

THE SCHOOL BUILDING SITUATION AND NEEDS

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FOREWORD

The present study of school building construction and school building needs was made at the request of school building experts from all parts of the country who urged the need of detailed data by cities as well as by counties and States, as to the types of schools for which buildings had been constructed during the past 3 years, the kinds of facilities provided in them, and the costs for the different types. It was decided to secure the data direct from the superintendents of schools in cities of 10,000 population and over, and from State superintendents of public instruction. It is gratifying to report that the replies received covered more than two-thirds of the cities of 10,000 population and over, which contained 69 percent of the total population in cities of this group. Replies were also received from nearly half the State departments of education. We wish to take this opportunity to express our appreciation of the fine spirit of cooperation shown by the State and city school superintendents in taking the trouble to answer this questionnaire.

The results of this study on school building construction and school building needs should be of interest not only to school superintendents and educators generally, but to all those interested in long-range planning for community needs.

Two conclusions to which the study points are worthy of particular consideration: First, that school housing is vitally important from an educational and social as well as from a constructional standpoint because a school building program can be the lever by means of which a school system reorganizes along modern progressive lines; and second, that school buildings should be constructed only where needed, and that such need cannot be determined except on the basis of comprehensive long-range surveys which take into consideration population trends, economic and social trends, and the educational program needed for the children, youth, and adults of a given community.

BESS GOODYKOONTZ,
Assistant Commissioner of Education.

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THE SCHOOL BUILDING SITUATION AND NEEDS

CHAPTER I: GENERAL STATEMENT OF THE SCHOOL BUILDING SITUATION

School building construction in the United States can be divided into four main periods: The pre-World War period, the World War period, the post-World War period, and the depression period.

During the pre-World War period there was little or no scientific schoolhouse planning. The majority of buildings constructed at that time are now obsolescent from the standpoint both of educational needs and of modern school building construction.

In the World War period, 1914-22, the average capital outlay per year was \$116,934,893, or \$5.71 per pupil. Thousands of children were on part-time and double sessions, and thousands were housed in old, inadequate, insanitary buildings.

During the period following the war, 1922-28, appropriations for school buildings increased in an attempt to make up for the lag in construction created by the war. The average amount of capital outlay per year was \$372,111,009, or \$15.27 per pupil.

But the depression came before the schools had been able to make up for the lag in construction during the war, and again capital outlay for schools suffered drastic cuts. In the year 1930 the average per pupil expenditure fell to \$14.44; in 1932 to \$8.03; and in 1934 to \$2.24.¹

PWA AIDS SCHOOL BUILDING CONSTRUCTION

From December 1933 to December 1936, the Public Works Administration allotted \$244,976,114 in grants and loans for public-school buildings, the total estimated cost of which is \$469,005,001.² In other words, the Public Works Administration, during those 3 years, allotted \$81,658,703 per year in grants and loans for school-building construction, thus helping to make available \$156,335,033 per year for school building construction.

Yet superintendents of schools in 62.3 percent of the cities of 10,000 population and over estimate that an additional \$496,745,782 is needed for school buildings. These cities contain 69.9 percent of the total population of all cities of 10,000 population and over. State departments of education in seven States estimate that \$220,000,000 is

¹ See Appendix, table 1.

² Public Works Administration Aids to Education. United States Government Printing Office, Washington, D. C., 1937. P. 12.

needed for school building construction in places with a population under 10,000.³

WHY DO THE PUBLIC SCHOOLS REPORT NEED OF ADDITIONAL FUNDS FOR SCHOOL BUILDINGS?

The question naturally arises as to why public-school officials report that they need additional funds for school building construction when approximately \$156,000,000 has been made available each year since December 1933. Some of the reasons are as follows:

School building construction still in arrears.—As will be seen from chart I, the PWA grants and loans for school buildings, helpful as they were, did not begin to restore appropriations for school buildings to the predepression level which, in turn, was not sufficient to make up for the effects of the war on school building construction.

Enrollment increases.—In the meantime, the average yearly enrollment increased from 20,484,325 in the war period (1914-20) to 26,129,216 in the period from 1930 to 1934.⁴ This is an increase of 27.5 percent in average yearly enrollment during the period when capital outlay reached the low figure of \$2.24 per pupil.

The larger part of this increased enrollment was in the high-schools where the average number enrolled per year in the period 1930-34 was 178.6 percent greater than in the period 1914-20.⁴ (See chart II.) The present high-school plant in the country as a whole is inadequate to meet this unprecedented increase in enrollment.

Modern times demand modern schools.—Although there was not such an increase in the elementary schools, the need for school building construction for elementary pupils is just as pressing. It is sometimes stated that because of the decrease in elementary school enrollment, school building construction is not important for elementary schools. This is not true. Although there was a slight decrease in elementary school enrollment in 1934 as compared with 1932, this decrease is offset from the school building standpoint by the fact that the larger part of the elementary school plant needs modernization. Many elementary school children are still housed in 1-room schools which need to be eliminated and supplanted by centralized school plants with modern equipment.⁵ Many elementary schools, even of 8 or 12 rooms, do not come up to modern standards of heating, ventilating, lighting, and sanitation.

Furthermore, because of the complex conditions of modern life it is necessary for the school to give children in the elementary grades a much richer and more varied educational program than formerly in

³ Data received from questionnaires sent to superintendents of schools in cities of 10,000 population and over and to State superintendents of public instruction, January 1937. The remaining State departments of education that replied to the questionnaire reported that they could not give accurate estimates of school building needs because they had not had the funds to make State school building surveys. (See ch. II, tables 3 and 14.)

⁴ See Appendix, table 2.

CAPITAL OUTLAY FOR SCHOOL BUILDING DWINDLES

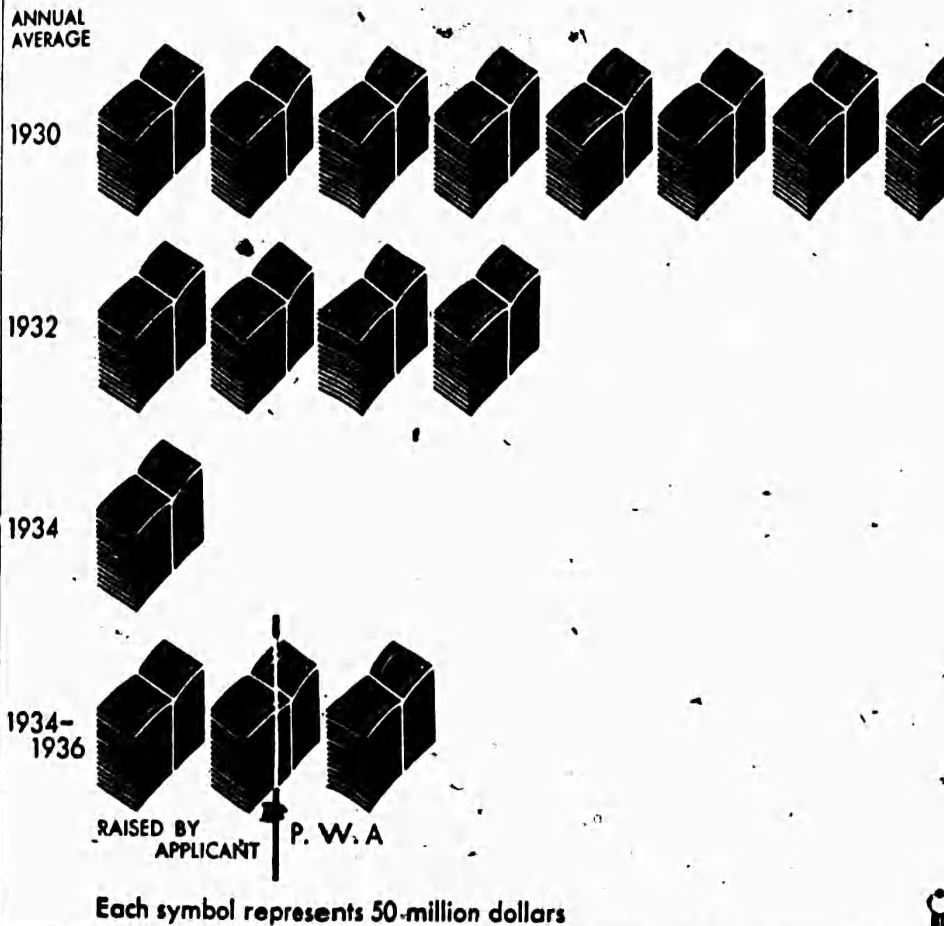


CHART I

order that they may develop the intelligence and resourcefulness to meet the conditions of a changing civilization. It is now recognized that elementary schools as well as high schools should provide opportunities for work in science, art, music, nature study, shopwork, and facilities for play and recreation, dramatics, and motion pictures. (See chart III.) But the average elementary school building in the country was not constructed for such a curriculum. For example, the result of the study described later in this report showed that 39.3 percent of all school buildings in 506 cities of 10,000 population and over are more than 30 years old. (See chart IV.) The majority of buildings erected more than 30 years ago did not contain modern auditoriums with a good stage, sloping floor, and good acoustical

qualities. Nor did they have gymnasiums with showers, lockers, and dressing rooms, and it was the exceptional elementary school which provided rooms and equipment for nature study, shopwork, art, and music. In other words, it may be said that as a general rule, buildings erected more than 30 years ago are obsolescent from both an educational and constructional standpoint.

The school must provide for youth and adults.—In addition to the pupils in elementary and high schools, there is another group which the public school must provide for and that is the army of boys and girls 18 to 21 years of age who are neither in colleges or universities, nor in CCC camps, nor at work. Regardless of whether or not the economic situation improves, it is clear that technological advances, and the resulting decrease in the number of workers required in industry, is going to make it necessary for the public schools to provide either full-time or part-time education and recreational opportunities for a large proportion of boys and girls, between 18 and 21 years of age, who are neither in school nor at work. School buildings must be equipped for this purpose.

The schools must also provide opportunities for adults for re-education in new lines of work, made necessary by industrial changes; for recreation during their leisure time; and for civic and community activities. The activities for adults can be carried on in the evenings in the modern type of high school or elementary school, but many buildings need to be modernized in order to provide these activities.

CHAPTER II: SCHOOL BUILDING CONSTRUCTION AND SCHOOL BUILDING NEEDS

The facts in the previous chapter describe the general situation in the country in regard to school buildings. But in order to get a more detailed picture, the National Advisory Council on School Building Problems¹ asked the Office of Education to send a questionnaire to State superintendents of public instruction and to superintendents of schools in cities of 10,000 population and over in order (1) to get data on school building construction carried on with the aid of PWA grants and loans² and (2) to secure estimates of school building needs as of 1937.

In response to this request, the Office of Education sent out a questionnaire in 1937. State superintendents of public instruction were asked to give the following information in regard to all places under 10,000 population in their States, and city superintendents were asked for the same information in regard to cities of 10,000 population and over: (1) The number of new buildings erected or being constructed with PWA aid *according to the type of school* (elementary, junior high school, senior high school, combined elementary and high school, vocational and trade schools, junior colleges, and other types); (2) the number of rooms, auditoriums, gymnasiums and libraries in the new buildings for each type of school; (3) the cost of new buildings for each type of school and the amount of PWA aid; (4) the same data as in 1, 2, and 3, for additions to existing buildings; (5) the same data for school buildings for which grants, loans, or grants and loans have been requested but for which grants had not yet been allocated; (6) the total estimated cost of school building construction for all types of buildings for which PWA grants and loans had been made to the cities and States to which the questionnaire was sent.

In addition, data were requested in regard to (1) the total number of school buildings in each city of 10,000 population and over, and in

¹ The National Advisory Council on School Building Problems consists of 250 school superintendents and architects who have specialized on school building problems. The Council is national in scope and is organized into 11 regional councils. It was appointed by the Commissioner of Education 8 years ago at the request of State superintendents of public instruction to serve in an advisory capacity to the Office of Education in regard to school building problems. (See Appendix for list of officers and executive committee.)

² The school building experts on the Advisory Council were interested in obtaining, among other things: (1) Data on school building construction with PWA aid in terms of the cities in each State as well as for the counties and States as a whole, and (2) detailed data as to the types of schools for which buildings were constructed and the facilities provided in them. This material was available in the files of the PWA, but it was found that it would be a time-consuming and costly process to tabulate it. Therefore, it was decided to secure direct from the superintendents of schools the data desired, together with their estimates of school building needs.

places under 10,000 population; (2) the number of buildings which were more than 30 years old; and (3) the estimated cost of school building construction needed at the present time to provide adequate school building accommodations for all pupils in each city of 10,000 population and over and in places under 10,000 population.

RAPID GROWTH IN PUBLIC HIGH SCHOOL ENROLLMENT

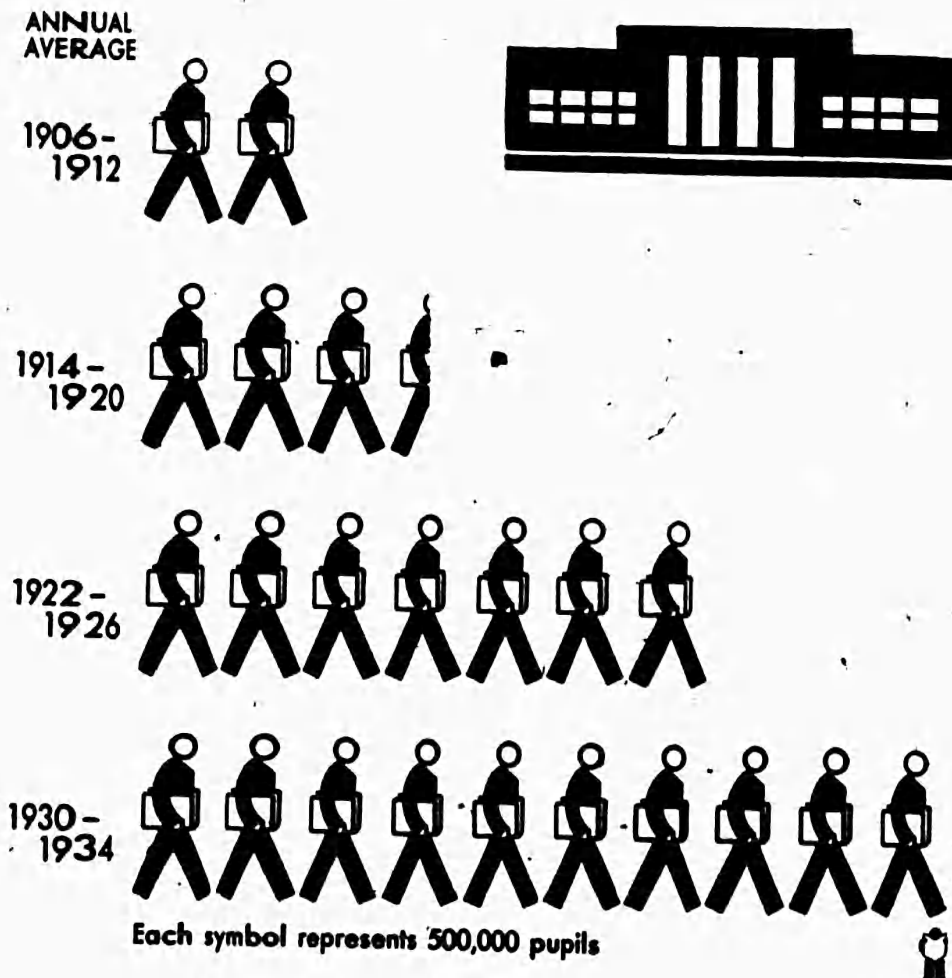


CHART II

Replies were received from 612 of the 982 cities of 10,000 population and over, or 62.3 percent of the total. Furthermore, these 612 cities contain nearly 70 percent of the total population of cities of this group. Cities of all sizes within the group were represented. For example, 53 percent of all cities of 100,000 population and over replied to the questionnaire; 68 percent of cities of 25,000 to 100,000 population; and 60.7 percent of cities of 10,000 to 25,000 population.³

³ Appendix, tables 3 and 4.

Replies were received from only 20 of the 48 State departments of education, and only 7 State departments of education gave estimates of school building needs. This is not surprising when it is remembered that only 20 State departments have school building divisions, and even some of these have insufficient resources to collect complete data on school buildings and to give extensive technical service to local communities. In addition, the majority of school building divisions in State departments of education have not the power to require adoption of their recommendations. The importance of these facts in relation to an adequate school-housing program will be discussed later in this report.

THE SCHOOL BUILDING SITUATION IN CITIES OF 10,000 POPULATION AND OVER

Before describing the returns from the cities of 10,000 population and over, it should be explained that the returns have been tabulated not only by States but by regions. The reason for the regional grouping is that the National Advisory Council on School Building Problems is made up of 11 regional councils. These regions correspond to the regions of the American Institute of Architects with two exceptions, that is, one of the Middle West regions was divided by the National Advisory Council into the "Central" and "North-Central" regions, and one of the Western regions was divided into the "Rocky Mountain" and "Northwestern" regions. The membership of each regional council consists of State superintendents in the States in each region, three city superintendents, one county superintendent, one school board member, the regional director of the American Institute of Architects, directors of school building divisions in city school systems and State departments of education in the States included in each region, and advisory architects recommended for appointment by the regional director of the American Institute of Architects. These regional councils hold conferences once a year for consideration of school building problems. The chairmen of the 11 regional councils assisted in working out the questionnaire on school building needs and are responsible for reporting the results of the study to their several regional councils. Therefore, it was important to tabulate the returns by States within the Advisory Council's regions. However, even if there had been no such reason for this regional grouping, it would have been desirable for experience has proved that each of these 11 regions is in most cases fairly homogeneous in character from the standpoint of factors that affect school building problems, and consequently the regional grouping has significance.

40 PERCENT OF ALL CITIES REPLYING HAD CONSTRUCTED SCHOOL BUILDINGS WITH PWA AID

Of the 612 cities replying to the questionnaire, 246, or 40.2 percent, had constructed school buildings with PWA aid, and 366 cities, or 59.8 percent of those replying had not constructed school buildings with PWA aid.⁴

Although the 246 cities which constructed school buildings with PWA aid were only 25 percent of the total number of cities of 10,000 population and over, yet these cities contain 49 percent of the population in cities of this group. There were 366 cities, or 37.3 percent of all cities of this population group, which stated that they had not constructed school buildings with PWA aid. These cities contain 20.9 percent of the total population of cities of 10,000 population and over.

There were 370 cities of 10,000 population and over which did not reply to the questionnaire, and therefore it is not known whether or not they had constructed school buildings.⁵ These cities contain 30.1 percent of the total population in cities of this group.

When the number and percent of cities which replied to the questionnaire and which had constructed school buildings with PWA aid is considered by regions, it is found that in the Sierra Nevada region, which includes Arizona, California, and Nevada, 60 percent of all the cities had constructed school buildings with PWA aid. These cities contained 76.8 percent of the total population in cities replying. In the Central States region, including Kansas, Missouri, Oklahoma, and Texas, 59.5 percent of the total cities replying had constructed school buildings with PWA aid.

In the South Atlantic region, which includes Alabama, Florida, Georgia, North Carolina, South Carolina, and Virginia, 52.5 percent of all cities reporting had constructed school buildings with PWA aid. These cities contain 48.6 percent of the population of the cities replying. In the New York region, which contains only New York State, 30.2 percent of all cities reporting had constructed school buildings with PWA aid. These cities contain 87.5 percent of the total population of the cities replying. The region in which the smallest percentage of cities reporting had constructed school buildings with PWA aid was the Rocky Mountain region which includes Colorado, New Mexico, Utah, and Wyoming. In these States, 2 of the 12 cities reporting, or 16.7 percent, containing 7 percent of the total population in the cities replying, carried on school building construction with PWA aid.⁶

⁴ See Appendix, table 5.

⁵ See Appendix, table 6.

⁶ See Appendix, table 5.

NUMBER AND COST OF NEW BUILDINGS AND ADDITIONS FOR SCHOOLS OF VARIOUS TYPES¹

In the 246 cities which constructed buildings with PWA aid, 722 new buildings and additions were erected or being constructed. Some of these cities had new buildings only, others additions only, and others both new buildings and additions.

Elementary school buildings.—Of the total 722 new buildings and additions, 399, or over one-half, were elementary school buildings. This would seem to support the statement made earlier in this report that, in spite of the fact that the elementary school enrollment is not increasing, there is a pressing need for new elementary school buildings and additions to provide modern facilities for the masses of children in the elementary grades. An examination of the facilities included in these buildings supports this point. For example, in these 399 new elementary buildings and additions, there were 145 auditoriums, 74 gymnasiums, 47 auditorium-gymnasiums, and 80 libraries. The number of rooms in the buildings was 4,083. At 40 pupils per class, that would give a capacity for 163,320 pupils on a minimum basis.

The total estimated cost of the 399 new elementary school buildings and additions was \$45,631,377. Of this amount, \$18,386,595 was in PWA grants, and \$5,050,354 in PWA loans, a total of \$23,436,949.

Of the 399 buildings and additions, 186 were new buildings with 2,777 rooms, 83 auditoriums, 48 gymnasiums, 25 auditorium-gymnasiums, and 50 libraries. The total estimated cost was \$29,946,477, or \$13,152 per room. This cost per room covers the cost of the auditoriums, gymnasiums, offices, corridors, etc. There were 213 additions to existing buildings with 1,806 rooms, 62 auditoriums, 26 gymnasiums, 22 auditorium-gymnasiums, and 30 libraries. The total estimated cost was \$15,684,900.

Junior high-school buildings.—There were 82 junior high-school buildings of which 44 were new buildings and 38 were additions. In these 44 new buildings there were 1,253 rooms, 28 auditoriums, 33 gymnasiums, 5 auditorium-gymnasiums, and 30 libraries. The total estimated cost was \$21,247,183, of which \$8,282,600 was in PWA grants and loans. The estimated cost per room was \$16,957. In the 38 additions, there were 444 rooms, 12 auditoriums, and 21 gymnasiums. The total estimated cost was \$6,957,283, of which \$2,314,844 was in PWA grants and loans.

Senior high-school buildings.—There were 120 senior high-school buildings of which 69 were new buildings and 51 were additions. In these 69 new buildings, there were 2,804 rooms, 49 auditoriums, 77 gymnasiums, 3 auditorium-gymnasiums, and 50 libraries. The total

¹ See Appendix, tables 7, 8, 9, 10, and 11.

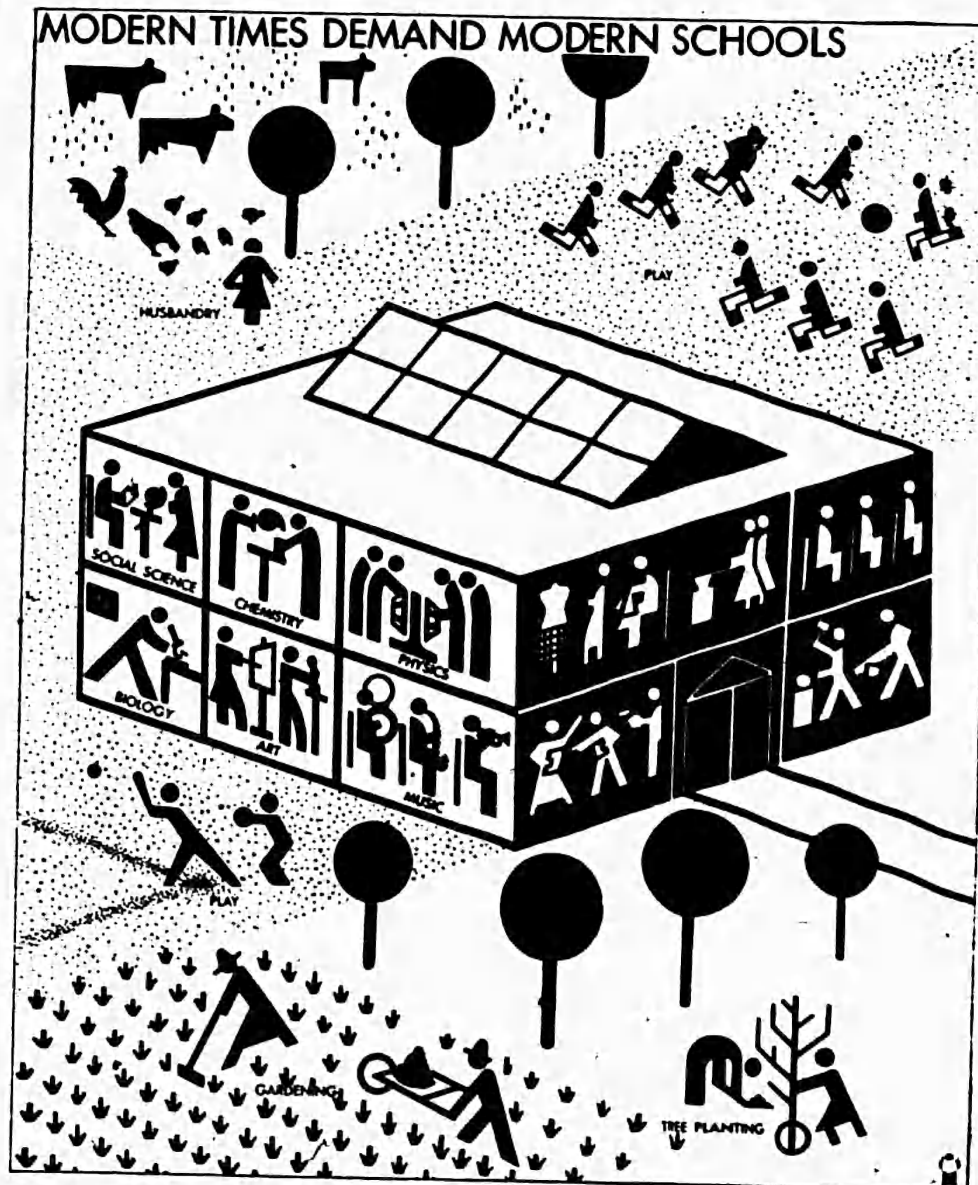


CHART III

estimated cost was \$49,947,239, of which \$32,428,623 was in PWA grants and loans. The estimated cost per room was \$17,813. In the 51 additions, there were 560 rooms, 18 auditoriums, 25 gymnasiums, 2 auditorium-gymnasiums, and 15 libraries. The total estimated cost was \$9,590,481, of which \$4,190,752 was in PWA grants and loans.

