

# OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS

1933-34

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Bulletin 1938, No. 6

UNITED STATES DEPARTMENT OF THE INTERIOR . . . *Harold L. Ickes, Secretary*

OFFICE OF EDUCATION . . . . . *J. W. Studebaker, Commissioner*

UNITED STATES GOVERNMENT PRINTING OFFICE . . . . . WASHINGTON : 1938

For sale by the Superintendent of Documents, Washington, D. C. . . . . Price 15 cents

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## FOREWORD

The phenomenal increases both in the total number of children attending American high schools and in the percentage of boys and girls of high-school age actually attending school are frequently cited as important reasons for or factors in the rapidly expanding curriculum of secondary schools. This is, of course, true, but it is only part of the reason. If the character of the secondary-school population had not changed from what it was in the early days, nevertheless the curriculum must have changed greatly, in order to continue to prepare even a select few of the young people to understand and participate in the constantly changing environments in which they lived. If the secondary school is to do equally well for all its rightful clientele, even more extensive changes are required to provide for the varied needs, interests, and abilities represented.

The fact that curriculum workers are not completely sure of how to determine "needs" of boys and girls at different stages of development, how to evaluate their interests, and how to assay their "abilities" leads to great variation in curriculum offerings among schools. These variations among schools are important, for they evidence desirable experimentation on a problem which is by no means solved.

Periodically since 1890 the Office of Education has attempted to catch and keep a sort of survey picture of the developing secondary school curriculum. Each one shows the school's answer to the question of what is good—educationally—for boys and girls. Each one shows, too, through registration figures for electives, what boys and girls think is good for them—educationally.

The Office now presents the latest in the survey pictures of the secondary school curriculum. It does so partly because it believes that the record of change is itself valuable. But also it is hoped that in the account may be found the means for productive study of what is good for high-school boys and girls—educationally.

BESS GOODYKOONTZ,  
*Assistant Commissioner of Education.*



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## OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS, 1933-34

### RECURRING STUDIES OF SUBJECT TRENDS

Two significant measures of curriculum trends are the subject offerings and the subject registrations as they exist from time to time in the schools. Obviously, the offerings determine what subjects pupils have an opportunity to take; and, manifestly, the registrations indicate what subjects they do take.

The Office of Education has made a number of recurring studies of subject trends in the public high schools of the United States. Annual studies were made from 1890 to 1906. Studies since that time were made in 1910, 1915, 1922, and 1928.<sup>1</sup> The present study, based on 1934 data, continues the series.

### THE NUMBER OF SUBJECTS

The first study, in 1890, supplied information on registration in nine subjects: Latin, Greek, French, German, algebra, geometry, physics, chemistry, and history. By 1895 trigonometry, astronomy, physical geography, geology, physiology, psychology, and rhetoric had been added. It will be observed that, with the exception of four science subjects, namely, physiography, meteorology, botany, and zoology, this listing includes all subjects recommended in 1893 by the committee of 10 for inclusion in the four fundamental curriculums. In 1898 English literature and civics were added to the Office of Education list, which was not again changed until 1910. Beginning with 1897 data were supplied not only on numbers of pupils pursuing the various studies but also on the number of high schools in which these subjects were offered.

In the 1910 tables are also included data on Spanish, zoology, botany, agriculture, and domestic economy; and in 1915 general biology, industrial training, manual training, drawing, vocal music, and bookkeeping were added.

With the appearance of subject registration statistics in the Biennial Survey of Education in 1922, the list of subjects was more than doubled from that reported on in 1915. The additions were prin-

<sup>1</sup> All studies up to and including 1915 were reported in the annual reports of the Commissioner of Education. Findings of the 1922 and 1928 studies were given in the Biennial Surveys of Education for those years.



cipally in the fields of the social studies, shop subjects, and commercial work. In this study also was introduced for the first time an attempt to list some subjects which were not generally offered in all or nearly all States, but which might nevertheless be of considerable importance in certain sections of the Nation.

The studies of 1928 and 1934 carried much farther the listing of subjects which were offered only in some of the States. With 79 subjects so listed in 1928 in addition to 77 subjects which were offered much more universally, one arrives at a total of 156 subjects for which data were reported in that year. In 1934 the total number of subjects included was 206; 111 of these were rather universally offered, while 95 were offered in fewer than 15 States.

