	\$ 395,855	\$ 448,395	\$ 54,179	\$ 725,926	\$ 939,111	\$ 1,161,753	
Related activities	112,437	137,010	165,477	192,406	199,303	244,894	
Sales and services of educational departments	34,758	41,131	58,762	80,464	47,448	45,425	
Other sources	543,050	626,536	778,418	998,796	1,257,567	88,739	
Total internal sources	118,705	149,925	191,258	245,539	324,970	393,186	
Philanthropic Sources	96,370	112,927	127,533	145,040	181,638	206,666	
Private gifts and grants	215,075	262,892	318,791	390,579	506,608	589,892	
Endowment earnings							
Total philanthropic sources	308,432	447,513	44,368	15,637	5,056	3,483	
Public Sources	48,249	49,376	50,592	72,616	83,937	88,297	
Federal Government:							
Veterans' tuition and fees 2/	170,392	221,105	282,379	355,576	534,389	828,734	
Land-grant institutions 3/	500,289	35,418	42,244	50,056	89,049	120,385	
Research 3/	61,378	620,588	751,556	891,600	1,156,537	1,389,271	
Other purposes		72,013	88,198	106,899	129,389	151,715	
State governments	1,088,700	1,146,013	1,299,297	1,492,384	1,998,357	2,581,885	
Local governments	1,846,825	2,035,401	2,356,506	2,881,799	3,762,532	4,712,548	
Total public sources							
GRAND TOTAL							



PERCENT ^{b/}

Internal Sources					
Student fees-----	21.5	22.0	23.5	25.2	24.9
Related activities-----	6.1	6.8	7.0	6.7	5.3
Sales and services of educational departments-----	-----	-----	-----	-----	1.3
Other sources-----	1.9	2.0	2.5	2.8	1.9
Total internal sources-----	29.5	30.8	33.0	34.7	33.4
Philanthropic Sources					
Private gifts and grants-----	6.4	7.4	8.1	8.5	8.7
Endowment earnings-----	5.2	5.5	5.4	5.0	4.8
Total philanthropic sources-----	11.6	12.9	13.5	13.5	13.5
Public Sources					
Federal Government:					
Veterans' tuition and fees ^{2/} -----	16.7	7.3	1.9	.6	.1
Land-grant institutions ^{3/} -----	2.6	2.4	2.2	2.5	1.9
Research ^{3/} -----	-----	10.9	12.0	12.3	14.2
Other purposes-----	9.2	1.7	1.8	1.7	2.4
State governments-----	27.1	30.5	31.9	31.0	30.8
Local governments-----	3.3	3.5	3.7	3.7	3.4
Total public sources-----	58.9	56.3	53.5	51.8	53.1
GRAND TOTAL-----	100.0	100.0	100.0	100.0	100.0

^{1/} In thousands of dollars.
^{2/} Tuition and fees received from veterans under Public Law 550 are reported under Student Fees and not under Income from the Federal Government.
^{3/} Income from the Federal Government for research at agricultural experiment stations administered by land-grant institutions is reported under Land-grant institutions and not under Research.
^{4/} Based on rounded amounts.
 Source: U.S. Department of Health, Education, and Welfare, Office of Education, Biennial Survey of Education in the United States, 1976-78, Chapter 4, Section II, Statistics of Higher Education: Receipts, Expenditures, and Property, 1977-78; and unpublished data.



Table 65.—Federal grants for research to institutions of higher education, by control and level: United States and outlying parts, 1959-60

Control and level	Amount ^{1/}
All institutions-----	\$828,733,931
4-year institutions-----	827,972,707
2-year institutions-----	761,224
Publicly controlled institutions-----	363,513,260
4-year institutions-----	363,483,954
2-year institutions-----	29,306
Privately controlled institutions-----	465,220,671
4-year institutions-----	464,488,753
2-year institutions-----	731,918

^{1/} Amounts reported do not include: (a) Federal grants for research which were received through State channels and regional compacts; nor (b) Federal grants for research at agricultural experiment stations administered by land-grant institutions.

Source: U.S. Department of Health, Education, and Welfare, Office of Education, 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/}	
Current:			
Educational and general--	\$383,186,334	\$ 2.15	44.6
Student aid-----	45,526,242	0.25	5.3
Total amount-----	\$428,712,576	2.40	49.9
Plant ^{2/} -----	220,651,191	1.24	25.7
Endowment ^{3/} -----	187,528,440	1.05	21.8
Student loan fund-----	5,619,087	0.03	.7
Annuity or living trust-----	15,999,967	0.09	1.9
Total, all funds----	\$858,511,261	\$ 4.81	100.0

^{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 non-private sources.

^{3/} Includes funds functioning as endowment.

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

Table 67.—Expenditures of institutions of higher education: United States and outlying parts, 1949-50 to 1959-60
 [In thousands of dollars. 1. e., 000 omitted]

Item	1949-50	1951-52	1953-54	1955-56	1957-58	1959-60
1	2	3	4	5	6	7
Current expenditures-----	2,259,941	2,485,229	2,902,466	3,524,744	4,543,562	5,627,962
Educational and general-----	1,717,913	1,933,645	2,288,351	2,788,799	3,634,142	4,536,096
General administration and general expenses-----	214,477	239,426	290,533	358,300	478,166	587,336
Instruction and departmental re-search-----	785,420	827,737	966,769	1,148,510	1,477,350	1,802,871
Extension and public services-----	88,309	99,287	114,680	141,074	178,928	208,378
Libraries-----	56,484	60,948	73,438	86,133	110,510	131,913
Plant operation and maintenance-----	226,246	241,564	280,047	328,260	408,938	473,682
Organized research-----	227,344	320,362	374,922	506,097	733,887	1,004,398
Related activities-----	119,533	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-----	62,045	33,456	---	---	---	---
Gross additions to plant value	418,528	409,665	533,128	685,590	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 1. 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