Junior-senior high-school buildings.—Of the 36 junior-senior high-school buildings, 14 were new buildings and 22 were additions. In the new buildings, there were 317 rooms, 8 auditoriums, 12 gymnasiums, and 7 libraries. The total estimated cost was \$3,743,637, of which the PWA grants and loans amounted to \$2,176,551. The cost per room was \$11,179. In the 22 additions, there were 25 rooms, 6 auditoriums, 7 gymnasiums, and 8 libraries. The total estimated

cost was \$3,966,488, of which PWA grants and loans amounted to \$1,615,906.

Combined elementary and junior high-school buildings.—There were 19 combined elementary and high-school buildings. Six of these were new buildings, one of which consisted of a gymnasium only. There were 13 additions. The 5 new buildings, exclusive of the single gymnasium building, contained 157 rooms, 4 auditoriums, 6 gymnasiums, and 5 libraries. The total estimated cost was \$1,670,216, of which the PWA grants and loans amounted to \$616,207. The cost per room was \$10,638. The 13 additions contained 108 rooms, 5 auditoriums, 4 gymnasiums, and 5 libraries. The total estimated cost was \$1,522,030, of which the PWA grants and loans amounted to \$720,858.

It is an interesting fact that in both the junior-senior and the combined elementary and high-school buildings the cost per room in new buildings was considerably less than for either the separate junior high or the separate senior high-school buildings.

Vocational and trade-school buildings.—Of the total 722 buildings, 18 were vocational and trade-school buildings, of which 12 were new buildings and 6 were additions. Of the 12 new buildings, 1 consisted of an auditorium-gymnasium, and 1 contained only an auditorium and a gymnasium. In the remaining 10 buildings there were 375 rooms, 4 auditoriums, 7 gymnasiums, and 5 libraries. The total cost of these buildings was \$8,639,855, of which the PWA grants and loans amounted to \$4,750,112. The cost per room was \$23,040. The two buildings containing only auditoriums and gymnasiums cost \$2,042,425.

Junior colleges.—There were 17 junior colleges, of which 16 were new buildings and 1 was an addition. The new buildings contained 427 rooms, 7 auditoriums, 6 gymnasiums, and 6 libraries. The total estimated cost was \$2,987,581, of which the PWA grants and loans amounted to \$1,086,279. The cost per room was approximately \$6,996. No information was given as to whether these new buildings were erected as adjuncts to existing high-school plants but, judging by the cost per room, it would seem probable that this was the case.

In addition to the above 7 types of buildings, there were 31 buildings which have been grouped under the term "miscellaneous." These buildings included athletic stadiums, field houses and stadiums, trade schools, prevocational buildings, household arts buildings, garage, buildings for industrial arts, bandroom and gymnasium, an administration building, and buildings for handicapped children. The total estimated cost of these various buildings was \$3,306,107, of which the PWA grants and loans amounted to \$1,317,207.

To sum up: In the 722 buildings erected or being constructed in 246 cities with PWA aid, there were 11,034 rooms of which 7,740 were in new buildings, and 3,294 were in additions. These buildings contained

293 auditoriums, 284 gymnasiums, 60 auditorium-gymnasiums, and 227 libraries. The total estimated cost was \$162,547,743. Of this amount, \$60,739,513 were in PWA grants and \$23,884,867 in PWA loans, making a total of \$84,624,380.

Table 8 in the Appendix gives the foregoing data for each State and region. Table 9 shows the number of buildings of each type erected in each State, and tables 10 and 11 give the cost per room in new buildings erected with PWA aid by regions as well as by types of schools. It should be remembered that the cost per room includes the cost of the auditorium, gymnasium, library, administrative offices, toilets, corridors, etc.

39 PERCENT OF SCHOOL BUILDINGS IN CITIES ARE MORE THAN 30 YEARS OLD

Of the 612 cities replying to the questionnaire, 506 cities reported that they had a total of 9,497 school buildings of which 3,737, or 39.3 percent, were more than 30 years old. Of the cities that had not constructed school buildings with PWA aid, 285 reported that of 3,485 buildings, 1,443, or 41.4 percent, were more than 30 years old. Of the cities that had constructed school buildings with PWA aid, 221 cities reported that of 6,012 buildings, 2,294, or 38.2 percent, were more than 30 years old.⁸

When these facts are considered according to regions, it is found that the regions having the largest percentage of buildings more than 30 years old were the New England region, 57.8 percent; Rocky Mountain region, 54.5 percent; New York region, 49.6 percent; Middle Atlantic region, 47.5 percent; North Central region, 43.1 percent. The regions reporting the lowest percentage of buildings over 30 years old were the Sierra Nevada region, 9.3 percent, and the Central States region, 14 percent.⁹

As was pointed out earlier in this report, school buildings which are more than 30 years old are, as a general rule, obsolescent from both an educational and construction standpoint. The fact that nearly 40 percent of all school buildings in 506 cities of 10,000 population and over are more than 30 years old goes far in explaining the estimates of needed school building construction as given by city school superintendents.

*ESTIMATED COST OF SCHOOL BUILDING CONSTRUCTION NEEDED*¹⁰

The last question asked in the questionnaire was: "What do you estimate is the total amount of money needed in your community at

⁸ See Appendix, table 12.

⁹ See Appendix, table 13.

¹⁰ See Appendix, table 14.

the present time to provide adequate school building accommodations for all the pupils in your community?"

Replies were received from 383 cities, or 62 percent of the total cities replying to the questionnaire, and 39 percent of all cities of 10,000 population and over. The fact that the other cities did not give estimates does not necessarily mean that there was no need for building construction. Superintendents are loath to give such estimates except on the basis of surveys of need and, in many cases, funds have not been available during the past 4 years for such surveys.

Of the 383 cities replying, 173 were in cities which had constructed school buildings with PWA aid and 210 were in cities which had not constructed school buildings with PWA aid.

The total estimated cost of needed school-building construction as of January 1937, for the 173 cities was \$371,045,722, and for the 210 cities the estimated cost was \$125,700,060. This makes a total estimated cost of \$496,745,782 for school building construction needed in January 1937, in 383 cities of 10,000 population and over in order to provide adequate school accommodations for the children in those cities.

The estimated cost of needed school-building construction by some of the States was as follows: New York, for 27 cities, \$225,906,547; California, for 24 cities, \$38,393,197; Pennsylvania, for 37 cities, \$31,470,060; Michigan, for 24 cities, \$29,924,389; New Jersey, for 27 cities, \$23,213,520; Indiana, 13 cities, \$15,766,040; Wisconsin, 14 cities, \$13,831,000; Maryland (Baltimore), \$10,000,000.

SCHOOL BUILDING SITUATION IN PLACES UNDER 10,000 POPULATION AS REPORTED BY STATE DEPARTMENTS OF EDUCATION

As has already been stated, State departments of education were asked to answer the questionnaire for places under 10,000 population in their States. The returns were meager because of the fact that so few States have school building divisions and consequently lack adequate funds and staff for keeping records of school building construction.

State departments of education have felt the need for many years of establishing school building divisions with adequate staffs for keeping records of school building construction throughout each State and for conducting the school-building surveys which are essential as a basis for determining where school buildings are needed and the cost of the buildings. The value of such school-building divisions is indicated by the fact that some State departments of education which have had the funds to establish such divisions and which have conducted State school building surveys during the past 4 years have been able to show conspicuous savings due to long-range studies of school building needs. For example, the State Department of

Education in Virginia estimates that the State school building survey recently conducted in that State by the director of the school building division has saved the State \$2,000,000 by preventing unnecessary building through careful population studies, elimination of many small schools, and housing of pupils in centralized schools.

TWO OUT OF FIVE SCHOOL BUILDINGS ARE OVER THIRTY YEARS OLD

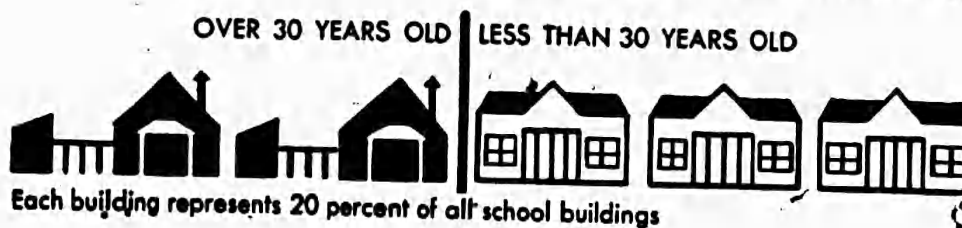


CHART IV

20 STATES REPORTED COST OF SCHOOL BUILDING CONSTRUCTION WITH PWA AID FOR COMMUNITIES UNDER 10,000 POPULATION

In the present study, reports were received from the following 20 States relative to the cost of school building construction with PWA aid in places under 10,000 population: Delaware, Indiana, Iowa, Kansas, Kentucky, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, New Mexico, North Dakota, Oregon, South Dakota, Tennessee, Texas, Virginia, West Virginia, Wisconsin, and Wyoming. In addition, returns were received from Hawaii and Alaska.

These 20 States reported that the total cost of school building construction with PWA aid from September 1933 to December 1, 1936, was \$145,234,288. The total amount of PWA allotments was \$79,355,933, of which \$55,420,091 were in grants and \$23,935,842 in loans. The total cost of school buildings for Alaska was \$286,125, of which \$201,867 was a PWA grant. Hawaii's total estimated cost for school buildings was \$100,476, of which \$30,143 was a PWA grant.¹¹

7 STATES REPORTED ESTIMATED COST OF SCHOOL BUILDING NEEDS IN PLACES UNDER 10,000 POPULATION

Seven States—Delaware, Kentucky, Missouri, Tennessee, Texas, Virginia, and West Virginia—estimated that \$220,000,000 was needed for school building construction in places under 10,000 population. Hawaii's estimate of the cost of needed school building construction was \$5,957,500, and Alaska's estimate was \$225,000.¹²

¹¹ See Appendix, table 15.

¹² See Appendix, table 16.

CHAPTER III: CONCLUSION

School housing is vitally important from an educational and social, as well as from a constructional, standpoint. A school building program can be the lever by means of which a school system may be reorganized along modern, progressive lines. For example:

1. Thousands of school children are still housed in 1-room schools. There are 132,000 1-room schools in the United States. A school building program makes possible the elimination of these small schools and the reorganization of many small schools into larger administrative units.

2. If the children of today in elementary and high schools are to be equipped to meet the conditions of modern life and deal with them intelligently, it is necessary for the school to provide the facilities needed for a modern curriculum, i. e., science laboratories, libraries, art rooms, music rooms, commercial rooms, gymnasiums, auditoriums, etc. The average school building of 30 years ago did not have these facilities. Yet the present study revealed that over 39 percent of the school buildings in 506 cities of 10,000 population and over are more than 30 years old.

3. The school must now provide not only for children in elementary and high schools but also for the thousands of boys and girls of 18 to 21 years of age who are neither in colleges or universities nor at work. Technological changes in industry are going to increase rather than decrease the numbers in this group who must be taken care of by the schools. The curriculum will have to be changed to meet the needs of these young people. This means that school buildings will have to be altered and equipped to meet these needs.

4. The schools must also provide opportunities for adults for re-education in new lines of work made necessary by industrial changes and for recreation during leisure time. The modern well-planned high school is adapted for use by adults, but more buildings of this type are needed.

5. School plant surveys are essential for adequate school plant programs. The lack of data available as to school building requirements for places under 10,000 population indicate that State departments of education are justified in their conviction of the need of school building divisions with adequate staffs and funds for making comprehensive and continuing surveys of school building needs. Modern school buildings are needed. But they should be constructed only where needed. Such need cannot be determined except on the basis of comprehensive long-range surveys which take into consideration population trends, economic and social trends, and the educational program needed for the children, youth, and adults of a given community.

APPENDIX

NATIONAL ADVISORY COUNCIL ON SCHOOL BUILDING PROBLEMS

Officers and Executive Committee for 1937-38

President:

Raymond V. Long, Director of School Building Construction, State Department of Education, Richmond, Va.

First Vice President:

Arthur B. Moehlman, Professor of School Administration and Supervision, University of Michigan, Ann Arbor, Mich.

Second Vice President:

W. F. Credle, Director of School Buildings, State Department of Education, Raleigh, N. C.

Third Vice President:

H. W. Schmidt, Supervisor of High Schools and Buildings, State Department of Public Instruction, Madison, Wis.

Secretary:

Alice Barrows, Specialist in School Building Problems, United States Department of the Interior, Office of Education, Washington, D. C.

Treasurer:

Leonard Power, Educational Consultant, New York City.

Executive Committee

(The Executive Committee consists of the above officers and the chairmen of the 11 regional councils)

New England Region:

James N. Pringle, Commissioner of Education, Concord, N. H.

New York Region:

Francis R. Scherer, Architect, Superintendent of School Building Division, Board of Education, Rochester, N. Y.

Middle Atlantic Region:

David E. Weglein, Superintendent of Schools, Baltimore, Md.

South Atlantic Region:

S. P. Clemons, Director, Division of Schoolhouse Planning, State Department of Education, Columbia, S. C.

Great Lakes Region:

Thomas C. Holy, Bureau of Educational Research, Ohio State University, Columbus, Ohio.

Central States Region:

N. E. Viles, Director, School Building Division, State Department of Education, Jefferson City, Mo.

North Central Region:

H. W. Schmidt, Supervisor of High Schools and of Buildings, State Department of Education, Madison, Wis.

Gulf States Region:

John W. Brooker, Director of School Buildings and Grounds, State Department of Public Instruction, Frankfort, Ky.

Northwestern Region:

Charles A. Rice, Superintendent of Schools, Portland, Oreg.

Rocky Mountain Region:

C. H. Skidmore, State Superintendent of Public Instruction, Salt Lake City, Utah.

Sierra Nevada Region:

Charles W. Bursch, Chief, Division of Schoolhouse Planning, State Department of Education, Sacramento, Calif.

TABLE 1.—AVERAGE PER PUPIL COST OF CAPITAL OUTLAY FOR ELEMENTARY AND SECONDARY SCHOOLS PER YEAR PER PERIOD, 1906-12, 1914-20, 1922-28, 1930, 1932, AND 1934¹

| Periods or years | Average amount of capital outlay per year per period | Average enrollment of public-school pupils per year per period | Average per pupil cost of capital outlay per year per period | Periods or years | Average amount of capital outlay per year per period | Average enrollment of public-school pupils per year per period | Average per pupil cost of capital outlay per year per period |
|------------------|--|--|--|------------------|--|--|--|
| 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| 1906-12..... | \$70,561,524 | 17,425,180 | \$4.49 | 1930..... | \$370,877,969 | 23,678,015 | \$14.44 |
| 1914-20..... | 116,934,893 | 20,484,325 | 5.71 | 1932..... | 210,996,262 | 26,775,441 | 8.03 |
| 1922-28..... | 372,111,007 | 24,362,300 | 15.27 | 1934..... | 59,276,447 | 26,434,193 | 2.24 |

¹ From Biennial Surveys of Education, 1906 to 1934, inclusive.

TABLE 2.—AVERAGE ENROLLMENT OF ELEMENTARY AND SECONDARY SCHOOL PUPILS IN PUBLIC SCHOOLS PER YEAR PER PERIOD AND PERCENT INCREASE PER YEAR PER PERIOD, 1906-12, 1914-20, 1922-28, 1930-34¹

| Periods | Average enrollment in— | | | Percent increase— | | |
|---|------------------------|-------------|------------|-------------------|-------------|-------|
| | Elementary | High school | Total | Elementary | High school | Total |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1906-12..... | 16,522,928 | 902,252 | 17,425,180 | | | |
| 1914-20..... | 18,665,032 | 1,819,294 | 20,484,325 | 12.96 | 101.06 | 17.56 |
| 1922-28..... | 20,870,392 | 3,482,906 | 24,362,300 | 11.86 | 91.44 | 18.93 |
| 1930-34..... | 21,050,683 | 5,069,533 | 26,120,216 | .86 | 45.55 | 7.25 |
| Average enrollment and percent increase | | | | | | |
| 1914-20..... | 18,665,032 | 1,819,294 | 20,484,325 | | | |
| 1930-34..... | 21,050,683 | 5,069,533 | 26,120,216 | 12.83 | 178.65 | 27.56 |

¹ From Biennial Surveys of Education, 1906 to 1934, inclusive.

TABLE 3.—NUMBER OF CITIES OF 10,000 POPULATION AND OVER, AND NUMBER AND PERCENT OF TOTAL CITIES HAVING 10,000 POPULATION AND OVER REPLYING TO THE QUESTIONNAIRE

| Total cities having population of 10,000 and over | | Total cities replying to questionnaire | | | |
|---|------------|--|---|--------------------------|---|
| Number of cities | Population | Number of cities | Percent of all cities of 10,000 population and over | Population of 612 cities | Percent of total population of all cities of 10,000 population and over |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 962 | 56,340,077 | 612 | 62.3 | 40,754,901 | 69.9 |

¹ United States Census, 1930.

SCHOOL BUILDING SITUATION AND NEEDS

TABLE 4.—NUMBER AND PERCENT OF ALL CITIES OF 10,000 POPULATION AND OVER REPLYING TO THE QUESTIONNAIRE, BY POPULATION GROUPS

| Region and State | Number of cities in States by population groups ¹ | | | | Number of cities replying by population groups | | | | Percent of total cities replying by population groups | | | |
|--------------------------------|--|-----------|-----------|------------|--|-----------|-----------|-----------|---|-------------|-------------|-------------|
| | Total | I | II | III | Total | I | II | III | Total | I | II | III |
| | | | | | | | | | | | | |
| New England region: | | | | | | | | | | | | |
| Connecticut..... | 24 | 3 | 9 | 12 | 15 | | | 8 | 62.5 | | | |
| Maine..... | 9 | | 3 | 6 | 3 | | | 2 | 33.3 | | | |
| New Hampshire..... | 10 | | 3 | 7 | 7 | | | 5 | 70.0 | | | |
| Massachusetts..... | 73 | 9 | 21 | 43 | 52 | 5 | 16 | 31 | 71.2 | | | |
| Rhode Island..... | 14 | 1 | 6 | 7 | 7 | 1 | | 3 | 60.0 | | | |
| Vermont..... | 3 | | | 3 | 3 | | | 3 | 100.0 | | | |
| Total..... | 123 | 13 | 43 | 78 | 87 | 6 | 29 | 53 | 64.4 | 44.3 | 60.0 | 64.7 |
| New York region: | | | | | | | | | | | | |
| New York..... | 70 | 7 | 16 | 47 | 53 | 6 | 13 | 35 | 75.7 | 71.4 | 81.3 | 74.5 |
| Middle Atlantic region: | | | | | | | | | | | | |
| Delaware..... | 1 | 1 | | | 1 | | | | 100.0 | | | |
| District of Columbia..... | 1 | 1 | | | 1 | | | | 100.0 | | | |
| Maryland..... | 6 | 1 | | | 1 | | | | 16.7 | | | |
| New Jersey..... | 66 | 6 | 20 | 40 | 43 | 4 | 16 | 23 | 65.2 | | | |
| Pennsylvania..... | 102 | 5 | 22 | 75 | 63 | 5 | 15 | 43 | 61.8 | | | |
| West Virginia..... | 10 | | 5 | 5 | | | | | | | | |
| Total..... | 196 | 14 | 49 | 133 | 109 | 13 | 31 | 66 | 58.6 | 54.8 | 63.3 | 53.7 |
| South Atlantic region: | | | | | | | | | | | | |
| Alabama..... | 14 | 1 | 2 | 11 | 7 | 1 | 1 | 5 | 50.0 | | | |
| Florida..... | 14 | 3 | 4 | 7 | | | | | | | | |
| Georgia..... | 15 | 1 | 4 | 10 | 7 | 1 | 1 | 6 | 46.7 | | | |
| North Carolina..... | 21 | 1 | 4 | 13 | 11 | | 4 | 7 | 52.4 | | | |
| South Carolina..... | 9 | | 4 | 5 | 6 | | 1 | 5 | 66.7 | | | |
| Virginia..... | 16 | 2 | 5 | 9 | 9 | 2 | 4 | 3 | 56.3 | | | |
| Total..... | 89 | 7 | 27 | 55 | 49 | 4 | 11 | 24 | 44.9 | 57.1 | 44.7 | 44.5 |
| Great Lakes region: | | | | | | | | | | | | |
| Illinois..... | 58 | 2 | 22 | 34 | 36 | 1 | 13 | 22 | 58.6 | | | |
| Indiana..... | 34 | 5 | 12 | 17 | 22 | 3 | 8 | 11 | 64.8 | | | |
| Michigan..... | 40 | 3 | 14 | 23 | 29 | 3 | 11 | 15 | 72.5 | | | |
| Ohio..... | 50 | 8 | 18 | 33 | 37 | 4 | 12 | 21 | 62.7 | | | |
| Total..... | 191 | 15 | 66 | 107 | 134 | 11 | 44 | 69 | 64.9 | 61.1 | 64.7 | 64.5 |