The number of subjects for which data have been tabulated from time to time since 1890 indicates in general the great expansion which has taken place in the high-school curriculum during this period. Still one needs to exercise care in not becoming too enthusiastic about drawing conclusions.

In the first place, the completeness of the data varies through the years. As the curriculum offerings have expanded, the disposition has been to collect more nearly complete statistics regarding them. The reports for 1922, 1928, and 1934 are much more complete as regards subjects infrequently offered than are the investigations conducted in 1915 and earlier years.

Then, too, some of the studies for which data have been gathered, both in early and late years, are in reality subject fields rather than individual subjects. For instance, "history," originally listed as an individual study was later broken into component subjects. The languages have always been counted as individual studies although each language in practice includes a sequence of years of study.

Moreover, many of the studies which are listed and thought of as individual subjects involve considerable combination. One school reports industrial history, another economic history; both are combined in this study under industrial history. Physiography is listed under physical geography, retailing under salesmanship, cosmetology under beauty culture, aviation under aeronautics, etc. Some schools report courses in brickmasonry, others in stonemasonry, still others in brick- and stone-masonry; these courses are not listed separately but are combined under brick- and stone-masonry. Similarly, courses such as welding, foundry, and forge, or clay modeling, ceramics, and pottery indicate by their very names that they are composites. Besides, certain listings, such as vocal and instrumental music, are obviously family names for a considerable variety of courses similar in nature but dissimilar in content.

For these reasons it is unsafe to rely with complete confidence upon the number of subjects as a measure of curriculum expansion. How-



ever, we know that no great variety was present in the curriculum offerings of American high schools at the turn of the century. The close parallel existing up to 1910 between the subjects for which registration data were gathered by the Office of Education on the one hand, and the curriculum recommendations of the committee of 10 on the other, indicates that only about a score of subjects were during that period importantly represented in the offerings of American high schools. However, one would not be justified in saying or implying that, since the Office of Education reported data on 16 subjects in 1895 and on 206 subjects in 1934, the expansion has been seventeen-fold in the 39 years. High schools offered more than 16 subjects in 1895 and more than 206 individual subjects in 1934. The expansion has been very great, as is suggested by these numbers and as will appear in the discussion which follows.

#### TRENDS IN REGISTRATIONS, 1890 TO 1934

*Reading the data.*—A majority of the findings reported in the subject investigations made by the Office of Education since 1890 supply information on both the number of schools offering the various subjects and the number of pupils registered for them. However, in some of the earlier studies, tabulations were made only of registrations. For this reason, and also because the number of registrations is a far more significant measure than the number of offerings, the historical table given here (table 1) deals only with registrations. Every effort has been made to provide comparable data for the different years represented in table 1, but the reader should realize that in a span of 44 years names of subjects will change and new subjects will arise to absorb curriculum content which at earlier periods were included in courses called by other names.

Attention is invited to the double-column arrangement of table 1, the number of students being listed in the first column under each date and the percent of the total in the second column. The base from which this percentage is calculated is given in the first horizontal line of the table. For example: In 1890 the total enrollment in the last 4 years of the schools reporting was 202,963; the number taking Latin in that year was 70,411; this number taking Latin was 34.69 percent of the total number enrolled; and so for Latin in other years. In the same way, the percentage of the pupils enrolled in the last 4 years of high school who were taking any other subject at the several dates listed may be ascertained by reference to table 1. As explained in the note to the table, this percentage figure is more nearly comparable for later years than for the earlier period.

*Languages.*—English shows an interesting development. No data concerning it were gathered until 1895, when rhetoric appeared in the list of subjects and was taken by about one-third of the pupils. There



were, of course, other English subjects offered at that time; in 1898 English literature was added to the list on which data were gathered; in 1900 more than four-fifths of the pupils were registered in classes of rhetoric or English literature. By 1905 nearly all pupils were registered for one or the other; through 1910 and 1915, with nearly everyone required to take 4 years of English and with some pupils taking more than one English course, the combined percentage rose to considerably over 100. After the war, many schools reduced their requirements, allowing pupils considerable opportunity for election of special English subjects during the final year in high school. The percentage registered in regular English courses (English I, English II, etc.) dropped below 100 and has remained below that figure, while registrations in special English courses, such as journalism and public speaking, have increased. If the registrations in these special English courses for 1934 are added to the registrations in regular English the percentage rises to nearly 96 percent of the total, despite the fact that, as shown in table 1, registrations in regular English are only about 90 percent of the total.