University and colleges	11-12 Months			9-10 Months					All four faculty ranks
	President	Dean (academic)	Professor	Associate professor	Assistant professor	Instructor			
1	2	3	4	5	6	7	8		
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	5,760	7,710		
Private-----	14,500	10,400	8,410	6,970	6,040	5,220	6,640		
Teachers undergraduate									
Public-----	15,080	11,950	9,010	7,670	6,800	5,900	7,220		
Private-----	14,490	11,310	9,010	7,670	6,800	5,830	5,420		
Junior colleges									
Public-----	12,450	10,260	2/2/	2/2/	2/2/	2/2/	7,210		
Private-----	10,010	7,630	2/2/	2/2/	2/2/	2/2/	5,180		

1/ 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, and unpublished data.



Table 69 .—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

Size of enrollment	Average salary		
	Public and private	Public	Private
1	2	3	4
Total, 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 70.--Property of institutions of higher education: United States and outlying parts, 1950 to 1960

Item	1950	1952	1954	1956	1958	1960
1	2	3	4	5	6	7
Property values at end of year -----	7,843,303	9,777,708	11,243,261	13,322,289	16,847,123	20,724,872
Physical plant and plant funds-----	5,296,030	6,784,854	8,032,700	9,485,060	12,136,585	14,692,697
Physical plant-----	4,820,981	6,400,935	7,229,246	8,501,825	11,180,156	13,588,360
Unexpended plant funds-----	472,049	383,919	803,454	983,235	956,429	1,054,337
Endowment and other nonrespendable funds-----	2,647,273	2,992,854	3,212,561	3,837,229	4,810,538	5,972,175
Endowment funds-----	2,604,098	2,871,345	3,196,120	3,703,473	4,647,828	5,322,971
Amnity funds-----	2/	74,641	67,253	79,275	91,473	122,797
Student loan funds-----	43,175	46,868	49,192	58,481	71,237	126,447

1/ In thousands of dollars, i.e., \$000 omitted. 2/ Amnity 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 71.—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
1	2	3	4	5
1958				
All institutions-----	1,940	2,927,914	\$11,180,156	\$3,818
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-----	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	1,230,977	4,491,453	3,650
2-year institutions--	241	51,469	226,570	4,368
1960				
All institutions-----	2,015	3,236,197	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	1,498,297	7,213,976	4,815
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, i. e., 000 omitted.

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

Institutions by control and level	Number	Enrollment ^{1/}	Endowment Funds ^{2/}	
			Total ^{3/}	Per student
1	2	3	4	5
1958				
All institutions-----	1,940	2,927,914	\$4,647,828	\$1,587
4-year institutions----	1,397	2,577,839	4,600,960	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	1,347,262	868,597	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-----	2,015	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	1,498,297	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, i.e., 000 omitted.

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

Loan	All institutions	Publicly controlled institutions	Privately controlled institutions
Total principal at beginning of year-----	\$94,122,951	\$39,088,439	\$55,034,492
Total addition to principal during year-----	34,200,013	16,283,402	17,916,611
Of these additions, private gifts and grants amounted to-----	5,619,087	1,570,175	4,048,912
Total 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 graduates of any college. 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 repassed 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, but 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 approximate one-fifth of all higher education enrollments and an even greater proportion of operating funds and property. Many of them are classed as State universities; nearly all offer curricula extending far beyond those specified in the original enactment.

Table 74 .--Faculty, students, and degrees, land-grant institutions: United States and outlying parts, 1949-50 ^{1/} 1960-61

Faculty	1949-50	1960-61
Total number of positions-----	78,101	124,102
Men-----	61,750	^{1/} 101,115
Women-----	16,351	^{1/} 22,987
Total number of different persons----	70,769	108,274
Resident college students		
Total-----	507,702	593,433
Men-----	391,733	410,695
Women-----	115,969	182,738
Graduate-----	58,405	84,283
Undergraduate (including special)-----	449,297	509,150
Opening (fall) enrollment-----	413,355	639,489
First time in any college-----	77,563	139,806
Earned degrees conferred		
All degrees-----	123,308	^{2/} 104,597
Bachelor's and first professional-----	106,429	82,431
Men-----	87,429	58,905
Women-----	19,000	23,526
Master's -----	14,322	18,267
Men-----	^{1/} 10,140	13,958
Women-----	^{1/} 4,182	4,309
Doctor's-----	2,557	3,899
Men-----	^{1/} 2,309	3,611
Women-----	^{1/} 248	288

^{1/} Estimated.

^{2/} Data for 1959-60; later data not available for earned degrees.

SOURCE: U. S. Department of Health, Education, and Welfare, Office of Education, Bulletin 1951, No. 4, Statistics of Land-Grant Colleges and Universities, Year Ended June 30, 1950; and unpublished data.