SCHOOL BUILDING SITUATION AND NEEDS

TABLE 5.—NUMBER OF CITIES AND POPULATION OF ALL CITIES OF 10,000 POPULATION AND OVER REPLYING TO THE QUESTIONNAIRE; NUMBER AND PERCENT OF CITIES WHICH HAD CONSTRUCTED SCHOOL BUILDINGS WITH PWA AID AND THEIR POPULATION; NUMBER AND PERCENT OF CITIES WHICH HAD NOT CONSTRUCTED SCHOOL BUILDINGS WITH PWA AID AND THEIR POPULATION, BY STATES AND REGIONS

| Region and State | Total cities replying | | | Cities having constructed school buildings | | | Cities not having constructed school buildings | | | |
|--------------------------------|-----------------------|------------------|------------------|--|------------------|------------------|--|------------------|------------------|-------------|
| | Number of cities | Population | Percent of total | Number of cities | Population | Percent of total | Number of cities | Population | Percent of total | |
| | 3 | 3 | 3 | 4 | 6 | 6 | 5 | 7 | 7 | |
| New England region: | | | | | | | | | | |
| Connecticut | 15 | 430,611 | 53.3 | 8 | 251,588 | 58.7 | 7 | 179,023 | 46.7 | |
| Maine | 3 | 53,396 | 66.7 | 2 | 24,647 | 28.6 | 1 | 28,749 | 33.3 | |
| New Hampshire | 7 | 172,839 | 28.6 | 2 | 43,934 | 30.8 | 5 | 128,905 | 71.4 | |
| Massachusetts | 52 | 2,634,710 | 57.1 | 16 | 1,334,241 | 57.1 | 36 | 1,300,469 | 69.2 | |
| Rhode Island | 7 | 393,655 | 57.1 | 4 | 346,700 | 88.9 | 3 | 48,955 | 42.9 | |
| Vermont | 3 | 53,411 | 34.9 | 3 | 301,110 | 56.5 | 3 | 53,411 | 100.0 | |
| Total | 87 | 3,749,823 | 34.9 | 33 | 2,901,110 | 53.5 | 53 | 1,739,513 | 63.2 | |
| New York region: | | | | | | | | | | |
| New York | 53 | 8,829,149 | 30.2 | 16 | 7,723,133 | 87.5 | 37 | 1,106,016 | 69.8 | 12.5 |
| Middle Atlantic region: | | | | | | | | | | |
| Delaware | 1 | 106,597 | 100.0 | 1 | 106,597 | 100.0 | 1 | 106,597 | 100.0 | |
| District of Columbia | 1 | 480,869 | 100.0 | 1 | 804,874 | 16.3 | 7 | 412,496 | 83.7 | |
| Maryland | 1 | 804,874 | 16.3 | 7 | 412,496 | 41.3 | 36 | 3,810,905 | 58.7 | |
| New Jersey | 43 | 1,908,236 | 41.3 | 26 | 3,810,905 | 32.1 | 37 | 4,498,741 | 67.9 | |
| Pennsylvania | 63 | 4,949,627 | 32.1 | 35 | 4,124,671 | 71.4 | 74 | 3,131,333 | 28.6 | |
| West Virginia | 100 | 8,356,263 | 71.4 | 6 | 85,764 | 42.9 | 2 | 325,757 | 57.1 | |
| Total | 169 | 8,356,263 | 71.4 | 6 | 85,764 | 45.6 | 19 | 915,799 | 47.5 | 37.8 |
| South Atlantic region: | | | | | | | | | | |
| Alabama | 7 | 411,621 | 45.6 | 3 | 93,577 | 33.3 | 4 | 314,263 | 66.7 | |
| Florida | 7 | 407,940 | 45.6 | 6 | 197,369 | 33.3 | 6 | 143,251 | 33.3 | |
| Georgia | 11 | 340,820 | 45.6 | 2 | 73,587 | 66.7 | 3 | 80,552 | 66.7 | |
| North Carolina | 6 | 120,544 | 66.7 | 6 | 415,021 | 82.5 | 19 | 915,799 | 81.6 | |
| South Carolina | 9 | 496,573 | 66.7 | 21 | 845,318 | 47.2 | 19 | 454,651 | 52.8 | |
| Virginia | 69 | 1,781,968 | 36.4 | 8 | 616,107 | 36.4 | 14 | 440,033 | 63.6 | |
| Total | 69 | 1,781,968 | 36.4 | 17 | 3,833,969 | 63.6 | 14 | 440,033 | 63.6 | |
| Great Lakes region: | | | | | | | | | | |
| Illinois | 36 | 4,288,620 | 63.6 | 8 | 616,107 | 36.4 | 14 | 440,033 | 63.6 | |
| Indiana | 22 | 1,056,140 | 36.4 | 8 | 616,107 | 36.4 | 14 | 440,033 | 63.6 | |

SCHOOL BUILDING SITUATION AND NEEDS

| | | | | | | | | |
|-------------------------------|------------|-------------------|-----------|-------------|------------------|-----------|-------------|------------------|
| Michigan..... | 20 | 2,641,095 | 12 | 41.4 | 1,849,920 | 17 | 58.6 | 791,775 |
| Ohio..... | 37 | 2,343,084 | 9 | 24.3 | 1,513,201 | 28 | 75.7 | 829,883 |
| Total | 134 | 19,379,139 | 46 | 37.1 | 7,813,197 | 76 | 62.9 | 2,516,842 |
| Central States region: | | | | | | | | |
| Kansas..... | 10 | 301,857 | 6 | 60.0 | 235,414 | 4 | 40.0 | 66,443 |
| Missouri..... | 2 | 43,945 | 1 | 50.0 | 33,454 | 1 | 50.0 | 10,491 |
| Oklahoma..... | 7 | 135,230 | 4 | 57.1 | 78,040 | 3 | 42.9 | 57,190 |
| Texas..... | 23 | 1,009,225 | 14 | 60.9 | 828,638 | 9 | 39.1 | 230,587 |
| Total | 42 | 1,549,257 | 25 | 59.5 | 1,175,546 | 17 | 49.5 | 364,711 |
| North Central region: | | | | | | | | |
| Iowa..... | 19 | 465,738 | 4 | 21.1 | 102,583 | 15 | 78.9 | 363,155 |
| Minnesota..... | 9 | 492,032 | 4 | 44.4 | 406,195 | 5 | 55.6 | 75,837 |
| Nebraska..... | 6 | 342,165 | 2 | 33.3 | 290,939 | 4 | 66.7 | 52,226 |
| North Dakota..... | 3 | 44,301 | 2 | 66.7 | 28,202 | 1 | 33.3 | 16,099 |
| South Dakota..... | 4 | 42,806 | 3 | 75.0 | 32,292 | 1 | 25.0 | 10,214 |
| Wisconsin..... | 22 | 1,153,368 | 12 | 54.5 | 896,052 | 10 | 45.5 | 285,316 |
| Total | 63 | 2,539,119 | 37 | 42.9 | 1,777,843 | 36 | 57.1 | 892,847 |
| Gulf States region: | | | | | | | | |
| Arkansas..... | 5 | 142,281 | 1 | 20.0 | 81,679 | 4 | 80.0 | 60,602 |
| Kentucky..... | 9 | 222,414 | 6 | 66.7 | 164,857 | 3 | 33.3 | 57,557 |
| Louisiana..... | 9 | 185,447 | 4 | 44.4 | 121,198 | 5 | 55.6 | 64,251 |
| Mississippi..... | 3 | 48,969 | 3 | 100.0 | 48,969 | 3 | 100.0 | 48,969 |

Report from this State is not included in the report of city school systems since the State department of education has control over both city and county school systems.



TABLE 6.—PROPORTION OF NUMBER OF CITIES AND TOTAL POPULATION REPORTING ON SCHOOL BUILDING CONSTRUCTION,¹ AND PROPORTION NOT REPORTING.

| Cities | Number of cities | Percent of total cities of 10,000 population and over | Population | Percent of total population in cities of 10,000 population and over |
|--|------------------|---|-------------------|---|
| 1 | 2 | 3 | 4 | 5 |
| Cities replying: | | | | |
| Cities having building construction ¹ | 246 | 25.0 | 28,593,765 | 49.0 |
| Cities not having building construction ¹ | 366 | 37.3 | 12,161,136 | 20.9 |
| Cities not replying..... | 370 | 37.7 | 17,585,176 | 30.1 |
| Total | 982 | 100.0 | 58,340,077 | 100.0 |

¹ With PWA aid.

TABLE 7.—NUMBER OF NEW BUILDINGS AND ADDITIONS FOR DIFFERENT TYPES OF PUBLIC SCHOOLS ERECTED AND BEING CONSTRUCTED WITH PWA AID, 1933-36; NUMBER OF AUDITORIUMS, GYMNASIUMS, AUDITORIUM - GYMNASIUMS, AND LIBRARIES; AND COST

| Type of school | Number of cities | Number of new buildings and additions | | | Number of rooms | | | Number of auditoriums | | | Number of gymnasiums ¹ | | |
|-----------------------------------|------------------|---------------------------------------|------------|------------|-----------------|------------------|--------------|-----------------------|------------------|--------------|-----------------------------------|------------------|--------------|
| | | Total | New | Additions | Total | In new buildings | In additions | Total | In new buildings | In additions | Total | In new buildings | In additions |
| | | | | | | | | | | | | | |
| Elementary..... | 130 | 399 | 186 | 213 | 4,063 | 2,277 | 1,806 | 145 | 83 | 62 | 74 | 48 | 26 |
| Junior high..... | 54 | 82 | 44 | 38 | 1,697 | 1,253 | 444 | 40 | 28 | 12 | 54 | 33 | 21 |
| Senior high..... | 86 | 120 | 69 | 51 | 3,364 | 2,904 | 500 | 67 | 49 | 18 | 102 | 77 | 25 |
| Junior-senior high..... | 23 | 36 | 14 | 22 | 567 | 317 | 250 | 14 | 8 | 6 | 19 | 12 | 7 |
| Combined elementary and high..... | 12 | 19 | 6 | 13 | 265 | 157 | 108 | 9 | 4 | 5 | 11 | 7 | 4 |
| Vocational and trade..... | 17 | 18 | 12 | 6 | 428 | 375 | 53 | 6 | 5 | 1 | 9 | 8 | 1 |
| Junior colleges..... | 9 | 17 | 16 | 1 | 476 | 427 | 49 | 8 | 7 | 1 | 8 | 6 | 2 |
| Miscellaneous buildings..... | 30 | 31 | 24 | 7 | 134 | 130 | 24 | 4 | 4 | ----- | 7 | 7 | ----- |
| Grand total | | 723 | 371 | 351 | 11,694 | 7,749 | 3,994 | 293 | 168 | 106 | 294 | 198 | 66 |

TABLE 7.—NUMBER OF NEW BUILDINGS AND ADDITIONS FOR DIFFERENT TYPES OF PUBLIC SCHOOLS ERECTED AND BEING CONSTRUCTED WITH PWA AID, 1933-36; NUMBER OF AUDITORIUMS, GYMNASIUMS, AUDITORIUM - GYMNASIUMS, AND LIBRARIES; AND COST—Continued

| Type of school | Number of cities | Number of auditorium-gymnasiums | | | Number of libraries | | | Cost of new buildings and additions | | |
|-----------------------------------|------------------|---------------------------------|------------------|--------------|---------------------|------------------|--------------|-------------------------------------|-------------------|-------------------|
| | | Total | In new buildings | In additions | Total | In new buildings | In additions | Total | PWA | |
| | | | | | | | | | Grants | Loans |
| 1 | 2 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| Elementary..... | 130 | 47 | 25 | 22 | 80 | 50 | 30 | \$45,631,377 | \$18,386,595 | \$5,050,354 |
| Junior high..... | 54 | 5 | 5 | — | 42 | 30 | 12 | 28,204,466 | 9,511,000 | 1,086,444 |
| Senior high..... | 86 | 5 | 3 | 2 | 65 | 50 | 15 | 59,537,720 | 21,589,933 | 15,029,442 |
| Junior-senior high..... | 33 | — | — | — | 15 | 7 | 8 | 7,710,125 | 2,808,249 | 989,238 |
| Combined elementary and high..... | 12 | — | — | — | 10 | 5 | 5 | 3,204,246 | 1,214,055 | 126,600 |
| Vocational and trade..... | 17 | 1 | 1 | — | 6 | 5 | 1 | 11,474,999 | 4,661,155 | 1,551,849 |
| Junior colleges..... | 9 | — | — | — | 7 | 6 | 1 | 3,478,092 | 1,307,279 | — |
| Miscellaneous buildings..... | 30 | 2 | 2 | — | 2 | 1 | 1 | 3,306,107 | 1,266,267 | 50,940 |
| Grand total..... | | 69 | 36 | 24 | 227 | 154 | 73 | 162,547,732 | 69,799,513 | 22,884,567 |

| Type of school | Number of cities | Cost of new buildings | | | Cost of additions | | |
|-----------------------------------|------------------|-----------------------|-------------------|-------------------|-------------------|-------------------|------------------|
| | | Total | PWA | | Total | PWA | |
| | | | Grants | Loans | | Grants | Loans |
| 1 | 2 | 24 | 25 | 26 | 27 | 28 | 29 |
| Elementary..... | 130 | \$29,946,477 | \$11,989,222 | \$3,464,909 | \$15,684,900 | \$3,397,373 | \$1,585,445 |
| Junior high..... | 54 | 21,247,183 | 7,307,457 | 975,143 | 6,957,283 | 2,203,543 | 111,301 |
| Senior high..... | 86 | 49,947,239 | 18,108,552 | 14,320,071 | 9,590,481 | 3,481,351 | 709,571 |
| Junior-senior high..... | 33 | 3,743,637 | 1,513,643 | 662,908 | 3,966,488 | 1,299,576 | 326,330 |
| Combined elementary and high..... | 12 | 1,682,216 | 619,807 | — | 1,522,030 | 594,258 | 126,600 |
| Vocational and trade..... | 17 | 10,682,280 | 4,365,049 | 1,531,456 | 792,719 | 294,106 | 20,363 |
| Junior colleges..... | 9 | 2,987,581 | 1,084,279 | — | 491,111 | 221,000 | — |
| Miscellaneous buildings..... | 30 | 2,706,904 | 1,004,246 | 45,000 | 599,203 | 261,921 | 5,940 |
| Grand total..... | | 122,943,517 | 45,894,255 | 29,989,487 | 29,694,215 | 14,745,158 | 2,884,299 |

¹ Includes playrooms.

TABLE 8.—NUMBER OF NEW BUILDINGS AND ADDITIONS FOR DIFFERENT TYPES OF SCHOOLS ERECTED AND BEING CONSTRUCTED WITH PWA AID, 1933-36; NUMBER OF ROOMS, AUDITORIUMS, GYMNASIUMS, AUDITORIUM-GYMNASIUMS, AND LIBRARIES; AND COST, BY STATES AND REGIONS

ELEMENTARY SCHOOLS

| Region and State | Num-ber of cities | Number of new build-ings and additions | | | Number of rooms | | | Number of audi-to-riums | | | Number of gymna-siums | | | Number of audi-to-rium-gymnasiums | | | Number of libra-ries | | |
|--------------------------------|-------------------|--|-----------|------------|-----------------|-------------------|---------------|-------------------------|-------------------|---------------|-----------------------|-------------------|---------------|-----------------------------------|-------------------|---------------|----------------------|-------------------|---------------|
| | | Total | New | Addi-tions | Total | In new build-ings | In addi-tions | Total | In new build-ings | In addi-tions | Total | In new build-ings | In addi-tions | Total | In new build-ings | In addi-tions | Total | In new build-ings | In addi-tions |
| | | | | | | | | | | | | | | | | | | | |
| 1 | 3 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| New England region: | | | | | | | | | | | | | | | | | | | |
| Connecticut..... | 6 | 6 | 3 | 3 | 29 | 21 | 8 | 2 | 1 | 1 | 4 | 1 | 2 | 2 | 2 | 1 | 1 | 1 | 1 |
| Maine..... | 1 | 1 | 1 | 1 | 8 | 8 | 8 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 |
| Massachusetts..... | 3 | 6 | 5 | 1 | 52 | 48 | 4 | 3 | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| Rhode Island..... | 1 | 1 | 1 | 1 | 12 | 12 | 12 | 3 | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total..... | 11 | 14 | 10 | 4 | 101 | 89 | 12 | 8 | 4 | 1 | 8 | 6 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| New York region: | | | | | | | | | | | | | | | | | | | |
| New York..... | 10 | 26 | 16 | 10 | 590 | 366 | 214 | 14 | 12 | 2 | 14 | 12 | 2 | 5 | 4 | 1 | 9 | 6 | 3 |
| Middle Atlantic region: | | | | | | | | | | | | | | | | | | | |
| Maryland..... | 1 | 8 | 1 | 7 | 105 | 10 | 95 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| New Jersey..... | 3 | 3 | 3 | 3 | 56 | 56 | 56 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Pennsylvania..... | 10 | 25 | 18 | 7 | 308 | 359 | 39 | 13 | 10 | 3 | 13 | 8 | 5 | 1 | 1 | 1 | 6 | 4 | 1 |
| Total..... | 14 | 36 | 22 | 14 | 469 | 435 | 184 | 15 | 11 | 4 | 14 | 9 | 6 | 3 | 2 | 3 | 6 | 5 | 1 |
| South Atlantic region: | | | | | | | | | | | | | | | | | | | |
| Alabama..... | 2 | 2 | 2 | 2 | 16 | 16 | 16 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Georgia..... | 2 | 6 | 4 | 2 | 79 | 72 | 7 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| North Carolina..... | 4 | 17 | 10 | 7 | 147 | 93 | 54 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 |
| South Carolina..... | 2 | 6 | 2 | 4 | 27 | 5 | 22 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Virginia..... | 3 | 5 | 5 | 5 | 19 | 19 | 19 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total..... | 13 | 36 | 18 | 18 | 368 | 186 | 163 | 6 | 4 | 3 | 1 | 1 | 1 | 4 | 4 | 4 | 4 | 4 | 4 |
| Great Lakes region: | | | | | | | | | | | | | | | | | | | |
| Illinois..... | 9 | 53 | 25 | 26 | 513 | 290 | 223 | 8 | 6 | 3 | 16 | 9 | 4 | 4 | 4 | 4 | 2 | 2 | 1 |
| Indiana..... | 4 | 4 | 3 | 1 | 43 | 41 | 2 | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

SCHOOL BUILDING SITUATION AND NEEDS

| | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|------------|------------|------------|------------|--------------|--------------|--------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Michigan..... | 8 | 12 | 5 | 7 | 120 | 51 | 40 | 2 | 1 | 1 | 3 | 3 | 1 | 2 | 3 | 21 | 3 | 7 | 6 | 3 | 2 |
| Ohio..... | 7 | 22 | 16 | 16 | 181 | 155 | 26 | 3 | 3 | | 2 | 2 | 1 | 2 | 3 | 7 | 3 | 14 | 7 | 5 | 2 |
| Total..... | 26 | 101 | 49 | 43 | 647 | 437 | 329 | 16 | 11 | 5 | 31 | 13 | 8 | 29 | 21 | 15 | 15 | 14 | 15 | 10 | 5 |
| Central States region: | | | | | | | | | | | | | | | | | | | | | |
| Kansas..... | 2 | 2 | 2 | | 29 | 29 | | 2 | 2 | | | | | | | | | | 1 | 1 | |
| Oklahoma..... | 3 | 8 | 4 | 4 | 33 | 19 | 14 | 1 | 1 | | | | | | | | | | 2 | 2 | |
| Texas..... | 7 | 49 | 11 | 36 | 299 | 95 | 204 | 22 | 7 | 15 | | | | | | | | | 12 | 8 | 4 |
| Total..... | 12 | 59 | 17 | 43 | 341 | 143 | 318 | 35 | 10 | 15 | | | | | | | | | 15 | 11 | 4 |
| North Central region: | | | | | | | | | | | | | | | | | | | | | |
| Iowa..... | 2 | 2 | | 2 | 6 | | 6 | 1 | | 1 | 1 | | | | | | | 1 | | | |
| Minnesota..... | 1 | 4 | | 4 | 18 | | 18 | | | | 4 | | | | | | | | 4 | | |
| Nebraska..... | 2 | 4 | 1 | 3 | 27 | 4 | 23 | 1 | 1 | | 4 | | | | | | | 3 | | | 4 |
| South Dakota..... | 1 | 2 | | 2 | 20 | | 20 | 2 | | 2 | | | | | | | | | 1 | | |
| Wisconsin..... | 6 | 8 | 6 | 2 | 60 | 56 | 4 | 3 | 2 | 1 | 5 | 4 | 1 | | | | | | 1 | | 1 |
| Total..... | 12 | 26 | 7 | 13 | 131 | 66 | 71 | 7 | 3 | 4 | 10 | 4 | 6 | 4 | 4 | 4 | 4 | 4 | 6 | 1 | 5 |
| Gulf States region: | | | | | | | | | | | | | | | | | | | | | |
| Arkansas..... | 1 | 1 | | | 8 | 8 | | 1 | 1 | | | | | | | | | | | | |
| Kentucky..... | 3 | 9 | 5 | 4 | 55 | 45 | 10 | 5 | 3 | 2 | | | | | | | | | 3 | 3 | |
| Mississippi..... | 3 | 18 | 5 | 13 | 106 | 56 | 50 | 14 | 4 | 10 | | | | | | | | | 10 | 3 | 7 |
| Total..... | 7 | 28 | 11 | 17 | 169 | 109 | 60 | 30 | 8 | 12 | | | | | | | | | 13 | 6 | 7 |
| Northwestern region: | | | | | | | | | | | | | | | | | | | | | |
| Idaho..... | 1 | 1 | | 1 | 4 | | 4 | | | | | | | | | | | | | | |
| Montana..... | 3 | 5 | 3 | 2 | 32 | 40 | 12 | 4 | 2 | 2 | 2 | 1 | 1 | | | | | | 2 | 1 | 1 |
| Oregon..... | 1 | 1 | 1 | | 14 | 14 | | 1 | 1 | 2 | 2 | 2 | | | | | | | 1 | 1 | |
| Washington..... | 3 | 7 | 1 | 4 | 14 | 6 | 8 | 3 | 1 | 2 | 3 | 3 | 3 | | | | | | 3 | 1 | 2 |
| Total..... | 8 | 12 | 5 | 7 | 64 | 66 | 24 | 8 | 4 | 4 | 7 | 3 | 4 | | | | | | 6 | 3 | 3 |
| Rocky Mountain region: | | | | | | | | | | | | | | | | | | | | | |
| Utah..... | 1 | 1 | 1 | | 8 | 8 | | | | | | | | | | | | | | | |
| Sierra Nevada region: | | | | | | | | | | | | | | | | | | | | | |
| Arizona..... | 2 | 10 | 10 | | 42 | | 42 | 1 | 1 | | | | | | | | | | | | |
| California..... | 11 | 55 | 29 | 26 | 900 | 291 | 609 | 27 | 15 | 12 | 2 | 2 | 2 | | | | | | 4 | 2 | 2 |
| Nevada..... | 1 | 1 | 1 | | 3 | 3 | | 1 | 1 | | | | | | | | | | | | |
| Total..... | 14 | 66 | 30 | 26 | 945 | 294 | 651 | 29 | 16 | 12 | 2 | 2 | 2 | | | | | | 4 | 2 | 2 |
| Grand total..... | 130 | 389 | 196 | 213 | 4,863 | 2,277 | 1,846 | 145 | 83 | 63 | 74 | 45 | 26 | 47 | 25 | 22 | 69 | 59 | 29 | 29 | 20 |

1 Includes playgrounds.

TABLE 8.—NUMBER OF NEW BUILDINGS AND ADDITIONS FOR DIFFERENT TYPES OF SCHOOLS ERECTED AND BEING CONSTRUCTED WITH PWA AID, 1933-36; NUMBER OF ROOMS, AUDITORIUMS, GYMNASIUMS, AUDITORIUM-GYMNASIUMS, AND LIBRARIES; AND COST, BY STATES AND REGIONS—Continued

JUNIOR HIGH SCHOOLS

| Region and State | Number of cities | Number of new buildings and additions | | | Number of rooms | | Number of auditoriums | | | Number of gymnasiums | | | Number of auditorium-gymnasiums | | | Number of libraries | | | |
|--|------------------|---------------------------------------|-----|-----------|-----------------|------------------|-----------------------|-------|------------------|----------------------|-------|------------------|---------------------------------|-------|------------------|---------------------|----|----|----|
| | | Total | New | Additions | Total | In new buildings | In additions | Total | In new buildings | In additions | Total | In new buildings | In additions | Total | In new buildings | In additions | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| New England region: | | | | | | | | | | | | | | | | | | | |
| Connecticut..... | 2 | 2 | 1 | 1 | 32 | 26 | 6 | 1 | 1 | | | | | | | | 1 | 1 | |
| Massachusetts..... | 5 | 9 | 6 | 3 | 170 | 148 | 16 | 4 | 4 | 1 | 6 | 6 | 1 | | 2 | | | | |
| Rhode Island..... | 1 | 1 | 1 | 1 | 16 | | | 1 | | | | | | | | | | | |
| Total..... | 8 | 12 | 7 | 5 | 218 | 174 | 22 | 6 | 5 | 1 | 6 | 6 | 2 | | | | 1 | 1 | |
| New York region: New York..... | 5 | 12 | 9 | 3 | 406 | 474 | 24 | 8 | 8 | | 12 | 12 | 1 | | | | 9 | 9 | |
| Middle Atlantic region: | | | | | | | | | | | | | | | | | | | |
| Maryland..... | 1 | 1 | 1 | 1 | 12 | | | | | | | | | | | | | | |
| New Jersey..... | 1 | 1 | 1 | 1 | 46 | | | | | | | | | | | | | | |
| Pennsylvania..... | 7 | 9 | 4 | 5 | 229 | 183 | 76 | 5 | 2 | 3 | 10 | 4 | 0 | 2 | 2 | | 6 | 3 | 3 |
| Total..... | 9 | 11 | 4 | 7 | 287 | 183 | 124 | 5 | 2 | 3 | 12 | 4 | 8 | | | | 8 | 3 | 6 |
| South Atlantic region: Alabama..... | 1 | 1 | 1 | 1 | 9 | 9 | | | | | | | | | | | | | |
| Great Lakes region: | | | | | | | | | | | | | | | | | | | |
| Illinois..... | 4 | 4 | 3 | 1 | 56 | 56 | | | | | | | | 2 | 2 | | 2 | 2 | |
| Michigan..... | 2 | 2 | 1 | 1 | | | | | | | | | | | | | 1 | 1 | |
| Ohio..... | 1 | 1 | 1 | 1 | 6 | | | | | | | | | | | | 1 | 1 | |
| Total..... | 7 | 7 | 4 | 3 | 62 | 56 | 6 | 1 | 1 | | 2 | 1 | 1 | 2 | 2 | | 4 | 3 | 1 |
| Central States region: | | | | | | | | | | | | | | | | | | | |
| Kansas..... | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | |
| Oklahoma..... | 1 | 2 | 2 | 2 | 15 | | | | | | | | | | | | | | |
| Texas..... | 4 | 11 | 5 | 6 | 123 | 94 | 29 | 6 | 4 | 1 | 2 | 2 | 2 | | 2 | | 6 | 6 | 1 |
| Total..... | 6 | 14 | 6 | 8 | 138 | 94 | 44 | 6 | 5 | 2 | 4 | 4 | 4 | | 4 | | 6 | 6 | 2 |