Latin has throughout the period under consideration maintained its position as the principal foreign language in the curriculums of American high schools. Registrations in this subject reached their peak from 1900 to 1910 when approximately half of the pupils attending high schools in any given year were taking Latin. Since 1910 the decline has been steady: 37.3 percent of the total enrollment pursued Latin in 1915; 27.5 percent, in 1922; 22 percent, in 1928; and 16 percent, in 1934.

French has more nearly retained its position in American high schools than any other foreign language. Its rise was very gradual during the first 25 years, but was accelerated during the war period; since 1922 it has registered declines in the percentages both for 1928 and for 1934.

German also gained steadily in registrations up to 1915. Throughout these years it was second to Latin. With the war it was practically eliminated from high-school curriculums, its position in second place being taken by French. Since 1922 German has been coming back into the high schools, but registrations in the subject are still relatively unimportant.

The entry of other languages has as a general rule been recent. Greek, it is true, was taken by an appreciable number of pupils in the early years; but it has now all but disappeared as a high-school subject. Spanish got a late start, gained rapidly between 1915 and 1922, and dropped off since that date, especially between 1928 and 1934. Italian, which is next in line, had a registration of slightly over 10,000 in high schools enrolling four and a half million pupils in 1934. No other languages are encountered frequently enough to be included in table 1.



*Mathematics.*—From the earliest times, no school would expect to operate without mathematics courses in its offerings. It is, therefore, not astonishing to find that data on mathematics courses have been gathered in all of the Office of Education studies. Algebra and geometry were included among the nine subjects of the first tabulation and by 1895 trigonometry and astronomy had been added. These four mathematics subjects are represented in table 1.

Algebra and geometry (in which are included advanced courses as well as beginning work) show a rise in percentages to a peak about 1905 to 1910 with a persistent decline since that time. In view of the fact that the method of calculating percentages was changed with the 1910 study, it may be urged that contrasts appearing at that time are not reliable. It needs to be observed, however, that the percentages of 1905 and 1910 are very nearly the same; the important rises came before 1905, just as the important recessions have occurred after 1910. To some extent the decline in algebra and geometry is balanced by new registrations in general mathematics. However, the number of pupils taking general mathematics during the last 4 years in high school has never been very large and itself showed a decline not only in percentage but also in actual numbers between 1928 and 1934.

Trigonometry never was pursued by large numbers of high-school pupils; and astronomy, which had nearly twice as many registrations as trigonometry in 1895, has almost disappeared as a high-school subject.

*Science.*—Science came into the curriculums of American secondary schools at a much later date than did the classics and mathematics, but data for physics and chemistry among the sciences are available throughout the period covered by table 1. The percentage trend of physics has been generally downward; chemistry arrested its percentage decline about 30 years ago and has since then displayed a tendency to rise. From having less than half as many registrations as physics in 1895, it now is studied by more pupils than is physics.

The other three science subjects reported on in early years, namely, physical geography, geology, and physiology, have given place to newer emphases in science; their decline has been contemporaneous with absorption of much of their content into courses in general science and in hygiene and sanitation. Similarly, such content of botany and zoology as has survived is now to be found principally in biology courses. Both biology and general science have had phenomenal increases during the last 25 years.

*Social science.*—The change of emphasis within the science field has been paralleled, if not exceeded, in importance by developments in the social science group of subjects. The changes have occurred both in history and in social sciences other than history. The percentage of pupils taking history doubled between 1890 and 1910; it has declined



since that time while other social science subjects have been gaining in favor.

Within the history group of subjects the evidence since 1915, when a breakdown of history into individual subjects was first made, indicates that American history has been largely holding its own, English history has almost been eliminated, and 2-year sequences in foreign history are gradually giving way to 1-year courses in world history. The stability of the percentage taking American history is ascribable to its generally being a required subject. While the percentages of pupils studying foreign history might at first sight suggest a falling off in number of pupils reached, more careful examination of the data does not justify such a conclusion. Pupils are now much more often than some years ago giving only 1 year to study of the history of foreign nations, but, owing to the rapid rise of world history, the proportion of the pupils who are exposed to foreign history at some place in their high-school courses appears not to have diminished. The amount of time given to foreign history has declined.