Table 75.—Funds of Federal origin, land-grant institutions:
United States and outlying parts, 1960-61

	1960-61
Funds of Federal origin-----	542,982,132
Total Federal appropriations-----	92,762,880
Funds for instruction and facilities----- (Morrill-Nelson, and Benckhead-Jones funds)-----	5,051,500
Funds for research (experiment stations)-----	30,653,094
Hatch funds as amended-----	30,165,023
Research under Agriculture Marketing Act-----	488,071
Funds for cooperative extension-----	56,858,286
Smith-Lever funds (Act of 1914 as amended)-----	55,375,832
Extension under Agriculture Marketing Act-----	1,482,454
Total endowment income under land- grant funds-----	4,113,303
From 1862 land-grant funds-----	2,747,803
From other Federal land-grant funds-----	1,365,500
Other Federal funds-----	446,285,949
For educational and general purposes-----	436,587,338
Funds from Veterans' Administration for tuition and fees-----	203,138
Federal research funds (exclusive of experi- ment stations research funds)-----	417,998,537
Other Federal grants and payments-----	18,385,663
For plant expansion-----	9,698,611

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

Table 76.—Financial statistics, land-grant institutions:
United States and outlying parts, 1949-50 and 1960-61

Income	1949-50	1960-61
Current income -----	\$708,896,438	\$1,951,608,506
Educational and general -----	570,769,073	1,663,106,072
Student fees-----	50,209,598	165,343,989
Federal government:		
Veterans' tuition and fees-----	66,960,271	203,138
Land-grant regular appropriations	48,244,909	92,564,880
Research-----	60,115,926	417,998,537
Other purposes-----	2,579,553	18,385,664
State governments-----	262,127,115	741,472,040
Local governments-----	3,555,277	8,498,730
Endowment earnings-----	8,892,676	14,085,716
Private gifts and grants-----	18,754,222	69,855,842
Related activities-----	39,373,628	105,138,064
Other educational and general-----	9,955,898	29,559,472
Auxiliary enterprises-----	128,784,628	266,629,733
Non-educational income-----	9,342,737	---
Student-aid income-----	---	21,872,701
Other current income-----	---	---
Receipts for plant expansion -----	211,243,580	344,786,223
Federal government-----	1,465,304	9,698,611
State governments-----	152,600,405	122,310,330
Local governments-----	687,030	721,774
Private gifts and grants-----	2,680,429	11,567,284
Miscellaneous receipts-----	53,810,412	200,488,224
Private gifts and grants for fund increases:		
Endowment funds-----	11,284,257	26,710,766
Annuity funds-----	98,560	4,953,004
Student loan funds-----	122,893	1,099,211

Table 76.--Financial statistics, land-grant institutions: United States and outlying parts, 1949-50 and 1960-61 (Cont'd.)

Expenditures	1949-50	1960-61
Current expenditures-----	\$665,740,490	\$1,914,074,038
Educational and general-----	528,027,672	1,627,761,066
General administration and general expenses-----	41,932,169	131,374,502
Instruction and departmental research-----	186,868,354	481,995,888
Extension and public service-----	75,213,649	171,509,950
Libraries-----	13,362,479	35,633,405
Plant operation and maintenance-----	51,172,619	120,341,979
Organized research-----	121,427,832	581,646,782
Related activities-----	38,050,570	102,258,560
Auxiliary enterprises-----	121,731,432	248,838,036
Other non-educational expenses-----	15,981,386	-
Student-aid expenditures-----	-	37,474,936
Expenditures for plant expansion--	151,299,202	291,570,400
Property		
Property values at end of year---	1,800,342,221	4,941,107,378
Physical plant and plant funds-----	1,514,264,123	4,152,960,848
Physical plant-----	1,296,356,036	3,880,590,898
Unexpended plant funds-----	217,908,087	272,369,950
Endowment and other nonexpendable funds-----	286,078,098	788,146,530
Endowment funds-----	262,982,294	737,779,339
Annuity funds-----	12,518,803	12,457,349
Student loan funds-----	10,577,001	37,909,842

Source: U. S. Department of Health, Education, and Welfare, Office of Education, Bulletin 1951, No. 4, Statistics of Land-Grant Colleges and Universities, Year Ended June 30, 1950, and unpublished data.

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 which have helped support, in one way or another, 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. Table 77, "Federal Funds Supporting Education in Educational Institutions . . .," has been developed by the Federal 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. Table 78 shows data that are reported in the Office of Education publication, Federal Funds for Education, and the National Science Foundation publication, Federal Funds for Science X, but which are not in the same general category as Federal-aid-to-education legislation. Table 79 reports Federal funds for education by field of study and includes data from both tables 77 and 78.

Table 77 .—Federal funds supporting education in educational institutions, exclusive of payments for services rendered to the Federal Government, by level: Estimates for fiscal year 1961 ^{1/}

Program area	Amounts in thousands	
A. Grants-----		<u>2/\$1,481,590</u>
<u>Elementary-secondary education----</u>		<u>516,411</u>
School assistance in federally affected areas-----	\$277,446	
Indian education-----	64,588	
Public lands revenue for schools ^{3/} -----	44,755	
National Defense Education Act (titles III, V, and X)-----	42,681	
Education for dependents of military personnel overseas ^{4/} -----	38,633	
Vocational education-----	19,304	
School assistance in special areas ^{5/} -----	15,571	
Testing, counseling, and placement services for high school seniors-----	4,815	
Teaching and teacher training grants, Educational Exchange Program-----	4,670	
Science education—National Science Foundation-----	3,376	
Other-----	572	
<u>Higher education-----</u>		<u>757,920</u>
Basic research and research facilities in U. S. educational institutions proper ^{6/} -----	307,873	
Training grants-----	170,094	
Veterans education-----	160,867	
Fellowships ^{7/} -----	64,238	
Traineeships ^{8/} -----	17,914	
Training State and local personnel ^{9/} -----	4,582	
Training facilities and equipment ^{10/} -----	4,276	
Special educational programs-----	27,906	
Howard University-----	\$6,259	
Land-grant colleges-----	5,076	
University teaching grants, Educational Exchange Program-----	4,966	
Gallaudet College-----	3,399	

Table 77 .—Federal funds supporting education in educational institutions, exclusive of payments for services rendered to the Federal Government, by level: Estimates for fiscal year 1961 ^{1/} (Cont.)