SCHOOL BUILDING SITUATION AND NEEDS

TABLE 8.—NUMBER OF NEW BUILDINGS AND ADDITIONS FOR DIFFERENT TYPES OF SCHOOLS ERECTED AND BEING CONSTRUCTED WITH PWA AID, 1933-36; NUMBER OF ROOMS, AUDITORIUMS, GYMNASIUMS, GYMNASIUMS, AUDITORIUM-GYMNASIUMS, AND LIBRARIES; AND COST, BY STATES AND REGIONS—Continued

SENIOR HIGH SCHOOLS—Continued

| Region and State | Number of cities | Number of new buildings and additions | | | Number of rooms | | | Number of auditoriums | | | Number of gymnasiums | | | Number of auditorium-gymnasiums | | | Number of libraries | | |
|------------------------|------------------|---------------------------------------|----------|-----------|-----------------|------------------|--------------|-----------------------|------------------|--------------|----------------------|------------------|--------------|---------------------------------|------------------|--------------|---------------------|------------------|--------------|
| | | Total | New | Additions | Total | In new buildings | In additions | Total | In new buildings | In additions | Total | In new buildings | In additions | Total | In new buildings | In additions | Total | In new buildings | In additions |
| | | | | | | | | | | | | | | | | | | | |
| 1 | 3 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| South Atlantic region: | | | | | | | | | | | | | | | | | | | |
| Alabama..... | 3 | 5 | 2 | 5 | 15 | 30 | 15 | 4 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Georgia..... | 2 | 2 | 2 | 1 | 10 | 10 | 10 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| North Carolina..... | 1 | 2 | 1 | 1 | 3 | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| South Carolina..... | 2 | 2 | 2 | 1 | 52 | 52 | 52 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Virginia..... | 4 | 4 | 4 | 4 | 52 | 52 | 52 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total..... | 13 | 14 | 7 | 7 | 119 | 91 | 28 | 7 | 8 | 4 | 4 | 3 | 1 | 3 | 3 | 4 | 4 | 4 | 4 |
| Great Lakes region: | | | | | | | | | | | | | | | | | | | |
| Illinois..... | 9 | 11 | 4 | 7 | 215 | 96 | 119 | 5 | 2 | 3 | 9 | 3 | 0 | 1 | 1 | 1 | 1 | 3 | 3 |
| Indiana..... | 1 | 1 | 1 | 1 | 14 | 14 | 14 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Michigan..... | 2 | 2 | 1 | 1 | 91 | 50 | 41 | 1 | 1 | 1 | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Ohio..... | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total..... | 13 | 15 | 6 | 9 | 300 | 160 | 100 | 6 | 3 | 3 | 13 | 5 | 8 | 3 | 3 | 1 | 6 | 4 | 4 |
| Central States region: | | | | | | | | | | | | | | | | | | | |
| Kansas..... | 1 | 1 | 1 | 1 | 100 | 100 | 100 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Texas..... | 5 | 14 | 7 | 7 | 271 | 227 | 44 | 10 | 6 | 4 | 11 | 7 | 4 | 11 | 7 | 4 | 9 | 7 | 2 |
| Total..... | 6 | 15 | 8 | 7 | 371 | 327 | 44 | 13 | 8 | 4 | 14 | 10 | 4 | 14 | 10 | 4 | 10 | 8 | 3 |
| North Central region: | | | | | | | | | | | | | | | | | | | |
| North Dakota..... | 1 | 1 | 1 | 1 | 26 | 26 | 26 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| South Dakota..... | 2 | 2 | 2 | 2 | 42 | 42 | 42 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Wisconsin..... | 2 | 2 | 2 | 2 | 36 | 36 | 36 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total..... | 5 | 5 | 5 | 5 | 104 | 104 | 104 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |

TABLE 8.—NUMBER OF NEW BUILDINGS AND ADDITIONS FOR DIFFERENT TYPES OF SCHOOLS ERECTED AND BEING CONSTRUCTED WITH PWA AID, 1933-36; NUMBER OF ROOMS, AUDITORIUMS, GYMNASIUMS, AUDITORIUM-GYMNASIUMS, AND LIBRARIES; AND COST, BY STATES AND REGIONS—Continued

JUNIOR-SENIOR HIGH SCHOOLS—Continued

| Region and State | Number of cities | Number of new buildings and additions | | | Number of rooms | | | Number of auditoriums | | | Number of gymnasiums | | | Number of auditorium-gymnasiums | | | Number of libraries | | |
|------------------------|------------------|---------------------------------------|-----|-----------|-----------------|------------------|--------------|-----------------------|------------------|--------------|----------------------|------------------|--------------|---------------------------------|------------------|--------------|---------------------|------------------|--------------|
| | | Total | New | Additions | Total | In new buildings | In additions | Total | In new buildings | In additions | Total | In new buildings | In additions | Total | In new buildings | In additions | Total | In new buildings | In additions |
| 1 | 3 | 3 | 4 | 5 | 6 | 7 | 6 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| Central States region: | 2 | 3 | 1 | 2 | 20 | 20 | 30 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 1 |
| Texas | | | | | | | | | | | | | | | | | | | |
| North Central region: | 1 | 1 | 1 | 1 | 17 | 17 | 11 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| North Dakota | 3 | 4 | 3 | 1 | 62 | 81 | 11 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 1 |
| Wisconsin | | | | | | | | | | | | | | | | | | | |
| Total | 4 | 5 | 4 | 1 | 100 | 96 | 11 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 |
| Gulf States region: | 3 | 3 | | 3 | 30 | | 30 | 1 | | 1 | | | | | | | 3 | 2 | 2 |
| Kentucky | | | | | | | | | | | | | | | | | | | |
| Northwestern region: | 1 | 1 | | 1 | 16 | | 16 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Montana | 1 | 1 | | 1 | 7 | | 7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Washington | | | | | | | | | | | | | | | | | | | |
| Total | 3 | 3 | | 3 | 23 | | 23 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 |
| Grand total | 23 | 36 | 14 | 32 | 267 | 317 | 259 | 14 | 6 | 6 | 18 | 13 | 7 | 16 | 7 | 16 | 7 | 8 | 8 |

COMBINED ELEMENTARY AND HIGH SCHOOLS

| | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|----|----|----|---|---|---|---|---|---|---|---|---|---|---|---|---|
| New England region: | 1 | 7 | | 7 | 42 | | 42 | 4 | | 4 | | | | | | | | | | 3 |
| Rhode Island | | | | | | | | | | | | | | | | | | | | |
| New York region: | 2 | 2 | 1 | 1 | 36 | 30 | 6 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| New York | | | | | | | | | | | | | | | | | | | | |
| South Atlantic region: | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | |
| South Carolina | | | | | | | | | | | | | | | | | | | | |

TABLE 8.—NUMBER OF NEW BUILDINGS AND ADDITIONS FOR DIFFERENT TYPES OF SCHOOLS ERECTED AND BEING CONSTRUCTED WITH PWA AID, 1933-36; NUMBER OF ROOMS, AUDITORIUMS, GYMNASIUMS, GYMNASIUMS, AUDITORIUM-GYMNASIUMS, AND LIBRARIES; AND COST, BY STATES AND REGIONS—Continued
JUNIOR COLLEGES

| Region and State | Num-ber of cities | Number of new build-ings and additions | | | Number of rooms | | | Number of auditor-iums | | | Number of gymna-siums | | | Number of auditor-ium-gymnasiums | | | Number of libraries | | |
|------------------------|-------------------|--|-----|------------|-----------------|-------------------|---------------|------------------------|-------------------|---------------|-----------------------|-------------------|---------------|----------------------------------|-------------------|---------------|---------------------|-------------------|---------------|
| | | Total | New | Addi-tions | Total | In new build-ings | In addi-tions | Total | In new build-ings | In addi-tions | Total | In new build-ings | In addi-tions | Total | In new build-ings | In addi-tions | Total | In new build-ings | In addi-tions |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| Central States region: | 2 | 2 | 2 | | 55 | 55 | | 3 | 3 | | 2 | 2 | | | | | 1 | 1 | |
| Kansas..... | 3 | 6 | 6 | | 46 | 46 | | 3 | 3 | | 1 | 1 | | | | | 2 | 2 | |
| Texas..... | | | | | | | | | | | | | | | | | | | |
| Total..... | 5 | 8 | 8 | | 101 | 101 | | 6 | 6 | | 3 | 3 | | | | | 3 | 3 | |
| Sierra Nevada region: | 4 | 9 | 8 | 1 | 375 | 326 | 49 | 2 | 1 | 1 | 5 | 3 | 2 | | | | 4 | 3 | 1 |
| California..... | | | | | | | | | | | | | | | | | | | |
| Grand total..... | 9 | 17 | 16 | 1 | 476 | 437 | 49 | 8 | 7 | 1 | 8 | 6 | 2 | | | | 7 | 6 | 1 |

MISCELLANEOUS BUILDINGS

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|----|----|---|---|---|---|---|---|--|--|--|--|---|---|--|--|
| New England region: | 1 | 1 | 1 | | 10 | 10 | | | | | | | | | | | | | | |
| Massachusetts (special classes) | | | | | | | | | | | | | | | | | | | | |
| New York region: | 2 | 2 | 1 | 1 | 14 | 14 | | | | | | | | | | | | | | |
| New York (trade school and other) | | | | | | | | | | | | | | | | | | | | |
| Middle Atlantic region: | 1 | 1 | 1 | 1 | 4 | | 4 | | | | | | | | | | | | | |
| Delaware (prevocational) | | | | | | | | | | | | | | | | | | | | |
| New Jersey (field house and stadium) | 1 | 1 | 1 | | | | | | | | | | | | | | | | | |
| Pennsylvania ((1) household arts building, (2) athletic stadium, (3) orthopedic school, (4) field houses and athletic fields) | 4 | 5 | 5 | | 19 | 10 | | 1 | 1 | 1 | 1 | 1 | | | | | 1 | 1 | | |
| Total..... | 6 | 7 | 6 | 1 | 23 | 19 | 4 | 1 | 1 | 1 | 1 | 1 | | | | | 1 | 1 | | |

TABLE 8.—NUMBER OF NEW BUILDINGS AND ADDITIONS FOR DIFFERENT TYPES OF SCHOOLS ERECTED AND BEING CONSTRUCTED WITH PWA AID, 1933-36; NUMBER OF ROOMS, AUDITORIUMS, GYMNASIUMS, AUDITORIUM-GYMNASIUMS, AND LIBRARIES; AND COST, BY STATES AND REGIONS—Continued

ELEMENTARY SCHOOLS

| Region and State | Num-ber of cities | Cost of new buildings and additions | | | Cost of new buildings | | | Cost of additions | | |
|----------------------------------|-------------------|-------------------------------------|------------------|------------------|-----------------------|------------------|----------------|-------------------|------------------|------------------|
| | | Total | PWA | | Total | PWA | | Total | PWA | |
| | | | Grants | Loans | | Grants | Loans | | Grants | Loans |
| I | 3 | 31 | 23 | 23 | 34 | 25 | 25 | 27 | 28 | 29 |
| New England region: | | | | | | | | | | |
| Connecticut..... | 6 | \$420,969 | \$257,337 | | \$311,892 | \$113,892 | | \$109,077 | \$173,445 | |
| Maine..... | 1 | 78,237 | 34,206 | | 78,237 | 34,206 | | | | |
| Massachusetts..... | 3 | 808,832 | 271,179 | \$175,000 | 734,323 | 238,509 | \$175,000 | 74,509 | 32,670 | |
| Rhode Island..... | 1 | 194,000 | 87,300 | | 194,000 | 87,300 | | | | |
| Total..... | 11 | 1,592,038 | 651,023 | 175,000 | 1,316,433 | 474,997 | 175,000 | 183,686 | 306,115 | |
| New York region: | | | | | | | | | | |
| New York..... | 10 | 8,090,780 | 3,380,795 | 2,850,952 | 6,239,546 | 2,437,451 | 2,231,950 | 2,421,234 | 943,344 | \$619,072 |
| Middle Atlantic region: | | | | | | | | | | |
| Maryland..... | 1 | 1,028,304 | 235,610 | 689,694 | 165,107 | 41,309 | 123,798 | 860,197 | 294,301 | 565,896 |
| New Jersey..... | 3 | 1,121,385 | 339,909 | 211,000 | 1,121,385 | 339,909 | 211,000 | 497,280 | 198,900 | |
| Pennsylvania..... | 10 | 6,063,098 | 2,679,429 | 999,694 | 5,595,726 | 2,480,529 | 234,795 | 1,357,477 | 683,261 | 545,896 |
| Total..... | 14 | 8,212,787 | 3,254,948 | 1,900,388 | 7,562,854 | 3,061,747 | 334,795 | 1,857,477 | 1,181,762 | 1,111,792 |
| South Atlantic region: | | | | | | | | | | |
| Alabama..... | 2 | 92,506 | 41,627 | 50,879 | 92,506 | 41,627 | 50,879 | | | |
| Georgia..... | 2 | 361,694 | 162,666 | | 314,780 | 141,587 | | 46,914 | 21,079 | |
| North Carolina..... | 4 | 514,999 | 172,770 | 261,963 | 294,098 | 88,609 | 197,489 | 230,901 | 86,161 | 64,493 |
| South Carolina..... | 2 | 155,229 | 66,573 | | 34,822 | 9,546 | | 123,407 | 57,027 | |
| Virginia..... | 3 | 362,771 | 155,084 | | | | | 262,771 | 155,084 | |
| Total..... | 13 | 1,487,199 | 606,799 | 313,942 | 732,206 | 379,369 | 348,368 | 763,993 | 319,351 | 64,493 |
| Great Lakes region: ⁶ | | | | | | | | | | |
| Illinois..... | 9 | 8,483,164 | 3,690,301 | 330,022 | 4,540,167 | 1,931,684 | 174,983 | 3,942,997 | 1,758,617 | 155,029 |
| Indiana..... | 4 | 577,732 | 244,834 | | 539,195 | 229,023 | | 38,537 | 15,911 | |

SCHOOL BUILDING SITUATION AND NEEDS

| | | | | | | | | | |
|-------------------------------|------------|-------------------|-------------------|------------------|-------------------|-------------------|------------------|-------------------|------------------|
| Michigan..... | 6 | 1,404,755 | 649,028 | 99,000 | 825,851 | 339,262 | 99,000 | 668,904 | 309,766 |
| Ohio..... | 7 | 3,342,475 | 1,457,409 | ..... | 2,248,220 | 1,011,252 | ..... | 1,104,255 | 440,157 |
| Total | 26 | 12,998,126 | 6,941,872 | 629,622 | 8,143,433 | 2,511,221 | 272,963 | 5,754,663 | 2,539,451 |
| Central States region: | | | | | | | | | |
| Kansas..... | 2 | 231,316 | 134,366 | ..... | 331,316 | 134,366 | ..... | ..... | ..... |
| Oklahoma..... | 3 | 247,704 | 133,905 | ..... | 233,364 | 82,453 | ..... | 114,340 | 51,453 |
| Texas..... | 7 | 2,826,117 | 1,079,311 | 77,809 | 1,342,450 | 616,864 | 37,800 | 1,482,667 | 562,437 |
| Total | 12 | 3,304,127 | 1,347,583 | 77,809 | 1,907,130 | 733,673 | 37,800 | 1,997,667 | 613,916 |
| North Central region: | | | | | | | | | |
| Iowa..... | 2 | 144,000 | 63,000 | ..... | ..... | ..... | ..... | 144,000 | 63,000 |
| Minnesota..... | 1 | 294,000 | 111,150 | ..... | ..... | ..... | ..... | 294,000 | 111,150 |
| Nebraska..... | 2 | 366,000 | 162,000 | ..... | 66,000 | 27,000 | ..... | 300,000 | 133,000 |
| South Dakota..... | 1 | 214,319 | 80,999 | ..... | ..... | ..... | ..... | 214,319 | 80,999 |
| Wisconsin..... | 6 | 1,121,666 | 461,666 | ..... | 1,055,966 | 433,786 | ..... | 66,000 | 27,900 |
| Total | 12 | 2,166,265 | 878,735 | ..... | 1,191,666 | 499,786 | ..... | 1,018,319 | 417,949 |
| Gulf States region: | | | | | | | | | |
| Arkansas..... | 1 | 83,240 | 37,458 | ..... | 83,240 | 37,458 | ..... | ..... | ..... |
| Kentucky..... | 3 | 597,787 | 197,133 | ..... | 473,248 | 160,346 | ..... | 124,539 | 36,789 |
| Mississippi..... | 3 | 583,000 | 239,950 | 108,025 | 255,500 | 92,475 | 88,000 | 327,500 | 147,475 |
| Total | 7 | 1,264,027 | 474,543 | 166,025 | 811,988 | 299,279 | 88,000 | 452,039 | 184,264 |
| Northwestern region: | | | | | | | | | |
| Idaho..... | 1 | 23,000 | 10,350 | ..... | ..... | ..... | ..... | 23,000 | 10,350 |
| Montana..... | 3 | 404,849 | 129,600 | 75,000 | 261,372 | 95,538 | 75,000 | 143,477 | 34,042 |
| Oregon..... | 1 | 192,532 | 77,495 | ..... | 192,532 | 77,495 | ..... | ..... | ..... |
| Washington..... | 3 | 225,455 | 89,555 | ..... | 44,250 | 18,000 | ..... | 181,235 | 71,865 |
| Total | 8 | 844,836 | 297,600 | 75,000 | 488,154 | 191,033 | 75,000 | 347,712 | 115,947 |
| Rocky Mountain region: | | | | | | | | | |
| Utah..... | 1 | 45,939 | 20,250 | ..... | 45,939 | 20,250 | ..... | ..... | ..... |
| Sierra Nevada region: | | | | | | | | | |
| Arizona..... | 2 | 291,818 | 130,819 | 61,000 | ..... | ..... | ..... | 291,818 | 130,819 |
| California..... | 11 | 3,657,947 | 1,139,458 | ..... | 2,160,925 | 697,436 | ..... | 1,497,022 | 442,022 |
| Nevada..... | 1 | 83,500 | 31,050 | ..... | 83,500 | 31,050 | ..... | ..... | ..... |
| Total | 14 | 4,023,265 | 1,301,227 | 61,000 | 2,344,425 | 728,498 | ..... | 1,788,840 | 572,841 |
| Grand total | 129 | 44,031,377 | 18,268,684 | 4,646,254 | 29,946,477 | 11,869,272 | 2,464,969 | 15,684,969 | 6,297,273 |

1 Includes playgrounds.

TABLE 8.—NUMBER OF NEW BUILDINGS AND ADDITIONS FOR DIFFERENT TYPES OF SCHOOLS ERECTED AND BEING CONSTRUCTED WITH PWA AID, 1933-36; NUMBER OF ROOMS, AUDITORIUMS, GYMNASIUMS, AUDITORIUM-GYMNASIUMS, AND LIBRARIES; AND COST, BY STATES AND REGIONS—Continued

JUNIOR HIGH SCHOOLS

| Region and State | Number of cities | Cost of new buildings and additions | | | Cost of new buildings | | | Cost of additions | | |
|-------------------------------------|------------------|-------------------------------------|------------------|---------------|-----------------------|------------------|---------------|-------------------|----------------|---------------|
| | | Total | PWA | | Total | PWA | | Total | PWA | |
| | | | Grants | Loans | | Grants | Loans | | Grants | Loans |
| 1 | 3 | 31 | 23 | 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| New England region: | | | | | | | | | | |
| Connecticut..... | 2 | \$270,530 | \$123,250 | | \$225,000 | \$101,250 | | \$45,530 | \$22,000 | |
| Massachusetts..... | 5 | 3,308,031 | 131,272 | \$41,745 | 2,232,440 | 58,155 | \$41,745 | 1,075,591 | 73,117 | |
| Rhode Island..... | 1 | 399,476 | 115,128 | | | | | 399,476 | 115,123 | |
| Total | 8 | 3,978,037 | 309,650 | 41,745 | 2,457,440 | 159,405 | 41,745 | 1,520,597 | 219,940 | |
| New York region: New York..... | 5 | 10,039,164 | 3,952,069 | 799,090 | 9,842,000 | 3,922,950 | 799,000 | 197,164 | 59,149 | |
| Middle Atlantic region: | | | | | | | | | | |
| Maryland..... | 1 | 102,365 | 46,064 | 56,301 | | | | 102,365 | 46,064 | \$56,301 |
| New Jersey..... | 1 | 448,766 | 214,364 | | | | | 448,766 | 214,364 | |
| Pennsylvania..... | 7 | 5,063,266 | 1,840,251 | | 3,100,964 | 1,207,039 | | 1,932,302 | 633,212 | |
| Total | 9 | 5,594,397 | 2,108,679 | 56,301 | 3,100,964 | 1,207,039 | 56,301 | 2,457,433 | 893,649 | 56,301 |
| South Atlantic region: Alabama..... | 1 | 63,058 | 17,655 | 45,398 | 63,053 | 17,655 | 45,398 | | | |
| Great Lakes region: | | | | | | | | | | |
| Illinois..... | 4 | 877,000 | 263,635 | | 777,000 | 218,635 | | 100,000 | 45,000 | |
| Michigan..... | 2 | 583,433 | 198,000 | | 408,433 | 130,500 | | 180,000 | 67,500 | |
| Ohio..... | 1 | 128,349 | 57,781 | | | | | 128,349 | 57,781 | |
| Total | 7 | 1,588,782 | 519,416 | | 1,185,433 | 349,135 | | 496,349 | 179,281 | |
| Central States region: | | | | | | | | | | |
| Kansas..... | 1 | 385,000 | 171,000 | | 385,000 | 171,000 | | | | |
| Oklahoma..... | 1 | 241,098 | 108,494 | | 998,478 | 224,543 | 99,000 | 241,098 | 108,494 | |
| Texas..... | 4 | 1,302,688 | 361,438 | 90,000 | 998,478 | 224,543 | 99,000 | 304,210 | 136,895 | |
| Total | 6 | 1,978,786 | 640,932 | 99,000 | 1,393,478 | 335,543 | 99,000 | 545,305 | 244,389 | |

| | | | | | | | | | |
|----------------------------------|-----------|-------------------|------------------|-------------------|------------------|--|----------------|------------------|------------------|
| North Central region: | | | | | | | | | |
| Iowa..... | 2 | 1,133,232 | 317,000 | 290,000 | 76,000 | | | 843,232 | 241,040 |
| Minnesota..... | 1 | 246,000 | 155,700 | 246,000 | 155,700 | | | | |
| Wisconsin..... | 2 | 700,000 | 247,500 | 700,000 | 247,500 | | | | |
| Total | 5 | 2,179,232 | 799,200 | 1,336,000 | 479,200 | | | 843,232 | 241,040 |
| Gulf States region: | | | | | | | | | |
| Arkansas..... | 1 | 100,000 | 45,200 | | | | | 100,000 | 45,000 |
| Kentucky..... | 2 | 324,043 | 162,222 | 324,043 | 162,222 | | | 111,000 | 49,950 |
| Mississippi..... | 2 | 111,000 | 49,950 | | | | | | 65,000 |
| Total | 5 | 545,043 | 257,172 | 324,043 | 162,222 | | | 211,000 | 64,950 |
| Northwestern region: | | | | | | | | | |
| Idaho..... | 1 | 444,000 | 210,000 | 444,000 | 210,000 | | | | |
| Oregon..... | 1 | 208,000 | 92,352 | | | | | 208,000 | 92,352 |
| Washington..... | 2 | 351,234 | 158,062 | 351,234 | 158,062 | | | | |
| Total | 4 | 1,003,234 | 460,414 | 795,234 | 368,062 | | | 206,000 | 92,352 |
| Sierra Nevada region: California | | | | | | | | | |
| ..... | 4 | 1,294,748 | 442,788 | 754,533 | 246,246 | | | 540,210 | 196,542 |
| Grand total | 54 | 26,266,466 | 9,511,069 | 21,347,193 | 7,267,447 | | 975,143 | 6,947,283 | 2,263,543 |

SENIOR HIGH SCHOOLS

| | | | | | | | | | |
|-------------------------|-----------|-------------------|------------------|------------------|------------------|--|------------------|------------------|----------------|
| New England region: | | | | | | | | | |
| Connecticut..... | 1 | \$206,000 | \$400,000 | \$206,000 | \$400,000 | | | \$283,709 | \$107,615 |
| Maine..... | 2 | 263,709 | 107,615 | 600,000 | 270,000 | | | | |
| New Hampshire..... | 1 | 600,000 | 270,000 | 600,000 | 270,000 | | | | |
| Massachusetts..... | 9 | 4,406,717 | 1,887,831 | 3,742,080 | 1,635,235 | | | 1,664,637 | 252,596 |
| Rhode Island..... | 1 | 3,874,814 | 1,163,000 | 3,874,814 | 1,163,000 | | | | |
| Total | 14 | 11,061,249 | 3,838,446 | 9,122,884 | 3,468,235 | | 2,841,964 | 1,928,346 | 369,211 |
| New York region: | | | | | | | | | |
| New York..... | 7 | 16,714,305 | 6,008,744 | 15,164,539 | 5,366,144 | | | 1,549,766 | 642,600 |
| Middle Atlantic region: | | | | | | | | | |
| Delaware..... | 1 | 1,968,921 | 468,867 | 1,902,239 | 435,000 | | | 66,682 | 33,867 |
| Maryland..... | 1 | 1,335,054 | 600,774 | 1,335,054 | 600,774 | | | | |
| New Jersey..... | 1 | 1,675,000 | 802,500 | 1,675,000 | 802,500 | | | | |
| Pennsylvania..... | 10 | 5,192,426 | 2,057,113 | 3,867,563 | 1,458,568 | | | 1,524,863 | 598,545 |
| Total | 13 | 16,171,401 | 3,629,254 | 8,679,546 | 2,968,843 | | 1,966,789 | 1,591,545 | 632,412 |

TABLE 8.—NUMBER OF NEW BUILDINGS AND ADDITIONS FOR DIFFERENT TYPES OF SCHOOLS ERECTED AND BEING CONSTRUCTED WITH PWA AID, 1933-36; NUMBER OF ROOMS, AUDITORIUMS, GYMNASIUMS, AUDITORIUM-GYMNASIUMS, AND LIBRARIES; AND COST, BY STATES AND REGIONS—Continued
SENIOR HIGH SCHOOLS—Continued

| Region and State | Number of cities | Cost of new buildings and additions | | | Cost of new buildings | | | Cost of additions | | |
|------------------------|------------------|-------------------------------------|-----------|-----------|-----------------------|-----------|-----------|-------------------|-----------|-----------|
| | | Total | PWA | | Total | PWA | | Total | PWA | |
| | | | Grants | Loans | | Grants | Loans | | Grants | Loans |
| 1 | 3 | 31 | 23 | 23 | 24 | 24 | 25 | 26 | 26 | 26 |
| South Atlantic region: | | | | | | | | | | |
| Alabama..... | 3 | \$283,038 | \$79,867 | \$191,671 | | | | | | |
| Georgia..... | 2 | 284,647 | 106,196 | | \$224,647 | | \$106,196 | | \$79,867 | \$191,671 |
| North Carolina..... | 1 | 32,000 | 11,200 | 20,800 | | | | | 11,200 | 20,800 |
| South Carolina..... | 2 | 70,900 | 17,100 | | 32,763 | 9,628 | | | 11,200 | 20,800 |
| Virginia..... | 4 | 792,369 | 355,891 | | 792,369 | 355,891 | | | 7,272 | |
| Total..... | 13 | 1,413,864 | 579,264 | 212,471 | 1,699,679 | 471,915 | | | 93,339 | 212,471 |
| Great Lakes region: | | | | | | | | | | |
| Illinois..... | 9 | 4,083,612 | 1,730,936 | 290,977 | 4,852,959 | 750,806 | | \$188,627 | 970,130 | 102,350 |
| Indiana..... | 1 | 263,366 | 102,375 | | 263,366 | 102,375 | | | | |
| Michigan..... | 2 | 1,407,164 | 633,111 | 119,000 | 1,081,914 | 489,861 | | | 148,250 | 119,000 |
| Ohio..... | 1 | 68,647 | 27,821 | | | | | | 27,821 | |
| Total..... | 13 | 6,823,699 | 2,494,243 | 409,977 | 8,301,899 | 1,349,643 | | 188,627 | 1,144,201 | 271,350 |
| Central States region: | | | | | | | | | | |
| Kansas..... | 1 | 2,250,000 | 557,000 | | 2,250,000 | 557,000 | | | | |
| Texas..... | 5 | 3,638,607 | 1,357,156 | 250,000 | 2,866,791 | 1,042,606 | | 250,000 | 314,550 | |
| Total..... | 6 | 5,888,607 | 1,914,156 | 250,000 | 5,166,791 | 1,599,606 | | 250,000 | 314,550 | |
| North Central region: | | | | | | | | | | |
| North Dakota..... | 1 | 440,000 | 119,000 | 203,000 | 440,000 | 119,000 | | | | 203,000 |
| South Dakota..... | 2 | 479,000 | 207,727 | 254,000 | 479,000 | 207,727 | | | | 254,000 |
| Wisconsin..... | 2 | 1,366,200 | 606,250 | | 1,366,200 | 606,250 | | | | |
| Total..... | 5 | 2,314,300 | 931,977 | 457,000 | 2,314,300 | 931,977 | | 457,000 | | 457,000 |

| | | | | | | | | | | | | |
|-------------------------|----|------------|------------|------------|------------|------------|------------|--|--|-----------|-----------|---------|
| Grand States region: | 1 | 121,510 | 34,920 | 44,000 | 350,000 | | | | | 121,510 | 34,920 | 44,000 |
| Kentucky..... | 2 | 430,000 | 56,000 | 44,000 | 350,000 | | | | | 80,000 | 56,000 | 44,000 |
| Mississippi..... | 3 | 551,510 | 90,920 | 44,000 | 350,000 | | | | | 201,510 | 90,920 | 44,000 |
| Total..... | | | | | | | | | | | | |
| Northwestern region: | | | | | | | | | | | | |
| Montana..... | 1 | 521,000 | 141,000 | 380,000 | 521,000 | 141,000 | 380,000 | | | | | |
| Oregon..... | 1 | 769,618 | 329,621 | 380,000 | 769,618 | 329,621 | | | | 137,688 | 61,959 | |
| Washington..... | 3 | 1,099,438 | 428,709 | | 961,750 | 366,750 | | | | | | |
| Total..... | | | | | | | | | | | | |
| Rocky Mountain region: | | | | | | | | | | | | |
| Colorado..... | 1 | 556,000 | 249,000 | | 556,000 | 249,000 | | | | | | |
| Sierra Nevada region: | | | | | | | | | | | | |
| California..... | 7 | 2,000,856 | 983,000 | | 2,238,673 | 847,420 | | | | 422,185 | 136,189 | |
| Grand total..... | | | | | | | | | | | | |
| | 96 | 10,527,729 | 21,509,933 | 15,009,443 | 49,947,029 | 18,108,552 | 14,329,671 | | | 9,609,481 | 3,481,881 | 799,371 |

JUNIOR-SENIOR HIGH SCHOOLS

| | | | | | | | | | | | | |
|-------------------------|---|-----------|---------|----------|-----------|----------|-----------|--|--|-----------|---------|----------|
| New England region: | | | | | | | | | | | | |
| Connecticut..... | 1 | \$18,000 | \$5,400 | \$12,600 | \$125,000 | \$49,550 | | | | \$18,000 | \$5,400 | \$12,600 |
| New Hampshire..... | 1 | 125,000 | 49,550 | | 628,000 | 138,150 | | | | | | |
| Massachusetts..... | 1 | 328,000 | 138,150 | | 514,000 | 184,200 | | | | | | |
| Rhode Island..... | 1 | 514,000 | 154,200 | | 967,000 | 341,000 | | | | 18,000 | 5,400 | 12,600 |
| Total..... | | | | | | | | | | | | |
| Middle Atlantic region: | | | | | | | | | | | | |
| New Jersey..... | 3 | 1,685,909 | 472,909 | 440,000 | 1,050,909 | 472,909 | \$440,000 | | | 635,000 | 79,868 | 141,000 |
| Pennsylvania..... | 4 | 680,182 | 286,050 | 141,000 | 458,182 | 205,182 | | | | 222,000 | 79,868 | 141,000 |
| Total..... | | | | | | | | | | | | |
| South Atlantic region: | | | | | | | | | | | | |
| Alabama..... | 2 | 96,177 | 30,390 | 59,787 | | | | | | 96,177 | 30,390 | 59,787 |
| Georgia..... | 1 | 42,400 | 19,980 | | 42,400 | 19,980 | | | | | | |
| North Carolina..... | 1 | 99,888 | 26,980 | 72,908 | 99,888 | 26,980 | | | | 12,500 | 4,100 | |
| Virginia..... | 1 | 12,500 | 4,100 | | | | | | | | | |
| Total..... | | | | | | | | | | | | |
| Great Lakes region: | | | | | | | | | | | | |
| Illinois..... | 2 | 347,352 | 156,308 | 11,193 | | | | | | 347,352 | 156,308 | 11,193 |
| Indiana..... | 2 | 553,360 | 249,560 | | | | | | | 553,360 | 249,560 | |
| Ohio..... | 2 | 827,009 | 369,849 | | | | | | | 827,009 | 369,849 | |
| Total..... | | | | | | | | | | | | |
| | 6 | 1,727,721 | 715,717 | 11,193 | | | | | | 1,727,721 | 715,717 | 11,193 |

TABLE 8.—NUMBER OF NEW BUILDINGS AND ADDITIONS FOR DIFFERENT TYPES OF SCHOOLS ERECTED AND BEING CONSTRUCTED WITH PWA AID, 1933-36; NUMBER OF ROOMS, AUDITORIUMS, GYMNASIUMS, AUDITORIUM-GYMNASIUMS, AND LIBRARIES; AND COST, BY STATES AND REGIONS—Continued

JUNIOR-SENIOR HIGH SCHOOLS—Continued

| Region and State | Num-ber of cities | Cost of new buildings and additions | | | Cost of new buildings | | | Cost of additions | | |
|--------------------------|-------------------|-------------------------------------|------------------|----------------|-----------------------|------------------|----------------|-------------------|------------------|----------------|
| | | Total | PWA | | Total | PWA | | Total | PWA | |
| | | | Grants | Loans | | Grants | Loans | | Grants | Loans |
| 1 | 3 | 31 | 23 | 23 | 34 | 25 | 26 | 27 | 28 | 29 |
| Central States region: | 2 | \$546,004 | \$192,418 | | \$348,586 | \$104,567 | | \$197,448 | \$68,851 | |
| Texas..... | | | | | | | | | | |
| North Central region: | 1 | 270,127 | 119,455 | \$160,000 | 270,127 | 119,455 | \$150,000 | | | |
| North Dakota..... | 3 | 634,125 | 222,570 | | 506,575 | 222,570 | | 127,550 | | |
| Wisconsin..... | | | | | | | | | | |
| Total | 4 | 941,353 | 342,025 | 150,000 | 776,702 | 342,025 | 150,000 | 177,550 | | |
| Gulf States region: | 3 | 500,092 | 177,750 | 101,750 | | | | 500,092 | 177,750 | \$101,750 |
| Kentucky..... | | | | | | | | | | |
| Northwestern region: | 1 | 320,000 | 96,000 | | | | | 320,000 | 96,000 | |
| Montana..... | 1 | 110,000 | 31,500 | | | | | 110,000 | 31,500 | |
| Washington..... | | | | | | | | | | |
| Total | 3 | 430,000 | 127,500 | | | | | 430,000 | 127,500 | |
| Grand total | 23 | 7,716,125 | 2,963,319 | 969,326 | 3,743,637 | 1,573,643 | 662,966 | 3,966,433 | 1,269,576 | 339,339 |

COMBINED ELEMENTARY AND HIGH SCHOOLS

| | | | | | | | | | | |
|------------------------|---|-----------|-----------|--|-----------|-----------|--|-----------|-----------|--|
| New England region: | 1 | \$669,900 | \$110,000 | | | | | \$369,900 | \$110,000 | |
| Rhode Island..... | | | | | | | | | | |
| New York region: | 2 | 490,970 | 204,278 | | \$437,018 | \$180,000 | | 53,952 | 24,278 | |
| New York..... | | | | | | | | | | |
| South Atlantic region: | 1 | 12,000 | 3,600 | | 12,000 | 3,600 | | | | |
| South Carolina..... | | | | | | | | | | |

SCHOOL BUILDING SITUATION AND NEEDS

| | | | | | | | | | | | | | |
|----------------------------|----|-----------|-----------|----------|-----------|---------|--|--|--|--|-----------|---------|----------|
| Great Lakes region: | | | | | | | | | | | | | |
| Illinois..... | 2 | 1,043,000 | 456,500 | | 263,000 | 119,000 | | | | | 750,000 | 337,500 | |
| Central States region: | | | | | | | | | | | | | |
| Massachusetts..... | 3 | 398,416 | 146,551 | \$12,600 | 200,238 | 60,071 | | | | | 198,178 | 86,480 | \$12,000 |
| Texas..... | 1 | 392,840 | 84,600 | | 392,840 | 84,500 | | | | | | | |
| North Central region: | | | | | | | | | | | | | |
| Minnesota..... | 1 | 150,000 | 36,000 | 114,000 | 347,120 | 172,636 | | | | | 150,000 | 30,000 | 114,000 |
| Gulf States region: | | | | | | | | | | | | | |
| Arkansas..... | 1 | 347,120 | 172,636 | | 347,120 | 172,636 | | | | | | | |
| Kentucky..... | 3 | 497,139 | 266,638 | 114,000 | 347,120 | 172,636 | | | | | 150,000 | 30,000 | 114,000 |
| Total | | | | | | | | | | | | | |
| Grand total | 13 | 3,264,246 | 1,314,945 | 136,600 | 1,853,316 | 619,967 | | | | | 1,537,039 | 594,256 | 136,000 |

VOCATIONAL AND TRADE SCHOOLS

| | | | | | | | | | | | | | |
|----------------------------|----|------------|-----------|-----------|------------|-----------|--|-----------|--|--|-----------|-----------|----------|
| New England region: | | | | | | | | | | | | | |
| Massachusetts..... | 1 | \$392,425 | \$104,693 | \$311,000 | \$392,425 | \$104,693 | | \$311,000 | | | | | |
| New York region: | | | | | | | | | | | | | |
| New York..... | 3 | 1,869,375 | 523,856 | 1,200,456 | 1,869,375 | 523,856 | | 1,200,456 | | | | | |
| Middle Atlantic region: | | | | | | | | | | | | | |
| New Jersey..... | 1 | 484,608 | 198,000 | | 484,608 | 198,000 | | | | | | | |
| Pennsylvania..... | 4 | 6,460,204 | 2,864,251 | | 5,850,100 | 2,639,795 | | | | | \$600,104 | \$214,450 | |
| Total | 5 | 6,904,813 | 3,063,351 | | 6,334,766 | 3,037,795 | | | | | 600,104 | 214,450 | |
| South Atlantic region: | | | | | | | | | | | | | |
| North Carolina..... | 1 | 27,939 | 7,546 | 20,393 | | | | | | | 27,939 | 7,546 | \$20,393 |
| Great Lakes region: | | | | | | | | | | | | | |
| Ohio..... | 2 | 1,754,476 | 778,014 | | 1,650,000 | 731,000 | | | | | 104,476 | 47,014 | |
| Central States region: | | | | | | | | | | | | | |
| Kansas..... | 1 | 125,000 | 56,250 | | 125,000 | 56,250 | | | | | | | |
| Texas..... | 1 | 60,200 | 27,090 | | | | | | | | 60,200 | 27,090 | |
| Total | 3 | 184,399 | 83,349 | | 125,000 | 56,250 | | | | | 60,200 | 27,090 | |
| Gulf States region: | | | | | | | | | | | | | |
| Mississippi..... | 1 | 20,600 | 9,000 | 11,000 | 20,600 | 9,000 | | 11,000 | | | | | |
| Sierra Nevada region: | | | | | | | | | | | | | |
| California..... | 2 | 290,772 | 102,455 | | 290,772 | 102,455 | | | | | | | |
| Grand total | 17 | 11,474,999 | 4,661,155 | 1,551,849 | 10,653,369 | 4,365,649 | | 1,531,456 | | | 793,719 | 296,106 | 20,393 |

TABLE 8.—NUMBER OF NEW BUILDINGS AND ADDITIONS FOR DIFFERENT TYPES OF SCHOOLS ERECTED AND BEING CONSTRUCTED WITH PWA AID, 1933-36; NUMBER OF ROOMS, AUDITORIUMS, GYMNASIUMS, AUDITORIUM-GYMNASIUMS, AND LIBRARIES; AND COST, BY STATES AND REGIONS—Continued

JUNIOR COLLEGES

| Region and State | Number of cities | Cost of new buildings and additions | | | Cost of new buildings | | | Cost of additions | | |
|------------------------|------------------|-------------------------------------|-----------|-------|-----------------------|-----------|-------|-------------------|-----------|-------|
| | | Total | PWA | | Total | PWA | | Total | PWA | |
| | | | Grants | Loans | | Grants | Loans | | Grants | Loans |
| 1 | 3 | 31 | 23 | 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| Central States region: | | | | | | | | | | |
| Kansas..... | 2 | \$612,500 | \$312,573 | | \$612,500 | \$312,573 | | | | |
| Tennessee..... | 3 | 641,600 | 288,761 | | 641,600 | 288,761 | | | | |
| Total..... | 5 | 1,254,100 | 601,334 | | 1,254,100 | 601,334 | | | | |
| Sierra Nevada region: | | | | | | | | | | |
| California..... | 4 | 2,224,562 | 705,945 | | 1,733,481 | 484,145 | | \$491,111 | \$221,000 | |
| Grand total..... | 9 | 3,478,662 | 1,307,279 | | 2,967,261 | 1,089,279 | | 491,111 | 221,000 | 29 |

MISCELLANEOUS BUILDINGS

| | | | | | | | | | | |
|---|---|-----------|-----------|--|-----------|----------|--|-----------|-----------|--|
| New England region: | | | | | | | | | | |
| Massachusetts (special classes)..... | 1 | \$167,153 | | | \$167,153 | | | | | |
| New York region: | | | | | | | | | | |
| New York (trade school and other)..... | 2 | 480,788 | \$216,000 | | 180,788 | \$81,000 | | \$300,000 | \$135,000 | |
| Middle Atlantic region: | | | | | | | | | | |
| Delaware (prevocational)..... | 1 | 83,047 | 35,867 | | | | | 83,047 | 35,867 | |
| New Jersey (field house and stadium)..... | 1 | 35,636 | 15,760 | | 35,636 | 15,760 | | | | |
| Pennsylvania (1) household arts building, (2) athletic stadium, (3) orthopedic school, (4) field houses and athletic fields)..... | 4 | 725,200 | | | 725,200 | 316,036 | | | | |
| Total..... | 6 | 843,883 | 307,635 | | 760,838 | 231,766 | | | | |

SCHOOL BUILDING SITUATION AND NEEDS

| | | | | | | | | | | | | |
|---|-----------|------------------|------------------|------------------|---------------|---------------|------------------|---------------|------------------|----------------|----------------|--------------|
| South Atlantic region: | | | | | | | | | | | | |
| Georgia (remodelling) | 1 | 9,484 | 4,268 | 4,268 | | | | | | | | |
| North Carolina (gymnasium) | 1 | 10,000 | 7,000 | 7,000 | | | | | | | | |
| Virginia (stadium) | 1 | 62,267 | 17,600 | 17,600 | | | | | | | | |
| Total | 3 | 81,751 | 26,068 | 26,068 | | | | | | | | |
| Great Lakes region: | | | | | | | | | | | | |
| Illinois (band building and athletic field) | 1 | 10,000 | 4,730 | 4,730 | \$5,940 | | | | | | | \$5,940 |
| Indiana (Physically handicapped and athletic stadium) | 2 | 268,097 | 107,214 | 107,214 | | | | | | | | |
| Michigan (Wayne University) | 1 | 165,092 | 74,260 | 74,260 | | | | | | | | |
| Ohio (field house and central heating plant) | 2 | 61,187 | 22,591 | 22,591 | | | | | | | | |
| Total | 6 | 495,376 | 208,815 | 208,815 | 4,940 | | | | | | | 4,940 |
| Central States region: | | | | | | | | | | | | |
| Kansas (auditorium-gymnasium) | 1 | 180,000 | 81,000 | 81,000 | | | | | | | | |
| Missouri (stadium) | 1 | 73,775 | 47,144 | 47,144 | | | | | | | | |
| Oklahoma (athletic stadium) | 1 | 26,000 | 26,000 | 26,000 | | | | | | | | |
| Texas ((1) garage, (2) athletic field, (3) industrial arts, band room, and gymnasium) | 3 | 110,150 | 40,941 | 40,941 | | | | | | | | |
| Total | 6 | 390,025 | 185,285 | 185,285 | | | | | | | | |
| North Central region: | | | | | | | | | | | | |
| Minnesota (stadium enlargement) | 1 | 25,920 | 7,776 | 7,776 | | | | | | | | |
| Wisconsin (auditorium, classrooms, and cafeteria) | 1 | 315,000 | 88,000 | 88,000 | | | | | | | | |
| Total | 2 | 340,920 | 95,776 | 95,776 | | | | | | | | |
| Gulf States region: | | | | | | | | | | | | |
| Mississippi (auditorium-gymnasium, and remodeling heating plant) | 2 | 84,363 | 34,363 | 34,363 | 45,000 | | | | | | | |
| Sierra Nevada region: | | | | | | | | | | | | |
| California (handicapped children and school administration building) | 2 | 423,298 | 145,807 | 145,807 | | | | | | | | |
| Grand total | 29 | 3,306,197 | 1,306,367 | 1,306,367 | 54,940 | 45,000 | 1,004,348 | 45,000 | 1,004,348 | 699,793 | 281,971 | 5,940 |

TABLE 9.—NUMBER AND KIND OF NEW BUILDINGS AND ADDITIONS, TOTAL COST AND AMOUNT OF PWA GRANTS AND LOANS, FOR CITIES OF 10,000 POPULATION AND OVER WHICH HAD CONSTRUCTED SCHOOL BUILDINGS WITH PWA AID; BY STATES AND REGIONS, AND BY TYPES OF SCHOOLS

| Kinds of buildings by region and State | Num-ber of cities | Number of new build-ings and additions | | | Cost of new buildings and additions | | | | Cost of new buildings | | | | Cost of additions | | | |
|--|-------------------|--|----------------|------------|-------------------------------------|------------------|----------------|------------------|-----------------------|------------------|----------------|------------------|-------------------|----------------|--------|-------|
| | | Total | New build-ings | Addi-tions | Total | PWA | | Total | PWA | | Total | PWA | | Total | Grants | Loans |
| | | | | | | Grants | Loans | | Grants | Loans | | Grants | Loans | | | |
| 1 | 3 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | | | |
| New England region: | | | | | | | | | | | | | | | | |
| Connecticut: | | | | | | | | | | | | | | | | |
| Elementary..... | 6 | 6 | 3 | 3 | \$420,000 | \$287,337 | ..... | \$311,892 | ..... | \$113,892 | ..... | \$173,445 | ..... |  |  |  |
| Junior high..... | 2 | 2 | 1 | 1 | 270,630 | 123,250 | ..... | 225,000 | ..... | 101,250 | ..... | 22,000 | ..... |  |  |  |
| Senior high..... | 1 | 1 | 1 | 1 | 906,060 | 400,000 | ..... | 906,000 | ..... | 400,000 | ..... | ..... | ..... |  |  |  |
| Junior-senior high..... | 1 | 1 | 1 | 1 | 18,000 | 5,400 | ..... | 18,000 | ..... | ..... | ..... | 5,400 | ..... | \$12,600 | | |
| Total..... | 10 | 10 | 5 | 5 | 1,614,690 | 816,987 | 12,600 | 1,442,892 | 616,143 | 172,697 | 240,845 | 12,600 | 12,600 | | | |
| Maine: | | | | | | | | | | | | | | | | |
| Elementary..... | 1 | 1 | 1 | 1 | 78,237 | 35,206 | ..... | 78,237 | ..... | 35,206 | ..... | ..... | ..... |  |  |  |
| Senior high..... | 2 | 2 | 2 | 2 | 263,709 | 107,615 | ..... | 263,709 | ..... | 107,615 | ..... | ..... | ..... |  |  |  |
| Total..... | 3 | 3 | 1 | 3 | 341,946 | 142,821 | ..... | 78,237 | 35,206 | 263,709 | 107,615 | ..... | ..... |  |  |  |
| New Hampshire: | | | | | | | | | | | | | | | | |
| Senior high..... | 1 | 1 | 1 | 1 | 600,000 | 270,000 | ..... | 600,000 | ..... | 270,000 | ..... | ..... | ..... |  |  |  |
| Junior-senior high..... | 1 | 1 | 1 | 1 | 125,000 | 49,550 | ..... | 125,000 | ..... | 49,550 | ..... | ..... | ..... |  |  |  |
| Total..... | 2 | 2 | 2 | 2 | 725,000 | 319,550 | ..... | 725,000 | 319,550 | 270,000 | 49,550 | ..... | ..... |  |  |  |
| Massachusetts: | | | | | | | | | | | | | | | | |
| Elementary..... | 3 | 6 | 1 | 1 | 808,832 | 271,179 | 175,000 | 734,323 | 238,509 | 600,000 | 175,000 | 175,000 | 32,670 | | | |
| Junior high..... | 5 | 9 | 3 | 3 | 3,308,031 | 1,312,272 | 41,745 | 2,232,440 | 58,155 | 125,000 | 41,745 | 41,745 | 73,117 | | | |
| Senior high..... | 9 | 12 | 7 | 7 | 5,408,717 | 1,887,831 | 360,800 | 3,742,080 | 1,636,235 | 125,000 | 129,250 | 129,250 | 252,596 | | | |
| Junior-senior high..... | 1 | 1 | 1 | 1 | 328,000 | 138,150 | ..... | 328,000 | 138,150 | ..... | ..... | ..... | ..... |  |  |  |
| Vocational and trade..... | 1 | 1 | 1 | 1 | 392,425 | 104,693 | 311,000 | 392,425 | 104,693 | ..... | ..... | ..... | ..... |  |  |  |
| Miscellaneous..... | 1 | 1 | 1 | 1 | 167,153 | 167,153 | ..... | 167,153 | ..... | ..... | ..... | ..... | ..... |  |  |  |
| Total..... | 20 | 30 | 11 | 11 | 10,411,158 | 2,523,125 | 888,545 | 7,596,421 | 1,174,742 | 2,174,742 | 656,995 | 2,174,737 | 359,393 | 231,550 | | |