Program area	Amounts in thousands	
Special training programs, Atomic Energy Commission	\$2,376	
Special training programs, National Science Foundation-----	2,254	
National Defense Education Act—Dissemination of information on new educational media-----	1,321	
State merchant marine schools-----	1,230	
Federal Council on Medical Education-----	540	
Training at Saint Elizabeths Hospital-----	268	
Public Health Service training programs-----	217	
Other-----		\$170
<u>Adult education</u> -----		<u>\$112,334</u>
Veterans education-----	86,033	
Vocational education-----	17,807	
Training non-Federal personnel ^{11/} -----	4,603	
Indian education-----	3,500	
Other-----	391	
<u>Not classified by level</u> -----		<u>94,925</u>
Value of surplus property transferred ^{12/} -----	94,925	
B. Loans-----		<u>377,673</u>
<u>Elementary-secondary education</u> -----		<u>651</u>
Private school loans (National Defense Education Act, title III)-----	651	
<u>Higher education</u> -----		<u>377,022</u>
Student loan fund, National Defense Education Act-----	57,941	
College housing loans-----	319,081	

1/ Based primarily on preliminary data from a questionnaire survey of Federal agencies by the Office of Education. The Federal Funds for Education series of publications of the Office of Education based on this survey include estimates for programs which in some way provide (1) funds, commodities, or services to educational institutions and agencies or (2) support for education and training to educational institutions, agencies, or individuals.

Items included in the Federal Funds for Education series but excluded from the table above are (1) payments for services rendered to the Federal Government and (2) payments for education not received in an educational institution. (These items are included in the "Supplement" to the table.) Included in the table are payments for education of nonresident enrollees of educational institutions, services essential for the conduct of education in educational institutions, and funds for activities which are an integral part of the educational process.

2/ Amount understates actual total because amounts for some program areas are understated (see footnotes 4, 6, 9, and 11) and because data for some program areas are not available (for example, education services for veterans).

3/ Estimated amount for schools represents 50 percent of total reported for roads and schools.

4/ Data on payments for education of dependents of other Federal personnel overseas are not included. Such payments were not reported to the Office of Education.

5/ Includes District of Columbia, Canal Zone, Atomic Energy Commission facilities, national parks, territories, and dependencies.

6/ Data for Federal funds for "basic research in U. S. educational institutions proper" are from Federal Funds for Science, X, National Science Foundation, and represent in the table an estimate of "grants" for research, as opposed to "purchases." This distinction is not a clear-cut one, and some of the research funds included in the table include some purchases. Also, some of the research funds excluded from the table include some grants. Data on Federal funds for basic research in foreign educational institutions proper are not available. Basic research facilities grants of the National Science Foundation are included in the table. Other research facilities funds are omitted because of unavailability of data.

7/ Includes National Institutes of Health foreign research fellowships and Educational Exchange Program study grants amounting to \$13,659,000.

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

9/ Includes expenditures for training in Federal installations or at educational institutions. Reports probably underestimate considerably amounts expended for this purpose.

10/ Surplus property equipment transferred to educational institutions cannot be distributed by level and are listed elsewhere.

11/ Amount reported underestimates total Federal expenditures for this purpose, as all programs for this purpose were not reported.

12/ Based on estimated actual value of surplus real property transferred (\$11.5 million) and estimated actual value of surplus personal property of 30 percent of original cost (\$83.4 million). Estimated actual value of personal property at time of transfer may in some instances be as little as 5 percent of original cost.

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

Table 78.—Federal funds for program areas included in Office of Education reports on Federal Funds for Education and in the National Science Foundation publication, Federal Funds for Science X, but excluded from Table 77, "Federal funds supporting education in educational institutions": Estimates for fiscal year 1961

Program area	Amounts in thousands	
1	2	3
<u>Research and development</u> 1/-----		\$680,159
Research and development in educational institutions proper and research centers, exclusive of basic research in U.S. educational institutions proper-----	\$680,159	
<u>Related school services</u> -----		315,796
School lunch programs-----	307,846	
Rural library services-----	7,400	
Bus transportation 2/-----	550	
<u>Training of Federal personnel (civilian and military)</u> 3/-----		68,212
Military academies-----	47,849	
Outservice training-----	9,333	
Naval Reserve Officer Training Corps-----	3,758	
Navy Postgraduate School-----	3,615	
Air Force language training-----	2,711	
Other-----	946	
<u>International education</u> -----		56,886
Agency for International Development cooperative projects 4/-----	50,757	
Observation grants, Educational Exchange Program-----	4,446	
Advisory grants, Educational Exchange Program-----	1,683	
Agency for International Development university contracts -----	5/	
<u>Other</u> -----		64,220
Cooperative Agricultural Extension Service-----	56,715	
Promotion of apprenticeship and training---	4,061	
Reading material for the blind—Library of Congress-----	1,711	
Education in Federal correctional institutions 6/-----	1,691	
Canal Zone apprenticeship and training----	42	

1/ Includes National Science Foundation funds for research facilities in the Antarctic Research Program. (\$195,000).

2/ Pupil transportation reported for dependents of Navy personnel only.

3/ Naval Reserve Officer Training Corps included in this category because of obligation for Federal service.

4/ Data incomplete. Includes all projects in the field of education (\$46,002,000). Projects in other fields include training in labor and allied fields, aviation, and meteorology supported through transfer of funds to other agencies.

5/ Data not available on an annual basis.

6/ Amount reported is payments to educational institutions for training of inmates.