SCHOOL BUILDING SITUATION AND NEEDS

| | | | | | | | | | | | | |
|----------------------------------|-----------|-----------|-----------|-----------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------|
| Rhode Island: | | | | | | | | | | | | |
| Elementary | 1 | 1 | 1 | 1 | 87,300 | 194,000 | 87,300 | 87,300 | 194,000 | 87,300 | 87,300 | 115,123 |
| Junior high | 1 | 1 | 1 | 1 | 116,123 | 399,476 | 116,123 | 116,123 | 399,476 | 116,123 | 116,123 | 115,123 |
| Senior high | 1 | 2 | 2 | 2 | 1,163,000 | 3,874,814 | 1,163,000 | 1,163,000 | 3,874,814 | 1,163,000 | 1,163,000 | 1,163,000 |
| Junior-senior high | 1 | 1 | 1 | 1 | 154,200 | 514,000 | 154,200 | 154,200 | 514,000 | 154,200 | 154,200 | 154,200 |
| Combined elementary and high | 1 | 7 | 7 | 7 | 110,000 | 369,900 | 110,000 | 110,000 | 369,900 | 110,000 | 110,000 | 110,000 |
| Total | 5 | 13 | 4 | 8 | 1,629,623 | 4,863,914 | 1,629,623 | 1,629,623 | 4,863,914 | 1,629,623 | 1,629,623 | 2,711,814 |
| Total, New England region | | | | | | | | | | | | |
| New York: | | | | | | | | | | | | |
| Elementary | 10 | 26 | 16 | 10 | 3,380,795 | 8,660,780 | 3,380,795 | 2,850,052 | 6,239,546 | 2,437,451 | 2,231,950 | 943,344 |
| Junior high | 5 | 12 | 9 | 3 | 3,982,090 | 10,039,164 | 3,982,090 | 789,000 | 9,842,000 | 3,922,950 | 789,000 | 59,140 |
| Senior high | 7 | 13 | 10 | 3 | 6,008,744 | 16,714,205 | 6,008,744 | 8,296,600 | 15,164,559 | 5,396,144 | 8,296,600 | 642,000 |
| Combined elementary and high | 2 | 2 | 1 | 1 | 490,970 | 1,490,970 | 204,278 | 437,018 | 1,053,952 | 180,000 | 1,209,456 | 24,278 |
| Vocational and trade | 3 | 3 | 2 | 1 | 4,869,375 | 14,869,375 | 4,869,375 | 1,809,375 | 13,060,000 | 523,856 | 1,285,524 | 135,000 |
| Miscellaneous | 2 | 2 | 1 | 1 | 490,788 | 1,490,788 | 216,000 | 190,788 | 1,300,000 | 81,000 | 1,219,000 | 135,000 |
| Total | 29 | 58 | 39 | 19 | 28,315,822 | 74,315,822 | 14,315,822 | 13,148,668 | 65,000,000 | 12,511,461 | 12,537,996 | 1,994,371 |
| Total, New York region | | | | | | | | | | | | |
| Middle Atlantic region: | | | | | | | | | | | | |
| Delaware: | | | | | | | | | | | | |
| Senior high | 1 | 2 | 1 | 1 | 468,867 | 1,968,921 | 468,867 | 468,867 | 1,968,921 | 435,000 | 435,000 | 73,867 |
| Miscellaneous | 1 | 1 | 1 | 1 | 83,047 | 83,047 | 83,047 | 83,047 | 83,047 | 83,047 | 83,047 | 33,867 |
| Total | 2 | 3 | 2 | 2 | 551,914 | 2,051,968 | 551,914 | 551,914 | 2,051,968 | 518,047 | 518,047 | 107,734 |
| Maryland: | | | | | | | | | | | | |
| Elementary | 1 | 8 | 1 | 7 | 335,610 | 1,025,304 | 335,610 | 689,694 | 165,107 | 41,309 | 123,798 | 294,301 |
| Junior high | 1 | 1 | 1 | 1 | 46,064 | 102,365 | 46,064 | 56,301 | 102,365 | 600,774 | 734,280 | 46,064 |
| Senior high | 1 | 1 | 1 | 1 | 600,774 | 1,335,054 | 600,774 | 734,280 | 1,335,054 | 600,774 | 734,280 | 46,064 |
| Total | 3 | 10 | 3 | 9 | 982,448 | 2,462,723 | 982,448 | 1,480,275 | 2,992,526 | 1,642,857 | 1,832,358 | 586,429 |
| New Jersey: | | | | | | | | | | | | |
| Elementary | 3 | 3 | 3 | 3 | 339,909 | 1,121,385 | 339,909 | 211,000 | 1,121,385 | 339,909 | 211,000 | 214,364 |
| Junior high | 1 | 1 | 1 | 1 | 214,364 | 448,756 | 214,364 | 214,364 | 448,756 | 214,364 | 214,364 | 214,364 |
| Senior high | 1 | 1 | 1 | 1 | 502,500 | 1,675,000 | 502,500 | 1,172,500 | 1,675,000 | 502,500 | 1,172,500 | 502,500 |
| Junior-senior high | 3 | 3 | 2 | 1 | 472,909 | 1,683,909 | 472,909 | 440,000 | 1,683,909 | 472,909 | 440,000 | 472,909 |
| Vocational and trade | 1 | 1 | 1 | 1 | 198,000 | 484,608 | 198,000 | 198,000 | 484,608 | 198,000 | 198,000 | 198,000 |
| Miscellaneous | 1 | 1 | 1 | 1 | 15,750 | 6,636 | 15,750 | 15,750 | 6,636 | 15,750 | 15,750 | 15,750 |
| Total | 10 | 10 | 8 | 8 | 1,743,432 | 5,451,234 | 1,743,432 | 1,823,660 | 5,451,234 | 1,823,660 | 1,823,660 | 214,364 |

TABLE 9.—NUMBER AND KIND OF NEW BUILDINGS AND ADDITIONS, TOTAL COST AND AMOUNT OF PWA GRANTS AND LOANS, FOR CITIES OF 10,000 POPULATION AND OVER WHICH HAD CONSTRUCTED SCHOOL BUILDINGS WITH PWA AID; BY STATES AND REGIONS, AND BY TYPES OF SCHOOLS—Continued

| Kinds of buildings by region and State | Number of cities | Number of new buildings and additions | | | Cost of new buildings and additions | | | | Cost of new buildings | | | | Cost of additions | | |
|---|------------------|---------------------------------------|---------------|-----------|-------------------------------------|-------------------|----------------|-------------------|-----------------------|----------------|------------------|------------------|-------------------|----------------|--|
| | | Total | New buildings | Additions | Total | PWA | | Total | PWA | | Total | PWA | | | |
| | | | | | | Grants | Loans | | Grants | Loans | | Grants | Loans | | |
| 1 | 3 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | |
| Middle Atlantic region—(Con.) | | | | | | | | | | | | | | | |
| Pennsylvania: | | | | | | | | | | | | | | | |
| Elementary..... | 10 | 25 | 18 | 7 | \$6,063,006 | \$2,079,429 | | \$5,983,576 | \$2,480,529 | | \$497,280 | \$198,900 | | | |
| Junior high..... | 7 | 9 | 4 | 5 | 5,023,266 | 1,840,251 | | 3,183,015 | 1,207,039 | | 1,932,302 | 833,212 | | | |
| Senior high..... | 10 | 10 | 4 | 6 | 5,192,426 | 2,057,113 | | 3,135,313 | 1,458,568 | | 1,676,745 | 598,545 | | | |
| Junior-senior high..... | 4 | 4 | 2 | 2 | 680,182 | 286,050 | \$141,000 | | 204,132 | | 272,000 | 79,868 | | | |
| Vocational and trade..... | 4 | 5 | 3 | 2 | 6,480,204 | 2,854,251 | | 5,625,953 | 2,639,795 | | 600,104 | 4,79,868 | | | |
| Miscellaneous..... | 4 | 5 | 5 | | 725,200 | 316,086 | | 409,114 | 316,086 | | 600,104 | 214,456 | | | |
| Total..... | 39 | 56 | 36 | 33 | 34,174,364 | 16,933,139 | | 17,241,225 | 8,296,149 | | 4,776,449 | 1,734,901 | | 141,000 | |
| Total, Middle Atlantic region..... | 64 | 81 | 47 | 34 | 34,148,269 | 13,363,744 | | 20,784,525 | 10,916,369 | | 6,972,898 | 2,348,444 | | 763,197 | |
| South Atlantic region: | | | | | | | | | | | | | | | |
| Alabama: | | | | | | | | | | | | | | | |
| Elementary..... | 2 | 2 | 2 | | 92,506 | 41,627 | 50,879 | 92,506 | 41,627 | 50,879 | | | | | |
| Junior high..... | 1 | 1 | 1 | | 63,053 | 17,655 | 45,398 | 63,053 | 17,655 | 45,398 | | | | | |
| Senior high..... | 3 | 5 | | 5 | 283,038 | 79,867 | 191,671 | 283,038 | 79,867 | 191,671 | | | | | |
| Junior-senior high..... | 2 | 2 | | 2 | 96,177 | 30,300 | 59,787 | 96,177 | 30,300 | 59,787 | | | | | |
| Total..... | 6 | 10 | 3 | 7 | 434,774 | 169,439 | 347,735 | 434,774 | 169,439 | 347,735 | | | | | |
| Georgia: | | | | | | | | | | | | | | | |
| Elementary..... | 2 | 6 | 4 | 2 | 361,694 | 162,666 | | 314,780 | 141,587 | | 46,914 | 21,079 | | | |
| Senior high..... | 2 | 2 | 2 | | 234,547 | 106,196 | | 234,547 | 106,196 | | | | | | |
| Junior-senior high..... | 1 | 1 | 1 | | 42,400 | 19,080 | | 42,400 | 19,080 | | | | | | |
| Miscellaneous..... | 1 | | | | 9,484 | 4,208 | | 9,484 | 4,208 | | | | | | |
| Total..... | 6 | 9 | 7 | 2 | 648,125 | 292,150 | | 591,737 | 264,943 | | 54,394 | 23,247 | | | |

SCHOOL BUILDING SITUATION AND NEEDS

| | | | | | | | | | | | | | |
|--|-----------|-----------|-----------|-----------|-------------------|------------------|----------------|------------------|------------------|----------------|------------------|------------------|----------------|
| North Carolina: | | | | | | | | | | | | | |
| Elementary..... | 4 | 17 | 10 | 7 | 514,099 | 172,770 | 251,082 | 284,098 | 80,409 | 107,489 | 230,001 | 94,161 | 14,483 |
| Senior high..... | 1 | 1 | 1 | 1 | 32,000 | 11,200 | 20,800 | 99,888 | 26,980 | 72,908 | 32,000 | 11,200 | 20,800 |
| Junior-senior high..... | 1 | 1 | 1 | 1 | 99,888 | 26,980 | 72,908 | 99,888 | 26,980 | 72,908 | 27,939 | 7,546 | 20,393 |
| Vocational and trade..... | 1 | 1 | 1 | 1 | 27,939 | 7,546 | 20,393 | 10,000 | 7,000 | | | | |
| Miscellaneous..... | 1 | 1 | 1 | 1 | 10,000 | 7,000 | 20,393 | | | | | | |
| Total..... | 8 | 31 | 13 | 9 | 664,896 | 235,496 | 378,663 | 388,886 | 129,559 | 379,397 | 289,940 | 104,997 | 165,866 |
| South Carolina: | | | | | | | | | | | | | |
| Elementary..... | 2 | 6 | 2 | 4 | 155,229 | 66,573 | | 31,822 | 9,546 | | 123,407 | 57,027 | |
| Senior high..... | 2 | 2 | 1 | 1 | 70,900 | 17,100 | | 32,763 | 9,828 | | 38,137 | 7,272 | |
| Combined elementary and high..... | 1 | 1 | 1 | 1 | 12,000 | 3,600 | | 12,000 | 3,600 | | | | |
| Total..... | 5 | 9 | 4 | 6 | 238,129 | 87,273 | | 76,585 | 23,974 | | 161,544 | 64,299 | |
| Virginia: | | | | | | | | | | | | | |
| Elementary..... | 3 | 5 | 4 | 5 | 362,771 | 155,084 | | 792,369 | 355,891 | | 362,771 | 155,084 | |
| Senior high..... | 4 | 4 | 4 | 1 | 792,369 | 355,891 | | 4,100 | 17,500 | | 12,500 | 4,100 | |
| Junior-senior high..... | 1 | 1 | 1 | 1 | 62,257 | 17,500 | | 62,257 | 17,500 | | | | |
| Miscellaneous..... | 1 | 1 | 1 | 1 | 62,257 | 17,500 | | | | | | | |
| Total..... | 9 | 11 | 5 | 6 | 1,229,697 | 532,575 | | 854,626 | 373,391 | | 375,271 | 159,184 | |
| Total, South Atlantic region..... | | | | | | | | | | | | | |
| | 26 | 60 | 31 | 29 | 3,335,751 | 1,397,993 | 723,818 | 2,972,463 | 843,999 | 369,874 | 1,283,268 | 463,994 | 357,144 |
| Great Lakes region: | | | | | | | | | | | | | |
| Illinois: | | | | | | | | | | | | | |
| Elementary..... | 9 | 53 | 25 | 28 | 8,483,194 | 3,680,301 | 330,022 | 4,640,167 | 1,931,684 | 174,993 | 3,942,997 | 1,799,617 | 155,029 |
| Senior high..... | 4 | 4 | 3 | 1 | 877,000 | 283,635 | | 777,000 | 218,635 | | 100,000 | 45,000 | |
| Junior-senior high..... | 9 | 11 | 4 | 7 | 4,083,512 | 1,730,836 | 290,977 | 1,852,959 | 750,906 | 189,627 | 2,230,553 | 970,130 | 102,350 |
| Combined elementary and high..... | 2 | 2 | 2 | 2 | 347,352 | 156,348 | 11,193 | | | | 347,352 | 156,308 | 11,193 |
| Miscellaneous..... | 2 | 2 | 1 | 1 | 1,043,000 | 456,500 | 5,940 | 263,000 | 119,000 | | 750,000 | 337,500 | 5,940 |
| | 1 | 2 | 1 | 2 | 10,660 | 4,720 | | | | | 10,660 | 4,720 | |
| Total..... | 27 | 74 | 33 | 41 | 14,844,896 | 5,973,400 | 638,132 | 7,463,126 | 3,029,125 | 363,620 | 7,391,563 | 3,272,275 | 274,512 |
| Indiana: | | | | | | | | | | | | | |
| Elementary..... | 4 | 4 | 3 | 1 | 577,732 | 244,934 | | 539,195 | 229,023 | | 38,537 | 15,911 | |
| Senior high..... | 1 | 1 | 1 | 1 | 266,366 | 102,375 | | 266,366 | 102,375 | | | | |
| Junior-senior high..... | 2 | 2 | 2 | 2 | 553,360 | 239,500 | | 553,360 | 239,500 | | 553,360 | 239,500 | |
| Miscellaneous..... | 2 | 2 | 2 | 2 | 258,097 | 107,214 | | 258,097 | 107,214 | | | | |
| Total..... | 9 | 9 | 6 | 3 | 1,655,545 | 704,023 | | 1,614,618 | 685,612 | | 691,897 | 265,411 | |

TABLE 9.—NUMBER AND KIND OF NEW BUILDINGS AND ADDITIONS, TOTAL COST AND AMOUNT OF PWA GRANTS AND LOANS, FOR CITIES OF 10,000 POPULATION AND OVER WHICH HAD CONSTRUCTED SCHOOL BUILDINGS WITH PWA AID; BY STATES AND REGIONS, AND BY TYPES OF SCHOOLS—Continued

| Kinds of buildings by region and State | Num-ber of cities | Number of new build-ings and additions | | | Cost of new buildings and additions | | | Cost of new buildings | | | Cost of additions | | |
|--|-------------------|--|----------------|------------|-------------------------------------|-------------------|----------------|-----------------------|------------------|----------------|-------------------|------------------|----------------|
| | | Total | New build-ings | Addi-tions | Total | PWA | | Total | PWA | | Total | PWA | |
| | | | | | | Grants | Loans | | Grants | Loans | | Grants | Loans |
| 1 | 3 | 3 | 4 | 6 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 16 |
| Great Lakes region—Continued | | | | | | | | | | | | | |
| Michigan: | | | | | | | | | | | | | |
| Elementary | 8 | 12 | 5 | 7 | \$1,494,755 | \$649,028 | \$99,000 | \$825,851 | \$339,262 | \$99,000 | \$608,904 | \$309,766 | |
| Junior high | 2 | 2 | 1 | 1 | 883,433 | 198,000 | | 463,433 | 130,800 | | 180,000 | 67,500 | |
| Senior high | 2 | 2 | 1 | 1 | 1,407,164 | 633,111 | 119,000 | 1,081,914 | 486,861 | | 325,250 | 146,250 | \$119,000 |
| Miscellaneous | 1 | 1 | 1 | 1 | 165,092 | 74,200 | | | | | 165,092 | 74,200 | |
| Total | 13 | 17 | 7 | 10 | 3,859,444 | 1,554,429 | 218,000 | 2,311,196 | 954,633 | 99,000 | 1,339,246 | 697,966 | 119,000 |
| Ohio: | | | | | | | | | | | | | |
| Elementary | 7 | 32 | 16 | 16 | 3,352,475 | 1,457,400 | | 2,248,220 | 1,011,262 | | 1,104,255 | 446,157 | |
| Junior high | 1 | 1 | 1 | 1 | 128,349 | 57,781 | | | | | 128,349 | 57,781 | |
| Senior high | 1 | 1 | 1 | 1 | 68,647 | 27,821 | | | | | 68,647 | 27,821 | |
| Junior-senior high | 2 | 3 | 3 | 3 | 827,000 | 369,849 | | | | | 827,000 | 369,849 | |
| Vocational and trade | 2 | 2 | 1 | 1 | 1,754,476 | 778,014 | | 1,650,000 | 731,000 | | 104,476 | 47,014 | |
| Miscellaneous | 2 | 2 | 2 | 2 | 61,187 | 22,591 | | 61,187 | 22,591 | | | | |
| Total | 15 | 41 | 19 | 22 | 6,192,143 | 2,713,465 | | 3,959,497 | 1,764,843 | | 2,332,736 | 948,673 | |
| Total, Great Lakes region | 64 | 141 | 65 | 76 | 24,843,839 | 11,264,877 | 846,133 | 14,797,359 | 6,169,293 | 462,629 | 11,545,441 | 5,894,174 | 393,512 |
| Central States region: | | | | | | | | | | | | | |
| Kansas: | | | | | | | | | | | | | |
| Elementary | 2 | 2 | 2 | 2 | 331,316 | 134,366 | | 331,316 | 134,366 | | | | |
| Junior high | 1 | 1 | 1 | 1 | 385,000 | 171,000 | | 385,000 | 171,000 | | | | |
| Senior high | 1 | 1 | 1 | 1 | 2,250,000 | 557,000 | | 2,250,000 | 557,000 | | | | |
| Vocational and trade | 1 | 1 | 1 | 1 | 125,000 | 66,250 | | 125,000 | 66,250 | | | | |
| Junior colleges | 2 | 2 | 2 | 2 | 612,500 | 312,573 | | 612,500 | 312,573 | | | | |
| Miscellaneous | 1 | 1 | 1 | 1 | 180,000 | 81,000 | | 180,000 | 81,000 | | | | |
| Total | 8 | 8 | 8 | 8 | 3,893,816 | 1,312,139 | | 3,893,816 | 1,312,139 | | 1,312,139 | 1,312,139 | |

SCHOOL BUILDING SITUATION AND NEEDS

| State | Elementary | Junior high | Senior high | Combined elementary and high | Vocational and trade | Miscellaneous | Total | 73, 775 | 47, 144 | 73, 775 | 47, 144 | 73, 775 | 47, 144 | 73, 775 | 47, 144 | 73, 775 | 47, 144 | Total |
|------------------------------|------------|-------------|-------------|------------------------------|----------------------|---------------|-------|--------------|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Missouri: | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 813, 993 | 243, 499 | | | | | | | | | |
| Miscellaneous | | | | | | | | | | | 47, 144 | | | | | | | |
| Oklahoma: | 3 | 8 | 4 | 4 | 4 | 1 | 11 | 347, 704 | 133, 906 | | | | | | | | | |
| Elementary | 1 | 2 | 1 | 1 | 1 | 1 | 6 | 241, 088 | 108, 404 | | | | | | | | | |
| Junior high | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 25, 000 | | | | | | | | | | |
| Miscellaneous | | | | | | | | | | | | | | | | | | |
| Total | 5 | 11 | 6 | 6 | 6 | 5 | 39 | 613, 993 | 243, 499 | | | | | | | | | 47, 144 |
| Texas: | 7 | 49 | 11 | 38 | 11 | 1 | 117 | 2, 825, 117 | 1, 079, 311 | | | | | | | | | |
| Elementary | 4 | 11 | 6 | 6 | 6 | 1 | 36 | 1, 302, 688 | 361, 438 | | | | | | | | | |
| Junior high | 5 | 14 | 7 | 7 | 7 | 1 | 42 | 3, 638, 607 | 1, 357, 156 | | | | | | | | | |
| Senior high | 2 | 3 | 1 | 2 | 2 | 1 | 11 | 546, 004 | 183, 418 | | | | | | | | | |
| Junior-senior high | | | | | | | | | | | | | | | | | | |
| Combined elementary and high | 3 | 4 | 1 | 3 | 3 | 1 | 15 | 398, 416 | 146, 551 | | | | | | | | | |
| Junior colleges | 3 | 6 | 6 | 6 | 6 | 1 | 28 | 641, 400 | 288, 761 | | | | | | | | | |
| Vocational and trade | 1 | 1 | 1 | 1 | 1 | 1 | 6 | 27, 090 | 27, 090 | | | | | | | | | |
| Miscellaneous | 3 | 3 | 3 | 3 | 3 | 3 | 18 | 110, 150 | 40, 941 | | | | | | | | | |
| Total | 28 | 91 | 34 | 57 | 34 | 28 | 172 | 9, 522, 753 | 3, 494, 646 | | | | | | | | | |
| Total, Central States | 43 | 111 | 48 | 63 | 63 | 44 | 312 | 16, 994, 176 | 5, 989, 399 | | | | | | | | | |
| North Central region: | | | | | | | | | | | | | | | | | | |
| Iowa: | 2 | 2 | 1 | 2 | 1 | 1 | 9 | 144, 000 | 63, 000 | | | | | | | | | |
| Elementary | 2 | 5 | 1 | 4 | 1 | 1 | 14 | 1, 133, 232 | 317, 000 | | | | | | | | | |
| Junior high | | | | | | | | | | | | | | | | | | |
| Total | 4 | 7 | 1 | 6 | 1 | 2 | 20 | 1, 377, 232 | 389, 000 | | | | | | | | | |
| Minnesota: | 1 | 4 | 1 | 4 | 1 | 1 | 12 | 294, 000 | 111, 150 | | | | | | | | | |
| Elementary | 1 | 1 | 1 | 1 | 1 | 1 | 6 | 346, 000 | 155, 700 | | | | | | | | | |
| Junior high | | | | | | | | | | | | | | | | | | |
| Combined elementary and high | 1 | 1 | 1 | 1 | 1 | 1 | 6 | 392, 840 | 84, 600 | | | | | | | | | |
| Miscellaneous | | | | | | | | 25, 920 | 7, 776 | | | | | | | | | |
| Total | 4 | 7 | 3 | 6 | 3 | 3 | 22 | 1, 066, 740 | 249, 126 | | | | | | | | | |
| Nebraska: | 2 | 4 | 1 | 3 | 1 | 1 | 12 | 306, 000 | 162, 000 | | | | | | | | | |
| Elementary | | | | | | | | | | | | | | | | | | |
| North Dakota: | 1 | 1 | 1 | 1 | 1 | 1 | 6 | 440, 000 | 119, 000 | | | | | | | | | |
| Senior high | 1 | 1 | 1 | 1 | 1 | 1 | 6 | 270, 127 | 119, 455 | | | | | | | | | |
| Junior-senior high | | | | | | | | | | | | | | | | | | |
| Total | 3 | 3 | 2 | 3 | 2 | 2 | 15 | 710, 127 | 238, 455 | | | | | | | | | |



TABLE 9.—NUMBER AND KIND OF NEW BUILDINGS AND ADDITIONS, TOTAL COST AND AMOUNT OF PWA GRANTS AND LOANS, FOR CITIES OF 10,000 POPULATION AND OVER WHICH HAD CONSTRUCTED SCHOOL BUILDINGS WITH PWA AID; BY STATES AND REGIONS, AND BY TYPES OF SCHOOLS—Continued

| Kinds of buildings by region and State | Number of cities | Number of new buildings and additions | | | Cost of new buildings and additions | | | | Cost of new buildings | | | | Cost of additions | | | | |
|--|------------------|---------------------------------------|---------------|-----------|-------------------------------------|-----------|-----------|-----------|-----------------------|---------|-----------|---------|-------------------|-------|-------|--------|-------|
| | | Total | New buildings | Additions | Total | PWA | | Total | Total | PWA | | Total | PWA | | Total | PWA | |
| | | | | | | Grants | Loans | | | Grants | Loans | | Grants | Loans | | Grants | Loans |
| 1 | 3 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| North Central region—Con. | | | | | | | | | | | | | | | | | |
| South Dakota: | 1 | 2 | | | \$214,319 | \$80,999 | | | | | | | | | | | |
| Elementary | 2 | 2 | | 2 | 479,000 | 207,727 | \$254,000 | | | | | | | | | | |
| Senior high | | | | | | | | | | | | | | | | | |
| Total | 3 | 4 | 2 | 2 | 693,319 | 298,726 | 254,000 | 479,000 | 207,727 | 254,000 | 214,319 | 80,999 | | | | | |
| Wisconsin: | | | | | | | | | | | | | | | | | |
| Elementary | 6 | 8 | 2 | 2 | 1,121,986 | 461,586 | | 1,055,986 | 433,786 | | 66,000 | 27,800 | | | | | |
| Junior high | 2 | 2 | | | 700,000 | 247,500 | | 700,000 | 247,500 | | | | | | | | |
| Senior high | 2 | 2 | | | 1,398,200 | 605,250 | | 1,398,200 | 605,250 | | | | | | | | |
| Junior-senior high | 3 | 4 | 1 | 3 | 634,125 | 222,570 | | 506,575 | 222,570 | | 127,550 | | | | | | |
| Miscellaneous | 1 | 1 | | 1 | 315,000 | 88,000 | | 315,000 | 88,000 | | | | | | | | |
| Total | 14 | 17 | 3 | 3 | 4,167,311 | 1,624,998 | | 3,972,761 | 1,697,196 | | 193,450 | 37,800 | | | | | |
| Total, North Central region | 29 | 41 | 19 | 19 | 8,372,749 | 3,632,313 | 697,000 | 6,247,758 | 2,394,488 | 967,000 | 2,915,921 | 664,725 | | | | | |
| Gulf States region: | | | | | | | | | | | | | | | | | |
| Arkansas: | | | | | | | | | | | | | | | | | |
| Elementary | 1 | 1 | | 1 | 83,240 | 37,458 | | 83,240 | 37,458 | | | | | | | | |
| Junior high | 1 | 1 | | 1 | 100,000 | 45,000 | | 100,000 | 45,000 | | 100,000 | 45,000 | | | | | |
| Combined elementary and high | 1 | 1 | | 1 | 150,000 | 36,000 | 114,000 | 150,000 | 36,000 | 114,000 | 150,000 | 36,000 | | | | | |
| Total | 3 | 3 | 1 | 2 | 333,240 | 118,458 | 114,000 | 333,240 | 118,458 | 114,000 | 359,000 | 81,000 | | | | | |

SCHOOL BUILDING SITUATION AND NEEDS

| | | | | | | | | | | | |
|--|-----------|-----------|-----------|-----------|-----------|------------------|------------------|------------------|------------------|----------------|----------------|
| Kentucky: | | | | | | | | | | | |
| Elementary..... | 3 | 2 | 9 | 5 | 4 | 697,787 | 197,135 | 473,248 | 160,346 | 124,539 | 36,780 |
| Junior high..... | 1 | 1 | 2 | 2 | 1 | 334,043 | 162,222 | 334,043 | 162,222 | | 34,920 |
| Senior high..... | 3 | 3 | 3 | 1 | 6 | 121,510 | 34,920 | | | 121,510 | 177,750 |
| Junior-senior high..... | 1 | 1 | 1 | 1 | 1 | 500,092 | 177,750 | | | 500,092 | 101,750 |
| Combined elementary and high..... | | | | | | 347,120 | 172,636 | 347,120 | 172,636 | | |
| Total..... | 10 | 16 | 16 | 8 | 8 | 1,900,533 | 744,643 | 1,164,411 | 496,204 | 746,141 | 949,489 |
| Mississippi: | | | | | | | | | | | |
| Elementary..... | 3 | 18 | 18 | 5 | 13 | 563,000 | 239,950 | 255,500 | 92,475 | 327,500 | 147,475 |
| Junior high..... | 2 | 2 | 2 | 2 | 2 | 111,000 | 49,950 | | | 111,000 | 49,950 |
| Senior high..... | 2 | 3 | 3 | 2 | 1 | 430,000 | 56,000 | 350,000 | 9,000 | 80,000 | 86,000 |
| Vocational and trade..... | 1 | 1 | 1 | 1 | 1 | 20,000 | 9,000 | 20,000 | 9,000 | | |
| Miscellaneous..... | 2 | 2 | 2 | 1 | 1 | 84,363 | 34,363 | 79,363 | 34,363 | 5,000 | |
| Total..... | 10 | 26 | 26 | 9 | 17 | 1,228,363 | 369,363 | 764,863 | 185,838 | 523,600 | 282,425 |
| Total, Gulf States region..... | | | | | | | | | | | |
| Elementary..... | 23 | 45 | 45 | 18 | 37 | 3,467,154 | 1,282,364 | 1,947,514 | 668,209 | 1,519,641 | 683,864 |
| Junior high..... | 1 | 1 | 1 | 2 | 1 | 23,000 | 10,350 | 444,000 | 210,000 | 23,000 | 10,350 |
| Total..... | 3 | 3 | 3 | 3 | 1 | 497,000 | 310,000 | 444,000 | 310,000 | 23,000 | 19,350 |
| Montana: | | | | | | | | | | | |
| Elementary..... | 3 | 5 | 5 | 3 | 2 | 404,849 | 129,600 | 261,372 | 95,538 | 143,477 | 34,042 |
| Junior high..... | 1 | 1 | 1 | 1 | 1 | 521,000 | 141,000 | 521,000 | 141,000 | 320,000 | 96,000 |
| Junior-senior high..... | 1 | 1 | 1 | 1 | 1 | 320,000 | 96,000 | | | | |
| Total..... | 5 | 7 | 7 | 4 | 3 | 1,245,849 | 366,600 | 782,372 | 336,536 | 463,477 | 130,042 |
| Oregon: | | | | | | | | | | | |
| Elementary..... | 1 | 1 | 1 | 1 | 1 | 192,532 | 77,495 | 192,532 | 77,495 | 208,000 | 92,352 |
| Junior high..... | 1 | 1 | 1 | 1 | 1 | 208,000 | 92,352 | 769,618 | 329,621 | | |
| Senior high..... | 1 | 1 | 1 | 1 | 1 | 769,618 | 329,621 | | | | |
| Total..... | 3 | 3 | 3 | 3 | 1 | 1,170,150 | 499,468 | 962,150 | 497,116 | 208,000 | 92,352 |
| Washington: | | | | | | | | | | | |
| Elementary..... | 3 | 5 | 5 | 1 | 4 | 225,485 | 89,555 | 44,250 | 18,000 | 181,235 | 71,555 |
| Junior high..... | 2 | 2 | 2 | 2 | 2 | 351,234 | 158,062 | 351,234 | 158,062 | 137,688 | 61,959 |
| Senior high..... | 3 | 3 | 3 | 2 | 1 | 1,099,438 | 428,709 | 961,750 | 366,750 | 110,000 | 31,500 |
| Junior-senior high..... | 1 | 1 | 1 | 1 | 1 | 110,000 | 31,500 | | | | |
| Total..... | 9 | 11 | 11 | 6 | 6 | 1,794,157 | 707,326 | 1,357,234 | 542,812 | 429,923 | 165,014 |
| Total, Northwestern region..... | | | | | | | | | | | |
| Elementary..... | 19 | 34 | 34 | 13 | 11 | 4,669,156 | 1,794,244 | 3,645,756 | 1,396,496 | 443,600 | 397,768 |
| Junior high..... | | | | | | | | | | | |
| Senior high..... | | | | | | | | | | | |
| Junior-senior high..... | | | | | | | | | | | |
| Total..... | 19 | 34 | 34 | 13 | 11 | 4,669,156 | 1,794,244 | 3,645,756 | 1,396,496 | 443,600 | 397,768 |

TABLE 9.—NUMBER AND KIND OF NEW BUILDINGS AND ADDITIONS, TOTAL COST AND AMOUNT OF PWA GRANTS AND LOANS, FOR CITIES OF 10,000 POPULATION AND OVER WHICH HAD CONSTRUCTED SCHOOL BUILDINGS WITH PWA AID; BY STATES AND REGIONS, AND BY TYPES OF SCHOOLS—Continued

| Kinds of buildings by region and State | Num-ber of cities | Number of new build-ings and additions | | | Cost of new buildings and additions | | | | Cost of new buildings | | | | Cost of additions | | | |
|--|----------------------------------|--|-------------------------|-------------------------|---|---|---------------|---|---|----------|---|---|-------------------|-------|--------|-------|
| | | Total | New build-ings | Addi-tions | Total | PWA | | Total | PWA | | Total | PWA | | Total | PWA | |
| | | | | | | Grants | Loans | | Grants | Loans | | Grants | Loans | | Grants | Loans |
| 1 | 3 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | |
| Rocky Mountain region: Colorado: Senior high..... Utah: Elementary..... | 1 1 | 1 1 | 1 1 | 1 1 | \$556,000 45,939 | \$249,000 20,250 | | \$556,000 45,939 | \$249,000 20,250 | | | | | | | |
| Total, Rocky Mountain region..... | 2 | 2 | 2 | 2 | 661,939 | 269,250 | | 661,939 | 269,250 | | | | | | | |
| Sierra Nevada region: Arizona: Elementary..... California: Elementary..... Junior high..... Senior high..... Vocational and-trade..... Junior colleges..... Miscellaneous..... | 2 11 4 7 2 2 2 | 10 55 7 16 2 2 2 | 10 26 4 6 1 | 10 26 4 6 1 | 291,818 3,657,947 1,294,748 2,690,858 290,772 2,224,592 423,288 | 130,819 1,132,458 442,788 983,009 102,455 705,945 145,807 | \$61,000 | 291,818 3,657,947 1,294,748 2,690,858 290,772 2,224,592 423,288 | 130,819 1,132,458 442,788 983,009 102,455 705,945 145,807 | \$61,000 | \$291,818 1,497,022 540,210 422,185 491,111 | \$130,819 442,022 196,542 136,189 221,000 | \$61,000 | | | |
| Total..... | 20 | 91 | 54 | 37 | 10,457,212 | 3,529,963 | | 7,661,697 | 3,529,963 | | 2,944,528 | 895,753 | | | | |
| Nevada: Elementary..... | 1 | 1 | 1 | 1 | 83,500 | 31,050 | | 83,500 | 31,050 | | | | | | | |
| Total, Sierra Nevada re-gion..... | 23 | 103 | 55 | 47 | 10,977,533 | 3,681,931 | 61,000 | 7,695,167 | 3,553,319 | | 3,243,246 | 1,129,573 | 61,000 | | | |

SUMMARY

| Regions | 40 | 57 | 31 | 26 | \$18,445,763 | \$5,441,106 | \$3,612,959 | \$14,433,364 | \$4,540,140 | \$3,368,809 | \$4,020,420 | \$801,966 | \$244,150 |
|--------------------|------------|------------|------------|------------|--------------------|-------------------|-------------------|--------------------|-------------------|-------------------|-------------------|-------------------|------------------|
| New England | 29 | 58 | 39 | 19 | 38,255,382 | 14,315,772 | 13,146,008 | 33,733,296 | 12,511,401 | 12,527,006 | 4,822,116 | 1,804,371 | 619,002 |
| New York | 54 | 81 | 47 | 34 | 34,140,269 | 13,283,744 | 3,444,775 | 27,167,673 | 10,914,300 | 2,681,578 | 6,972,686 | 2,349,444 | 763,197 |
| Middle Atlantic | 36 | 60 | 31 | 29 | 3,335,751 | 1,307,063 | 723,818 | 2,072,683 | 843,099 | 366,674 | 1,263,268 | 463,984 | 357,144 |
| South Atlantic | 64 | 141 | 65 | 76 | 29,342,830 | 11,264,377 | 858,132 | 14,797,389 | 6,180,203 | 462,620 | 11,545,441 | 5,084,174 | 393,612 |
| Great Lakes | 42 | 111 | 48 | 63 | 14,094,175 | 5,096,399 | 439,400 | 10,714,218 | 3,720,129 | 398,800 | 3,379,957 | 1,376,270 | 52,600 |
| Central States | 29 | 41 | 22 | 19 | 8,272,749 | 3,053,213 | 607,000 | 6,237,728 | 2,386,488 | 607,000 | 2,015,021 | 666,725 | 304,776 |
| North Central | 23 | 45 | 18 | 27 | 3,462,155 | 1,252,394 | 539,775 | 1,942,514 | 698,500 | 144,000 | 1,519,641 | 583,884 | ..... |
| Gulf States | 19 | 24 | 13 | 11 | 4,669,156 | 1,794,244 | 455,000 | 3,545,756 | 1,396,486 | 455,000 | 1,123,400 | 397,788 | ..... |
| Northwestern | 2 | 2 | 2 | ..... | 601,939 | 269,250 | ..... | 601,939 | 269,250 | ..... | 3,242,346 | 1,126,572 | 61,000 |
| Rocky Mountain | 2 | ..... | ..... | ..... | ..... | ..... | 61,000 | 7,685,187 | 2,555,359 | ..... | ..... | ..... | ..... |
| Sierra Nevada | 33 | 102 | 55 | 47 | 10,927,533 | 3,681,931 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Grand total | 371 | 773 | 371 | 351 | 102,547,733 | 60,739,518 | 33,964,867 | 122,943,517 | 45,994,355 | 20,909,487 | 39,694,315 | 14,745,169 | 2,665,360 |

TABLE 10.—SUMMARY OF COST PER ROOM OF NEW BUILDINGS ERECTED WITH PWA AID, BY REGIONS AND TYPES OF SCHOOLS

| Region | Elementary schools | Junior high schools | Senior high schools | Junior-senior high schools | Combined elementary and high schools | Vocational and trade schools | Junior colleges |
|-------------------------------|--------------------|---------------------|---------------------|----------------------------|--------------------------------------|------------------------------|-----------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| New England..... | \$14,814 | \$14,123 | \$19,410 | \$11,651 | | | |
| New York..... | 17,048 | 20,764 | 22,106 | | \$14,567 | \$32,796 | |
| Middle Atlantic..... | 16,193 | 20,268 | 17,949 | 16,768 | | 22,869 | |
| South Atlantic..... | 3,888 | 7,006 | 11,645 | 8,370 | | | |
| Great Lakes..... | 15,183 | 20,352 | 20,008 | | 8,618 | | |
| Central States..... | 13,337 | 14,718 | 15,617 | 12,019 | 12,515 | 11,364 | \$12,417 |
| North Central..... | 18,700 | 13,773 | 22,262 | 7,926 | 11,554 | | |
| Gulf States..... | 7,449 | 8,147 | 7,000 | | 8,073 | 5,000 | |
| Northwestern..... | 8,303 | 8,284 | 12,045 | | | | |
| Rocky Mountain..... | 5,742 | | 13,238 | | | | |
| Sierra Nevada..... | 7,634 | 13,238 | 10,711 | | | 11,184 | 5,379 |
| Average cost per room: | 12,151 | 16,957 | 17,813 | 11,179 | 10,638 | 21,049 | 6,900 |

TABLE 11.—COST PER ROOM FOR EACH REGION, OF NEW BUILDINGS ERECTED WITH PWA AID; NUMBER OF NEW BUILDINGS, NUMBER OF ROOMS, TOTAL COST, AND COST PER ROOM, BY TYPES OF SCHOOLS

ELEMENTARY SCHOOLS

| Region | Number of new buildings | Number of— | | | | Cost of new buildings | Cost per room |
|----------------------|-------------------------|--------------|-------------|------------|-----------------------|-----------------------|---------------|
| | | Rooms | Auditoriums | Gymnasiums | Auditorium-gymnasiums | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| New England..... | 10 | 89 | 4 | 5 | 2 | \$1,318,452 | \$14,514 |
| New York..... | 16 | 366 | 12 | 12 | 4 | 6,239,546 | 17,049 |
| Middle Atlantic..... | 22 | 425 | 11 | 9 | 2 | 6,882,218 | 16,193 |
| South Atlantic..... | 18 | 196 | 4 | | | 723,206 | 3,888 |
| Great Lakes..... | 49 | 537 | 11 | 13 | 15 | 8,153,433 | 15,183 |
| Central States..... | 17 | 143 | 10 | | | 1,907,130 | 13,337 |
| North Central..... | 7 | 60 | 3 | 4 | | 1,121,986 | 18,700 |
| Gulf States..... | 11 | 109 | 8 | | 2 | 811,968 | 7,449 |
| Northwestern..... | 5 | 60 | 4 | 3 | | 498,154 | 8,303 |
| Rocky Mountain..... | 1 | 8 | | | | 45,939 | 5,742 |
| Sierra Nevada..... | 30 | 294 | 16 | 2 | | 2,244,425 | 7,634 |
| Total..... | 196 | 2,377 | 83 | 48 | 25 | 29,946,477 | 12,151 |

JUNIOR HIGH SCHOOLS

| | | | | | | | |
|----------------------|-----------|--------------|-----------|-----------|----------|-------------------|---------------|
| New England..... | 7 | 174 | 5 | 6 | | \$2,457,440 | \$14,123 |
| New York..... | 9 | 474 | 8 | 12 | 1 | 9,842,000 | 20,764 |
| Middle Atlantic..... | 4 | 153 | 2 | 4 | | 3,100,964 | 20,268 |
| South Atlantic..... | 1 | 9 | | | | 63,053 | 7,006 |
| Great Lakes..... | 4 | 56 | 1 | 1 | 2 | 1,180,433 | 20,352 |
| Central States..... | 6 | 94 | 5 | 3 | | 1,383,478 | 14,718 |
| North Central..... | 4 | 97 | 4 | 3 | | 1,336,000 | 13,773 |
| Gulf States..... | 2 | 41 | 1 | 1 | 1 | 334,043 | 8,147 |
| Northwestern..... | 4 | 96 | 2 | 1 | 1 | 795,234 | 8,284 |
| Sierra Nevada..... | 3 | 57 | | 2 | | 754,638 | 13,238 |
| Total..... | 44 | 1,296 | 26 | 23 | 5 | 21,247,163 | 16,957 |

TABLE 11.—COST PER ROOM FOR EACH REGION, OF NEW BUILDINGS ERECTED WITH PWA AID; NUMBER OF NEW BUILDINGS, NUMBER OF ROOMS, TOTAL COST, AND COST PER ROOM, BY TYPES OF SCHOOLS—Continued

SENIOR HIGH SCHOOLS

| Region | Number of new buildings | Number of— | | | | Cost of new buildings | Cost per room |
|----------------------|-------------------------|--------------|-------------|------------|-----------------------|-----------------------|---------------|
| | | Rooms | Auditoriums | Gymnasiums | Auditorium-gymnasiums | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| New England..... | 9 | 470 | 8 | 12 | 1 | \$9,122,894 | \$19,410 |
| New York..... | 10 | 686 | 10 | 21 | | 15,164,539 | 22,106 |
| Middle Atlantic..... | 7 | 478 | 6 | 14 | | 8,579,856 | 17,949 |
| South Atlantic..... | 7 | 91 | 3 | 3 | | 1,059,679 | 11,645 |
| Great Lakes..... | 6 | 160 | 3 | 5 | 2 | 3,201,239 | 20,008 |
| Central States..... | 8 | 327 | 8 | 10 | | 5,106,791 | 15,617 |
| North Central..... | 5 | 104 | 4 | 4 | | 2,315,200 | 22,262 |
| Gulf States..... | 2 | 50 | 2 | 1 | | 350,000 | 7,000 |
| Northwestern..... | 4 | 187 | 3 | 5 | | 2,252,368 | 12,045 |
| Rocky Mountain..... | 1 | 42 | 1 | 1 | | 556,000 | 13,238 |
| Sierra Nevada..... | 10 | 209 | 1 | 1 | | 2,238,673 | 10,711 |
| Total..... | 69 | 2,894 | 49 | 77 | 3 | 49,947,329 | 17,813 |

JUNIOR-SENIOR HIGH SCHOOLS

| | | | | | | | |
|----------------------|-----------|------------|----------|-----------|--|------------------|---------------|
| New England..... | 3 | 83 | 2 | 3 | | \$967,000 | \$11,651 |
| Middle Atlantic..... | 4 | 90 | 2 | 4 | | 1,509,091 | 16,768 |
| South Atlantic..... | 2 | 17 | | 1 | | 142,286 | 8,370 |
| Central States..... | 1 | 29 | 1 | 1 | | 348,556 | 12,019 |
| North Central..... | 4 | 98 | 3 | 3 | | 776,702 | 7,926 |
| Total..... | 14 | 317 | 8 | 12 | | 2,743,635 | 11,179 |

COMBINED ELEMENTARY AND HIGH SCHOOLS

| | | | | | | | |
|---------------------|----------|------------|----------|----------|--|------------------|---------------|
| New York..... | 1 | 30 | 1 | 1 | | \$437,018 | \$14,567 |
| Great Lakes..... | 1 | 34 | | 1 | | 293,000 | 8,618 |
| Central States..... | 1 | 16 | 1 | | | 200,238 | 12,515 |
| North Central..... | 1 | 34 | 1 | 3 | | 392,840 | 11,554 |
| Gulf States..... | 1 | 43 | 1 | 1 | | 347,120 | 8,073 |
| Total..... | 5 | 157 | 4 | 6 | | 1,670,216 | 10,636 |

¹ In addition, there was one building which consisted of an auditorium only, cost \$12,000.

VOCATIONAL AND TRADE SCHOOLS

| | | | | | | | |
|----------------------|-----------|------------|----------|----------|--|------------------|---------------|
| New York..... | 2 | 57 | 1 | 1 | | \$1,860,375 | \$32,796 |
| Middle Atlantic..... | 4 | 277 | 3 | 6 | | 6,334,708 | 22,869 |
| Central States..... | 1 | 11 | | | | 125,000 | 11,364 |
| Gulf States..... | 1 | 4 | | | | 20,000 | 5,000 |
| Sierra Nevada..... | 2 | 26 | | | | 290,772 | 11,184 |
| Total..... | 10 | 375 | 4 | 7 | | 8,630,855 | 23,046 |

¹ In addition, there were 2 buildings, 1 of which consisted of an auditorium-gymnasium, cost \$392,425; and another consisted of an auditorium and a gymnasium, cost \$1,650,000.