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

Table 79 .--Federal funds for education, by field of study:
Fiscal Years 1960 and 1961 ^{1/}

[In thousands of dollars]

Field of study	1960	1961 ^{2/}
Specific fields-----	\$1,169,824	\$1,193,687
Agricultural sciences-----	118,554	111,306
Biological sciences-----	96,788	123,803
Business-management-----	54,910	35,628
Clinical sciences-----	61,857	70,891
Education-----	107,048	103,720
Engineering-----	63,686	54,823
Humanities-----	60,693	52,110
Physical sciences-----	140,320	148,478
Social sciences-----	33,339	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, unpublished data.

Table 80 .--Summary of Federal obligations for research and development and R&D plant, fiscal years 1960, 1961, and 1962

[In millions of dollars]

Item	Actual	Estimates	
	1960	1961	1962 ^{1/}
1	2	3	4
Total obligations for research and development and R&D plant-----	\$8,078.0	\$9,844.5	\$10,518.2
Research and development-----	7,549.7	9,194.9	9,534.8
Total research-----	1,927.1	2,294.6	2,911.6
Basic research-----	741.2	969.0	1,416.1
Applied research-----	1,185.9	1,325.6	1,495.5
Development-----	5,430.8	6,700.6	6,418.5
Pay and allowances of military personnel in R&D-----	191.9	199.7	204.7
Performers of the Government's R&D:			
Domestic: ^{2/}			
Federal Government-----	1,825.9	2,064.0	2,166.6
Profit organizations, proper	4,231.8	5,361.8	5,461.9
Profit organization research centers-----	477.9	462.4	385.5
Educational institutions, proper-----	449.0	563.3	688.5
Educational institution research centers-----	333.8	401.0	468.0
Other nonprofit organizations, proper-----	113.9	152.6	177.0
Other nonprofit organization research centers-----	42.7	74.3	87.5
Other-----	13.3	14.2	15.7
Foreign-----	61.5	101.4	84.2
Total research, by field of science:			
Life sciences, total-----	515.0	674.7	769.0
Psychological sciences-----	38.2	41.8	50.4
Physical sciences, total-----	1,305.9	1,505.3	1,981.3
Social sciences-----	34.9	38.9	70.2
Other sciences-----	33.0	33.9	40.7
Basic research, by field of science:			
Life sciences, total-----	182.4	249.1	286.3
Psychological sciences-----	17.1	18.5	22.7
Physical sciences, total-----	533.4	690.6	1,091.8
Social sciences-----	8.1	10.7	15.1
Other sciences-----	.1	.2	.2

^{1/} Estimates are based on requested amounts included in The Budget, 1962; therefore, they do not reflect congressional action, which increased the total for research and development and R&D plant to \$10.8 billion.

^{2/} United States and territories.

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

SOURCE: National Science Foundation, Federal Funds for Science X: Fiscal Years 1960, 1961, and 1962.

Table 81. --Federal funds for Office of Education programs: 1950-51 to 1960-61

Program	Academic level 1/	Amount of Federal funds' by year (thousands of dollars)								
		1950-51	1952-53	1954-55	1956-57	1958-59	1959-60	1960-61		
1	2	3	4	5	6	7	8	9		
TOTAL-----		\$51,321	\$235,689	\$253,461	\$222,260	\$353,533	\$471,247	\$498,584		
Office administration-----	ES H A	2,879	5,149	3,506	4,871	8,229	10,347	11,478		
Civil defense education-----	ES H A	3/	3/	45	58	3/	417	800		
Cooperative research-----	H	3/	3/	3/	941	2,752	3,200	3,356		
Fellowships for the study of mentally retarded children-----	H	3/	3/	3/	3/	3/	985	993		
Morrill-Nelson and Bankhead-Jones funds for land-grant colleges-----	H	5,030	5,030	5,052	5,052	5,052	5,052	5,076		
National Defense Education Act of 1958: College student loans-----	H	3/	3/	3/	3/	3/	50,407	64,852		
Programs for guidance, counseling, and testing-----	ES	3/	3/	3/	3/	9,677	22,443	24,185		
Fellowships to prepare college teachers-----	H	3/	3/	3/	3/	5,294	12,300	18,831		
Improvement of statistical services of State educational agencies-----	ES H	3/	3/	3/	3/	367	827	1,300		
Language development-----	ES H	3/	3/	3/	3/	5,010	9,868	11,779		
Science, mathematics, and foreign language instruction-----	ES	3/	3/	3/	3/	50,630	45,849	27,733		
Loans to nonprofit private schools for science, mathematics, and foreign language instruction facilities-----	ES H	3/	3/	3/	3/	3/	394	651		
Utilization of new educational media-----	ES H A	3/	3/	3/	1,440	1,600	3,097	4,730		
Public library services for rural areas-----	ES H A	3/	3/	3/	3/	5,218	7,146	7,400		
School support in federally affected areas-----	ES H A	16,727	200,084	214,507	172,835	215,066	263,222	277,446		
Vocational education-----	ES H A	26,685	25,366	30,351	37,063	44,638	35,693	37,914		

1/ Academic levels: ES--Elementary-secondary; H--Higher Education; A--Adult Education.
 2/ Estimated.
 3/ Program not in operation.

SOURCE: U.S. Department of Health, Education, and Welfare, Office of Education, Federal Funds for Education; and unpublished data of the Office of Program and Legislative Planning.



Table 82.—Federal grants for education administered by the Office of Education, by program and by State: Fiscal year 1961

State	Land-grant colleges	Rural library services	Cooperative vocational education	Education for the retarded	Aid to federally affected areas		National Defense Education Act programs (includes loans)
					Operation of schools	Construction	
1	2	3	4	5	6	7	8
Total	\$7,276,500	\$7,414,221	\$39,797,725	\$813,683	\$207,639,466	\$59,248,637	143,151,688
Alabama	100,541	207,976	1,060,159	10,200	4,271,452	553,143	3,176,192
Alaska	71,263	49,191	105,652	8,867	6,027,885	1,009,446	119,293
Arizona	77,477	72,485	206,968	---	4,467,299	2,017,415	979,472
Arkansas	69,048	164,544	781,731	6,900	941,269	1,089,905	1,777,002
California	175,599	239,322	2,220,802	40,201	38,421,978	10,840,539	10,863,598
Colorado	83,218	88,084	352,908	46,237	4,109,054	597,201	2,307,922
Connecticut	90,023	74,755	361,692	11,900	2,080,633	880,920	2,095,321
Delaware	73,173	51,565	179,889	---	668,679	---	537,497
District of Columbia	---	---	33,253	---	---	---	2,024,183
Florida	97,644	133,235	686,592	16,300	5,158,192	1,302,701	2,455,962
Georgia	104,360	221,848	1,127,358	23,200	4,896,258	1,320,037	4,087,642
Hawaii	2,299,986	55,087	178,475	19,350	4,502,518	2,844,890	486,928
Idaho	75,872	75,211	234,186	11,667	1,434,199	246,120	793,075
Illinois	156,905	230,178	1,677,682	39,100	3,236,568	923,065	6,746,125
Indiana	109,245	60,341	970,816	---	1,058,263	664,119	3,660,520
Iowa	96,146	173,427	839,274	13,400	613,681	105,607	2,547,253
Kansas	89,006	75,902	568,505	19,700	4,971,963	1,036,504	2,488,719
Kentucky	99,375	221,203	1,041,638	4,900	1,128,988	3,200	2,605,408
Louisiana	96,769	158,010	914,629	15,850	752,209	228,409	877,784
Maine	79,115	83,021	231,864	5,100	1,912,536	429,420	1,882,608
Maryland	93,372	170,000	437,682	---	9,675,878	4,133,343	4,613,300
Massachusetts	116,789	86,000	724,413	10,600	6,374,190	812,196	7,376,668
Michigan	133,559	214,865	1,402,973	36,350	1,506,464	1,977,564	3,962,145
Minnesota	99,751	165,888	914,683	25,335	404,565	205,198	1,412,068
Mississippi	91,735	191,340	908,750	---	1,245,006	945,015	3,137,778
Missouri	109,448	185,931	1,120,192	11,000	2,528,243	498,417	689,900
Montana	75,856	72,427	208,602	12,200	1,503,335	1,358,726	---



Nebraska	83,222	108,519	442,032	5,700	2,172,308	914,137	1,589,192
Nevada	71,597	50,395	181,991	9,800	1,097,453	406,353	285,547
New Hampshire	75,319	62,087	177,221	---	1,178,899	189,228	651,722
New Jersey	118,233	103,153	843,663	17,550	3,746,583	1,247,677	3,098,183
New Mexico	76,795	73,042	230,956	15,468	4,835,049	3,394,298	1,065,682
New York	217,934	249,152	2,558,404	78,950	6,312,333	1,017,762	1,198,405
North Carolina	110,518	302,331	1,428,296	14,800	2,191,067	894,605	4,189,771
North Dakota	76,181	126,436	292,424	4,900	459,215	743,802	848,674
Ohio	149,269	270,635	1,757,073	27,035	4,745,439	1,089,004	7,073,620
Oklahoma	92,278	134,239	659,456	---	6,706,965	1,878,773	3,137,642
Oregon	85,176	127,216	405,819	13,567	911,528	370,019	1,832,116
Pennsylvania	174,720	341,396	2,186,230	53,487	5,331,967	12,880	7,932,491
Rhode Island	77,899	59,769	158,947	20,800	1,791,449	169,625	1,299,715
South Carolina	91,118	196,082	748,627	---	3,194,900	708,281	1,307,167
South Dakota	76,511	82,462	297,070	6,100	1,841,529	833,963	792,512
Tennessee	102,835	219,097	1,126,373	35,969	2,177,207	192,931	2,611,165
Texas	146,921	285,264	1,966,395	34,000	11,169,323	3,244,827	5,137,009
Utah	76,872	63,275	192,098	10,600	1,689,799	602,041	776,342
Vermont	73,768	63,385	187,029	---	73,482	---	471,766
Virginia	103,104	211,253	1,017,822	9,400	13,413,010	4,120,655	1,170,712
Washington	93,731	125,287	589,355	13,400	8,497,218	543,556	2,670,445
West Virginia	90,006	167,674	644,330	10,200	107,701	13,884	1,271,776
Wisconsin	104,260	180,736	989,756	34,000	725,151	198,110	3,241,454
Wyoming	72,898	54,209	168,334	10,400	668,243	274,987	283,895
Puerto Rico	50,000	209,077	839,621	---	---	---	1,125,711
Virgin Islands	---	11,079	49,292	---	83,131	---	56,176
Guam	---	15,495	72,342	---	602,140	204,139	79,896
Wake Island	---	---	105,401	---	---	---	---
Undistributed	---	---	---	---	8,468,858	---	42,521

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

Source: U.S. Department of Health, Education, and Welfare, Facts and Figures.



Notes for Federal grants for education administered by
the Office of Education:

(Numbers in parentheses refer to column numbers in preceding table.)

(2) Land-grant colleges

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 \$2,501,500, each State receives a minimum of \$20,000, with the rest divided on the basis of population. The Hawaii Omnibus Act, P.L. 86-624, authorized an appropriation to Hawaii in lieu of a land grant for the support of the college of agriculture and the mechanic arts of the State. An appropriation of \$2,225,000 was made available in 1961.