JUNIOR COLLEGES

| | | | | | | | |
|---------------------|-----------|------------|----------|----------|--|------------------|--------------|
| Central States..... | 8 | 101 | 6 | 3 | | \$1,254,100 | \$12,417 |
| Sierra Nevada..... | 8 | 326 | 1 | 3 | | 1,733,481 | 5,379 |
| Total..... | 16 | 427 | 7 | 6 | | 2,987,581 | 6,896 |

TABLE 12.—NUMBER AND PERCENT OF SCHOOL BUILDINGS MORE THAN 30 YEARS OLD IN 506 CITIES OF 10,000-POPULATION AND OVER, BY STATES¹

| State | Total | | | | In cities not having constructed buildings with PWA aid | | | | In cities having constructed buildings with PWA aid | | | |
|---------------------------|---------------------------|------------------------------------|----------------------------------|-------------|---|-----------------|----------------------------------|-------------|---|-----------------|----------------------------------|-------------|
| | Number of cities replying | Total buildings in cities replying | Buildings more than 30 years old | | Number of cities | Total buildings | Buildings more than 30 years old | | Number of cities | Total buildings | Buildings more than 30 years old | |
| | | | Number | Percent | | | Number | Percent | | | Number | Percent |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| Alabama..... | 6 | 141 | 53 | 37.6 | 2 | 100 | 49 | 49.0 | 4 | 41 | 4 | 9.9 |
| Arizona..... | 2 | 39 | 6 | 15.4 | 2 | 39 | 6 | 15.4 | | | | |
| Arkansas..... | 4 | 55 | 23 | 41.8 | 3 | 27 | 17 | 63.0 | 1 | 28 | 6 | 21.4 |
| California..... | 28 | 811 | 73 | 9.0 | 11 | 173 | 22 | 12.7 | 17 | 638 | 51 | 8.0 |
| Colorado..... | 6 | 66 | 34 | 51.5 | 5 | 56 | 27 | 48.2 | 1 | 10 | 7 | 70.0 |
| Connecticut..... | 13 | 194 | 87 | 48.8 | 5 | 64 | 26 | 40.6 | 8 | 130 | 61 | 46.9 |
| Delaware..... | 1 | 23 | 9 | 39.1 | | | | | 1 | 23 | 9 | 39.1 |
| District of Columbia..... | 1 | 176 | 99 | 56.3 | 1 | 176 | 99 | 56.3 | | | | |
| Georgia..... | 4 | 50 | 12 | 24.0 | 2 | 28 | 6 | 21.4 | 2 | 22 | 6 | 27.3 |
| Idaho..... | 2 | 24 | 7 | 29.2 | 1 | 11 | 1 | 9.1 | 1 | 13 | 6 | 46.2 |
| Illinois..... | 28 | 710 | 281 | 39.6 | 14 | 131 | 46 | 35.1 | 14 | 579 | 235 | 40.6 |
| Indiana..... | 15 | 247 | 85 | 34.4 | 9 | 92 | 49 | 53.3 | 6 | 155 | 36 | 23.2 |
| Iowa..... | 16 | 193 | 84 | 43.5 | 12 | 140 | 71 | 50.7 | 4 | 53 | 13 | 24.5 |
| Kansas..... | 6 | 81 | 21 | 25.9 | 3 | 36 | 7 | 23.3 | 3 | 51 | 14 | 27.5 |
| Kentucky..... | 6 | 59 | 17 | 29.8 | 1 | 9 | 6 | 66.7 | 5 | 48 | 11 | 22.9 |
| Maine..... | 3 | 51 | 40 | 78.4 | 1 | 26 | 23 | 88.5 | 2 | 25 | 17 | 68.0 |
| Maryland..... | 1 | 159 | 93 | 58.5 | | | | | 1 | 159 | 93 | 58.5 |
| Massachusetts..... | 46 | 1,001 | 603 | 60.2 | 30 | 443 | 258 | 58.2 | 16 | 558 | 345 | 61.8 |
| Michigan..... | 25 | 338 | 91 | 26.9 | 14 | 219 | 40 | 18.3 | 11 | 119 | 51 | 42.9 |
| Minnesota..... | 9 | 172 | 64 | 37.2 | 5 | 37 | 7 | 18.9 | 4 | 135 | 57 | 42.2 |
| Mississippi..... | 9 | 95 | 19 | 20.0 | 5 | 38 | 7 | 18.4 | 4 | 57 | 12 | 21.5 |
| Missouri..... | 1 | 6 | 4 | 66.7 | 1 | 6 | 4 | 66.7 | | | | |
| Montana..... | 4 | 34 | 9 | 26.5 | 1 | 6 | 5 | 83.3 | 3 | 28 | 4 | 14.2 |
| Nebraska..... | 4 | 89 | 38 | 42.7 | 3 | 29 | 8 | 27.6 | 1 | 60 | 30 | 50.0 |
| Nevada..... | 1 | 10 | 1 | 10.0 | | | | | 1 | 10 | 1 | 10.0 |
| New Hampshire..... | 6 | 66 | 40 | 60.6 | 4 | 43 | 27 | 62.8 | 2 | 23 | 13 | 56.5 |
| New Jersey..... | 36 | 304 | 134 | 44.1 | 29 | 223 | 124 | 55.6 | 7 | 81 | 10 | 12.3 |
| New Mexico..... | 1 | 8 | 8 | 100.0 | 1 | 8 | 8 | 100.0 | | | | |
| New York..... | 43 | 1,219 | 605 | 49.6 | 27 | 256 | 96 | 37.5 | 16 | 963 | 509 | 52.9 |
| North Carolina..... | 10 | 126 | 15 | 11.9 | 5 | 49 | 8 | 16.3 | 5 | 77 | 7 | 9.1 |
| North Dakota..... | 3 | 22 | 8 | 36.4 | 2 | 16 | 5 | 33.3 | 1 | 7 | 3 | 42.9 |
| Ohio..... | 31 | 573 | 212 | 37.0 | 22 | 250 | 98 | 39.2 | 9 | 323 | 114 | 35.3 |
| Oklahoma..... | 6 | 73 | 11 | 15.1 | 3 | 37 | 6 | 16.2 | 3 | 36 | 5 | 13.9 |
| Oregon..... | 2 | 21 | 4 | 19.0 | 1 | 10 | 1 | 10.0 | 1 | 11 | 3 | 27.3 |
| Pennsylvania..... | 52 | 1,148 | 525 | 45.7 | 27 | 366 | 160 | 43.7 | 25 | 782 | 365 | 46.7 |
| Rhode Island..... | 5 | 66 | 31 | 47.9 | 3 | 32 | 16 | 50.0 | 2 | 34 | 15 | 44.1 |
| South Carolina..... | 6 | 48 | 15 | 31.3 | 4 | 27 | 7 | 25.9 | 2 | 21 | 8 | 38.1 |
| South Dakota..... | 4 | 30 | 4 | 13.3 | 1 | 8 | 1 | 12.5 | 3 | 22 | 3 | 13.6 |
| Tennessee..... | 3 | 32 | 5 | 15.6 | 3 | 32 | 5 | 15.6 | | | | |
| Texas..... | 18 | 384 | 40 | 10.4 | 6 | 59 | 7 | 11.9 | 12 | 325 | 33 | 10.2 |
| Utah..... | 2 | 49 | 26 | 53.1 | 1 | 40 | 19 | 47.5 | 1 | 9 | 7 | 77.8 |
| Vermont..... | 3 | 25 | 10 | 40.0 | 3 | 25 | 10 | 40.0 | | | | |
| Virginia..... | 7 | 122 | 31 | 25.4 | 1 | 25 | 8 | 32.0 | 6 | 97 | 23 | 23.7 |
| Washington..... | 8 | 70 | 16 | 22.9 | 3 | 18 | | | 5 | 52 | 16 | 30.8 |
| Wisconsin..... | 18 | 280 | 141 | 50.4 | 7 | 73 | 50 | 68.5 | 11 | 207 | 91 | 44.0 |
| Wyoming..... | 1 | 9 | 3 | 33.3 | 1 | 9 | 3 | 33.3 | | | | |
| Grand total..... | 506 | 9,497 | 3,737 | 39.3 | 263 | 3,484 | 1,443 | 41.4 | 243 | 6,013 | 2,294 | 38.1 |

¹ Of the 612 cities answering the questionnaire, 506 gave data on number of buildings more than 30 years old.

TABLE 13.—NUMBER AND PERCENT OF SCHOOL BUILDINGS MORE THAN 30 YEARS OLD IN 506 CITIES OF 10,000 POPULATION AND OVER, BY REGIONS ¹

| Region and State | Number of cities replying | Total buildings in 506 cities | Buildings more than 30 years old | |
|--------------------------------|---------------------------|-------------------------------|----------------------------------|-------------|
| | | | Number | Percent |
| 1 | 2 | 3 | 4 | 5 |
| New England Region: | | | | |
| Connecticut..... | 13 | 194 | 87 | 48.8 |
| Maine..... | 3 | 51 | 40 | 78.4 |
| New Hampshire..... | 6 | 66 | 40 | 60.6 |
| Massachusetts..... | 46 | 1,001 | 603 | 60.2 |
| Rhode Island..... | 5 | 66 | 31 | 47.9 |
| Vermont..... | 3 | 25 | 10 | 40.0 |
| Total..... | 76 | 1,493 | 811 | 57.8 |
| New York Region: | | | | |
| New York..... | 43 | 1,219 | 605 | 49.6 |
| Middle Atlantic Region: | | | | |
| Delaware..... | 1 | 23 | 9 | 39.1 |
| District of Columbia..... | 1 | 176 | 99 | 56.3 |
| Maryland..... | 1 | 159 | 93 | 58.5 |
| New Jersey..... | 36 | 304 | 134 | 44.1 |
| Pennsylvania..... | 52 | 1,148 | 525 | 45.7 |
| Total..... | 91 | 1,810 | 860 | 47.5 |
| South Atlantic Region: | | | | |
| Alabama..... | 6 | 141 | 53 | 37.6 |
| Georgia..... | 4 | 50 | 12 | 24.0 |
| North Carolina..... | 10 | 126 | 15 | 11.9 |
| South Carolina..... | 6 | 48 | 15 | 31.3 |
| Virginia..... | 7 | 122 | 31 | 25.4 |
| Total..... | 33 | 487 | 176 | 25.9 |
| Great Lakes Region: | | | | |
| Illinois..... | 28 | 710 | 281 | 39.6 |
| Indiana..... | 15 | 247 | 85 | 34.4 |
| Michigan..... | 25 | 338 | 91 | 26.9 |
| Ohio..... | 31 | 573 | 212 | 37.0 |
| Total..... | 99 | 1,868 | 669 | 35.8 |
| Central States Region: | | | | |
| Kansas..... | 6 | 81 | 21 | 25.9 |
| Missouri..... | 1 | 6 | 4 | 66.7 |
| Oklahoma..... | 6 | 73 | 11 | 15.1 |
| Texas..... | 18 | 394 | 40 | 10.4 |
| Total..... | 31 | 544 | 76 | 14.0 |

¹ Of the 612 cities answering the questionnaire, 506 gave data on number of buildings more than 30 years old.

SCHOOL BUILDING SITUATION AND NEEDS

TABLE 13.—NUMBER AND PERCENT OF SCHOOL BUILDINGS MORE THAN 30 YEARS OLD IN 506 CITIES OF 10,000 POPULATION AND OVER, BY REGIONS—Continued

| Region and State | Number of cities replying | Total buildings in 506 cities | Buildings more than 30 years old | |
|-------------------------------|---------------------------|-------------------------------|----------------------------------|-------------|
| | | | Number | Percent |
| 1 | 2 | 3 | 4 | 5 |
| North Central Region: | | | | |
| Iowa..... | 16 | 193 | 84 | 43.5 |
| Minnesota..... | 9 | 172 | 64 | 37.2 |
| Nebraska..... | 4 | 89 | 38 | 42.7 |
| North Dakota..... | 3 | 22 | 8 | 37.4 |
| South Dakota..... | 4 | 30 | 4 | 13.3 |
| Wisconsin..... | 18 | 280 | 141 | 50.4 |
| Total..... | 64 | 786 | 339 | 43.1 |
| Gulf States Region: | | | | |
| Arkansas..... | 4 | 55 | 23 | 41.8 |
| Kentucky..... | 6 | 57 | 17 | 29.8 |
| Mississippi..... | 9 | 95 | 19 | 20.0 |
| Tennessee..... | 3 | 32 | 5 | 15.6 |
| Total..... | 22 | 239 | 64 | 26.8 |
| Northwestern Region: | | | | |
| Idaho..... | 2 | 24 | 7 | 29.2 |
| Montana..... | 4 | 34 | 9 | 26.5 |
| Oregon..... | 2 | 21 | 4 | 19.0 |
| Washington..... | 8 | 70 | 16 | 22.9 |
| Total..... | 16 | 149 | 36 | 24.2 |
| Rocky Mountain Region: | | | | |
| Colorado..... | 6 | 66 | 34 | 51.5 |
| New Mexico..... | 1 | 8 | 8 | 100.0 |
| Utah..... | 2 | 49 | 26 | 53.1 |
| Wyoming..... | 1 | 9 | 3 | 33.3 |
| Total..... | 10 | 132 | 71 | 54.5 |
| Sierra Nevada Region: | | | | |
| Arizona..... | 2 | 39 | 6 | 15.4 |
| California..... | 28 | 511 | 73 | 14.3 |
| Nevada..... | 1 | 10 | 1 | 10.0 |
| Total..... | 31 | 560 | 80 | 14.3 |
| Grand total..... | 506 | 9,497 | 2,727 | 28.8 |

TABLE 14.—ESTIMATED COST OF SCHOOL BUILDING CONSTRUCTION NEEDED, AS REPORTED IN JANUARY 1937, BY 383 CITIES OF 10,000 POPULATION AND OVER, IN 48 STATES AND DISTRICT OF COLUMBIA

| State | Total number of cities replying | | | Estimated cost of school building construction needed, January 1937 | | | | | | | | Number of cities reporting no funds needed | Number of cities not reporting estimated cost |
|-------------------------|---------------------------------|--|--|---|--------------------|---|--------------------|---|--------------------|-----------|------------|--|---|
| | Total | Having constructed school buildings with P.W.A. aid, 1933-36 | Not having constructed school buildings, 1933-36 | Total | | In cities having constructed school buildings | | In cities not having constructed school buildings | | | | | |
| | | | | Number of cities | Funds needed | Number of cities | Funds needed | Number of cities | Funds needed | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | |
| Alabama..... | 7 | 5 | 2 | 6 | \$7,679,847 | 4 | \$460,000 | 2 | \$7,219,847 | | 1 | | |
| Arizona..... | 2 | 2 | | 2 | 285,000 | | | | | | | | |
| Arkansas..... | 5 | 1 | 4 | 4 | 1,096,344 | 1 | 622,914 | 3 | 473,430 | | 1 | | |
| California..... | 32 | 18 | 14 | 24 | 38,393,197 | 14 | 31,921,723 | 10 | 6,471,474 | 1 | 7 | | |
| Colorado..... | 8 | 1 | 7 | 6 | 3,469,536 | 1 | 450,000 | 5 | 3,019,536 | | 2 | | |
| Connecticut..... | 15 | 8 | 7 | 8 | 8,057,000 | 7 | 7,982,000 | 1 | 75,000 | 3 | 4 | | |
| Delaware..... | 1 | 1 | | | | | | | | | 1 | | |
| Dist. of Columbia..... | 1 | | 1 | | | | | | | | 1 | | |
| Georgia..... | 7 | 3 | 4 | 3 | 825,000 | 2 | 300,000 | 1 | 525,000 | 1 | 3 | | |
| Idaho..... | 2 | 1 | 1 | 2 | 1,375,000 | 1 | 5,000 | 1 | 1,370,000 | | | | |
| Illinois..... | 36 | 17 | 19 | 18 | 4,985,000 | 10 | 3,515,000 | 8 | 1,470,000 | 8 | 10 | | |
| Indiana..... | 22 | 8 | 14 | 13 | 15,766,040 | 5 | 7,758,700 | 8 | 8,007,340 | 1 | 8 | | |
| Iowa..... | 19 | 4 | 15 | 14 | 7,029,202 | 3 | 980,000 | 11 | 6,079,202 | 1 | 4 | | |
| Kansas..... | 10 | 6 | 4 | 5 | 3,629,500 | 2 | 1,759,500 | 3 | 1,870,000 | 1 | 4 | | |
| Kentucky..... | 9 | 6 | 3 | 5 | 590,000 | 4 | 515,000 | 1 | 75,000 | | 4 | | |
| Maine..... | 3 | 2 | 1 | 2 | 535,000 | 1 | 135,000 | 1 | 400,000 | | 1 | | |
| Maryland..... | 1 | 1 | | 1 | 10,000,000 | 1 | 10,000,000 | | | | | | |
| Massachusetts..... | 52 | 16 | 36 | 30 | 21,181,000 | 13 | 11,890,000 | 17 | 9,291,000 | 6 | 16 | | |
| Michigan..... | 29 | 12 | 17 | 24 | 29,924,389 | 12 | 19,949,619 | 12 | 9,974,770 | 2 | 3 | | |
| Minnesota..... | 9 | 4 | 5 | 7 | 4,794,891 | 3 | 1,395,000 | 4 | 3,399,891 | 1 | 1 | | |
| Mississippi..... | 9 | 4 | 5 | 8 | 1,990,000 | 4 | 1,500,000 | 4 | 490,000 | | 1 | | |
| Missouri..... | 2 | 1 | 1 | 1 | 444,000 | | | 1 | 444,000 | | 1 | | |
| Montana..... | 5 | 3 | 2 | 3 | 575,000 | 2 | 500,000 | 1 | 75,000 | | 2 | | |
| Nebraska..... | 6 | 2 | 4 | 4 | 3,531,000 | 2 | 3,000,000 | 2 | 531,000 | 1 | 1 | | |
| Nevada..... | 1 | 1 | | 1 | 200,000 | 1 | 200,000 | | | | | | |
| New Hampshire..... | 7 | 2 | 5 | 5 | 2,050,000 | 1 | 150,000 | 4 | 1,900,000 | 1 | 1 | | |
| New Jersey..... | 43 | 7 | 36 | 27 | 23,213,520 | 3 | 4,300,000 | 24 | 18,913,520 | 4 | 12 | | |
| New Mexico..... | 1 | | 1 | 1 | 100,000 | | | 1 | 100,000 | | | | |
| New York..... | 53 | 16 | 37 | 27 | 225,906,547 | 10 | 213,966,547 | 17 | 11,940,000 | 9 | 17 | | |
| North Carolina..... | 11 | 5 | 6 | 9 | 2,916,880 | 4 | 2,061,860 | 5 | 855,000 | 1 | 1 | | |
| North Dakota..... | 3 | 2 | 1 | 3 | 1,488,000 | 2 | 800,000 | 1 | 628,000 | | | | |
| Ohio..... | 37 | 9 | 28 | 18 | 11,425,500 | 5 | 5,660,000 | 13 | 5,765,500 | 7 | 12 | | |
| Oklahoma..... | 7 | 4 | 3 | 6 | 1,546,822 | 3 | 946,822 | 3 | 600,000 | | 1 | | |
| Oregon..... | 2 | 1 | 1 | 2 | 600,000 | 1 | 300,000 | 1 | 300,000 | | | | |
| Pennsylvania..... | 63 | 26 | 37 | 37 | 31,470,060 | 19 | 21,322,760 | 18 | 10,147,300 | 9 | 17 | | |
| Rhode Island..... | 7 | 4 | 3 | 4 | 3,165,000 | 2 | 1,600,000 | 2 | 1,565,000 | | 3 | | |
| South Carolina..... | 6 | 2 | 4 | 5 | 1,675,837 | 1 | 1,075,837 | 4 | 600,000 | 1 | | | |
| South Dakota..... | 4 | 3 | 1 | 3 | 385,000 | 3 | 385,000 | | | | 1 | | |
| Tennessee..... | 3 | | 3 | 2 | 1,046,000 | | | 2 | 1,046,000 | 1 | | | |
| Texas..... | 23 | 14 | 9 | 12 | 3,384,500 | 9 | 2,870,000 | 3 | 514,500 | 4 | 7 | | |
| Utah..... | 2 | 1 | 1 | 2 | 745,400 | 1 | 245,400 | 1 | 500,000 | | | | |
| Vermont..... | 3 | | 3 | 2 | 500,000 | | | 2 | 500,000 | 1 | | | |
| Virginia..... | 9 | 6 | 3 | 5 | 2,338,556 | 3 | 1,116,806 | 2 | 1,221,750 | 1 | 3 | | |
| Washington..... | 12 | 5 | 7 | 7 | 2,101,234 | 3 | 685,234 | 4 | 1,416,000 | | 5 | | |
| Wisconsin..... | 22 | 12 | 10 | 14 | 18,831,000 | 8 | 8,405,000 | 6 | 8,426,000 | 2 | 6 | | |
| Wyoming..... | 1 | | 1 | 1 | 500,000 | | | 1 | 500,000 | | | | |
| Grand total..... | 613 | 346 | 266 | 283 | 486,744,783 | 173 | 371,644,723 | 310 | 124,799,060 | 67 | 163 | | |

TABLE 15.—PWA ALLOTMENTS IN GRANTS AND LOANS FOR SCHOOL-BUILDING CONSTRUCTION AND TOTAL COST OF SCHOOL BUILDINGS AS REPORTED BY 20 STATE DEPARTMENTS OF EDUCATION, HAWAII, AND ALASKA

| State | Total cost of school buildings | Amount of PWA | | Total PWA grant and loan |
|---|--------------------------------|-------------------|-------------------|--------------------------|
| | | Grant | Loan | |
| 1 | 2 | 3 | 4 | 5 |
| Delaware..... | \$1,204,167 | \$331,364 | ----- | \$331,364 |
| Indiana..... | 15,436,398 | 6,445,394 | \$113,500 | 6,558,894 |
| Iowa..... | 8,917,107 | 3,342,238 | 22,000 | 3,364,238 |
| Kansas..... | 11,944,791 | 4,575,765 | ----- | 4,575,765 |
| Kentucky..... | 8,279,059 | 3,228,852 | 2,359,712 | 5,588,564 |
| Massachusetts..... | 4,172,105 | 1,498,339 | ----- | 1,498,339 |
| Michigan..... | 7,851,369 | 2,990,334 | 3,150,199 | 6,140,533 |
| Minnesota..... | 6,594,282 | 2,814,819 | 3,551,383 | 6,366,202 |
| Mississippi..... | 5,028,910 | 2,208,771 | 1,533,436 | 3,742,207 |
| Missouri..... | 20,225,177 | 6,615,856 | 1,925,374 | 8,541,230 |
| New Mexico..... | 1,534,380 | 631,796 | 537,542 | 1,169,338 |
| North Dakota..... | 2,891,949 | 1,075,585 | 918,900 | 1,994,485 |
| Oregon..... | 3,824,159 | ----- | ----- | ----- |
| South Dakota..... | 3,235,597 | 1,204,627 | 4,777,000 | 5,981,627 |
| Tennessee..... | 8,386,656 | 3,428,771 | 1,047,476 | 4,476,247 |
| Texas..... | 19,524,081 | 8,340,057 | 3,762,650 | 12,102,707 |
| Virginia..... | 5,495,499 | 2,298,760 | ----- | 2,298,760 |
| West Virginia..... | 211,062 | 96,199 | ----- | 96,199 |
| Wisconsin..... | 9,368,977 | 3,832,990 | 23,000 | 3,855,990 |
| Wyoming..... | 1,108,563 | 459,574 | 213,700 | 673,274 |
| Total..... | 145,234,288 | 55,420,091 | 23,935,842 | 79,355,933 |
| Hawaii..... | 100,476 | 30,143 | ----- | 30,143 |
| Alaska..... | 286,125 | 201,867 | ----- | 201,867 |
| Total, including Hawaii and Alaska..... | 145,620,889 | 55,652,101 | 23,935,842 | 79,587,943 |

TABLE 16.—ESTIMATED COST OF NEEDED SCHOOL-BUILDING CONSTRUCTION AS REPORTED BY 7 STATE DEPARTMENTS OF EDUCATION, HAWAII, AND ALASKA

| State | Amount needed |
|---|--------------------|
| Delaware..... | \$4,000,000 |
| Kentucky..... | 35,000,000 |
| Missouri..... | 50,000,000 |
| Tennessee..... | 20,000,000 |
| Texas..... | 40,000,000 |
| Virginia..... | 50,000,000 |
| West Virginia..... | 21,000,000 |
| Total..... | 220,000,000 |
| Hawaii..... | 5,957,500 |
| Alaska..... | 225,000 |
| Total, including Hawaii and Alaska..... | 226,182,500 |