(3) Rural library services

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

(4) Cooperative vocational education

Grants for traditional programs in cooperative vocational education (including home economics, trade and industrial education, practical nurse training, vocational agriculture courses, and distributive education) are allotted to States on a dollar for dollar matching basis. A second appropriation for vocational education for defense is provided under the National Defense Education Act and is included in the total in col. 8. This new vocational program includes courses in electronics, mechanical drafting and design, instrumentation, engineering aids, industrial chemistry, data programming, and metallurgy.

(5) Education for the retarded

Under a new program to find and train teachers for the mentally retarded, payments totaling \$813,683

went to States and individuals in fiscal 1961. It made possible the provision of fellowships to institutions of higher education and to State educational agencies for training teachers and supervisors. All but 4 States participated in the first year of the program.

(6 and 7) Aid to federally affected areas

In the period 1951-61, the program of grants to federally affected areas aided in construction of 53,350 classrooms housing about 1.6 million students.

(8) National Defense Education Act Programs

Under the National Defense Education Act, enacted 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 \$143,151,688 total in col. 8 is the sum of all funds distributed in the fiscal year 1961 for these programs. Its principal divisions follow:

\$57,942,432 in grants to public institutions of higher learning and in loans to private nonprofit schools for use in establishing student loan funds. An Office of Education publication, "The National Defense Student Loan Program," lists by States all institutions participating in the student loan fund program.

Selected Data on Programs Administered under the National Defense Education Act of 1958

Program	Actual 1961 Program	Preliminary 1962 Program
<u>Title II, Student Loans:</u>		
(a) Contributions to loan funds	1,410 institutions and 151,115 student borrowers	1,452 institutions and 190,000 student borrowers
(b) Loans to educational institutions	58 loans	84 loans (est.)
<u>Title III, Science, Mathematics, and Foreign Language Instruction:</u>		
(a) Acquisition of equipment and minor remodeling:		
(1) Grants to States	53 States and Possessions and 9,000 approved projects	52 States and Possessions and estimated 30,000 projects completed or in process
(2) Loans to nonprofit private schools	46 loans approved	46 loans approved (est.)
(b) Grants to States for supervision and administration	46 States and Possessions	50 States and Possessions
<u>Title IV, National Defense Fellowships:</u> ✓	1,500 fellowships and continuation of 1,000 fellowships awarded in 1959 and 1,500 in 1960	1,500 fellowships and continuation of 1,500 fellowships awarded in 1960 and 1,500 in 1961
<u>Title V, Guidance, Counseling and Testing:</u>		
(a) Grants to States	54 States and Possessions and 7,000,000 tests were administered to secondary school children	53 States and Possessions; additional 6.5 million tests are estimated to be administered to secondary school children
(b) Institutes for Counseling Personnel	76 short-term institutes, 2564 trainees; 17 regular session institutes, 564 trainees	66 short-term institutes, 1,980 trainees; 21 regular session institutes, 630 trainees

✓ 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.



Program

Actual 1961 Program

Preliminary 1962 Program

Title VI, Advanced Training in Foreign Areas and Languages:
 (a) Language and area centers
 (b) Language fellowships
 (c) Research and studies
 (d) Institutes for language teachers

47 centers in operation
 769 fellowships
 46 contracts negotiated in 1961
 68 summer institutes, 3,701 trainees; 7 regular institutes, 175 trainees

52 centers in operation
 1,050 fellowships
 42 contracts (est.)

80 summer institutes, 4,368 trainees; 5 regular institutes, 119 trainees

Title VII, Educational Media Research

23 research grants approved and 13 dissemination contracts approved

83 research grants and 31 dissemination contracts

Title VIII, Grants to States for Area Vocational Programs

51 States and Possessions; 122,952 students participated

53 States and Possessions; students participating estimated 150,000

Title X, Grants to States for Statistical Services

53 States and Possessions had approved State plans; 46 participated

53 States and Possessions have approved State plans; 46 participated

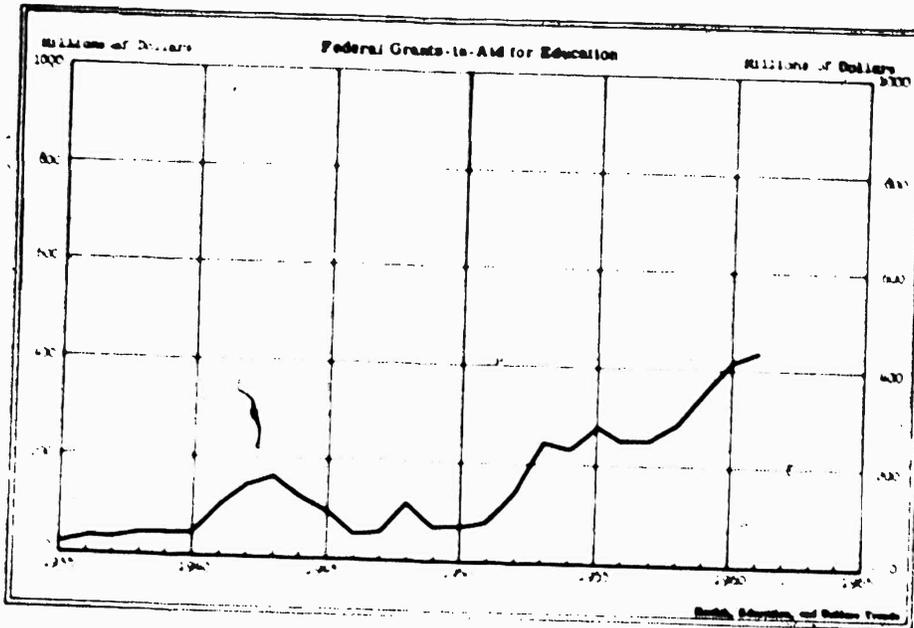
Based upon authority to make substitutions for resignations.

Source: U. S. Department of Health, Education, and Welfare, Handbook on Programs of the Department of Health, Education, and Welfare, 1962 edition; also unpublished data in files of Office of Education.

Figure 5 . —

Federal grants-in-aid for education to State and local governments
1935-1961

Federal grants-in-aid to State and local governments for education totaled \$436 million in the fiscal year 1961. Of this total, \$267 million was for the financing of school construction and the maintenance and operation of schools in areas affected by Federal installations and projects. Other Federal grants for education in FY 1961 included \$50 million for activities under the National Defense Education Act (excluding grants to institutions and individuals), \$63 million for cooperative agricultural extension work, and \$40 million for vocational education.

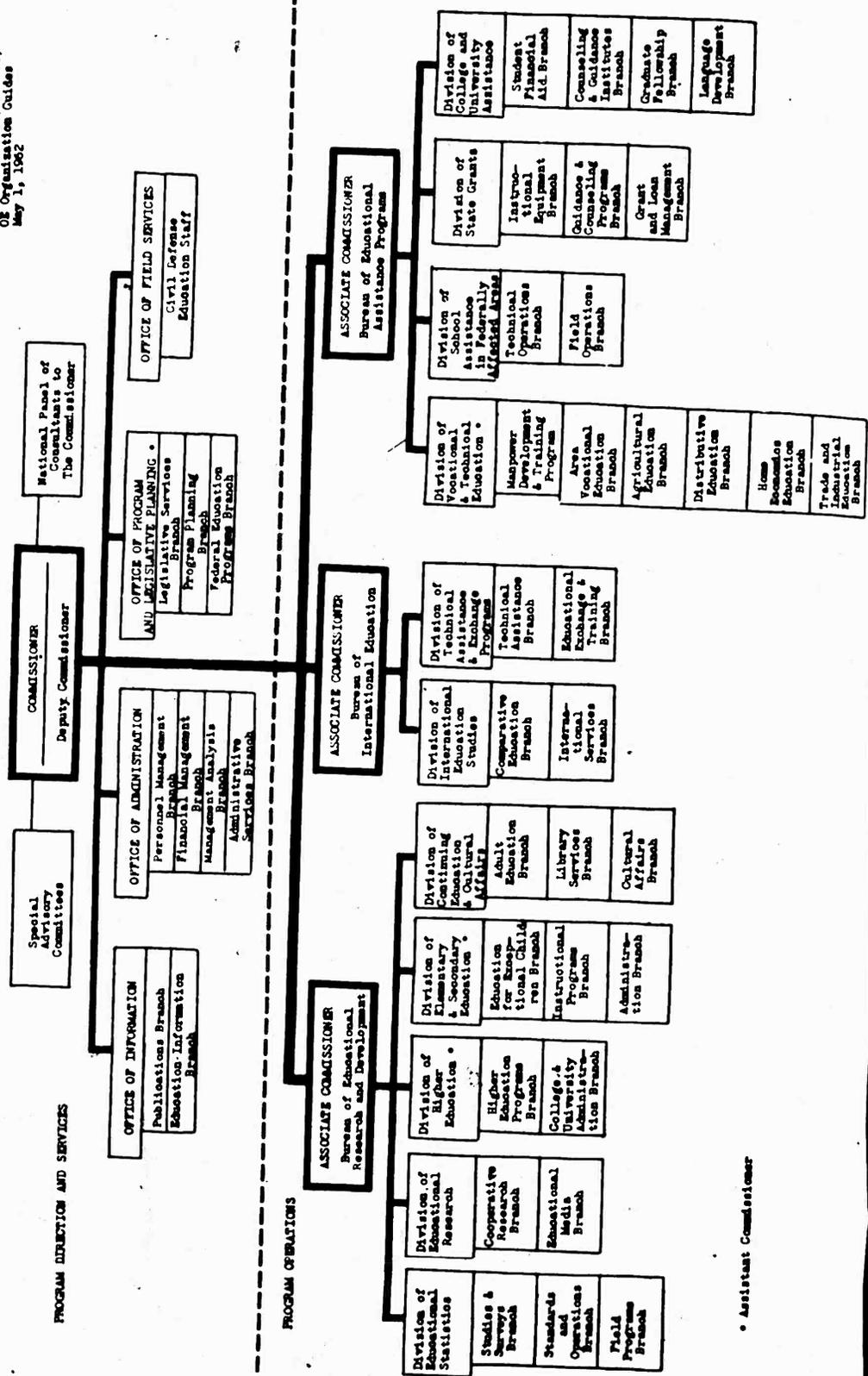


SOURCE: U. S. Department of Health, Education, and Welfare; Social Security Administration; June issue of the Social Security Bulletin. U. S. Department of the Treasury; Annual Report of the Secretary of the Treasury; Combined Statement of Receipts, Expenditures and Balances of the United States Government. This tabulation of funds made available to State and local governments under Federal grant-in-aid programs was prepared on a "checks issued" basis from reports of the administering agencies. The term "grant-in-aid" is here confined to Federal funds made available for cooperative Federal-State or Federal-local programs administered at the State and/or local level and for those programs in which the bulk of the funds is channeled through agencies of State and local governments. Emergency grants and the value of grants-in-kind are included when they conform to this definition. Federal aid granted directly to individuals and private institutions and reimbursements to State and local governments for expenses incurred by them as agents of the Federal government in administering programs primarily national in character have been excluded. Federal payments in lieu of taxes and shared revenues also have been excluded.

APPENDIX

Figure 6.-- Organization of United States Office of Education, 1962

Source: Appendix No. 1 (Revised) of Organization Guides May 1, 1962



• Assistant Commissioner

Appendix
Functions and Structure of the 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 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, three Assistant 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 all 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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