Five social sciences other than history are listed in table 1. Of these, civil government is the only one which has been reported upon throughout the present century. At first this in all probability was essentially a course in government given somewhere within the last 2 years of the high-school course. Increasingly through the years, community civics registrations were combined with it in the tabulations. In 1928 for the first time community civics registrations were tabulated separately and their number was found to be twice the registrations in civil government courses. Problems of American democracy has gained very rapidly in registrations during the last few years somewhat at the expense, it is true, of sociology, economics, and civil government. If one bears in mind that courses in American history have been reorganized to include more extensive study of movements than of isolated events, it becomes apparent that consideration of social, governmental, and economic problems is one of the prevailing motives in the high-school curriculum.

*Nonacademic subjects.*—While some of the subjects which are to be treated in the paragraphs which follow have elements of academic work about them, they are here classified as nonacademic because by and large they require more manipulative skill and less abstract thinking than do English, foreign languages, mathematics, science, and social science.

The nonacademic subjects made their debuts into the curriculums of American high schools at a later date than did most of the subjects represented in the five major academic fields. The first to come into the Office of Education tabulations were agriculture and home economics which appeared in 1910; manual training, drawing and art, music, and bookkeeping were added in 1915; but the first extensive



listing of nonacademic subjects occurred in 1922; since that time the list has been greatly expanded. Partly because the data cover a relatively short period of time, partly because the registrations in most of the nonacademic subjects have been so small as not to warrant inclusion in table 1, the comment on them will be relatively brief; later in these pages more extended discussion will be given to present status of this important group of subjects.

First in the listing comes a group consisting of agriculture, home economics, shop work and industrial arts, and commercial work; these are usually known as vocational subjects.<sup>2</sup> Agriculture in 1934 showed the highest number of registrations it had ever had; at the same time its percentage in relative standing was lower than for any other year shown in table 1. Home economics has increased with each period since 1910 in both the registration and percentage columns; the percentage rise between 1928 and 1934 is slight. Industrial subjects, under which are included all work in trades and industry as well as industrial arts, has also had consistent increases over the last 20 years.

Data in the commercial field are confined largely to the period beginning with 1922. Bookkeeping and penmanship have had the greatest recessions, while typewriting, office practice, commercial law, and especially elementary business training show increases. Shorthand has remained about stationary percentagewise, while commercial arithmetic and commercial geography rose in relative standing between 1922 and 1928, but dropped back during the interval between 1928 and 1934.

Registrations in drawing and art, including mechanical drawing, reveal an irregular trend. Possibly they reflect a belief on the part of many persons that these subjects are not so essential as are most of the others; their history, as shown in table 1, suggests that they are introduced in periods of prosperity to be eliminated when it becomes necessary to retrench in school expenditures. Music shows somewhat similar characteristics although it is more stable than drawing and art in the percentages of pupils taking it from time to time. The fine arts generally have not been gaining over the last 20 years if one compares their registrations with the total number of pupils enrolled in the high schools.

Physical education has had a more rapid rise in registrations than any other important subject represented in table 1, outstripping even such competitors as problems of American democracy and elementary business training. One needs to bear in mind that physical education is a subject field and not an individual subject; consequently, it is

<sup>2</sup>The term "vocational subjects," is here used in its inclusive sense to designate all subjects offered in the four departments mentioned. The author is well aware that the term "vocational subjects" has over a period of years been used in a restricted sense to indicate those courses in home economics, trades and industry, and agriculture which are taught with a definite vocational motive. Where this restricted interpretation is present in this discussion, it will be indicated by repetition of the department name with the adjective "vocational", as, for instance, vocational agriculture, vocational home economics, etc.



comparable to other subject fields such as social studies or commercial work, rather than to problems of American democracy or elementary business training.

*Individual subjects and subject fields.*—The statement which has just been made regarding physical education applies equally well to English, Latin, French, Spanish, German, agriculture, home economics, industrial subjects, drawing and art, and music. All of them are subject fields which pupils may study over a period of years instead of for a semester or a year, as happens most often with individual subjects. In fact, the only individual subjects listed in table 1 are in the fields of mathematics, science, social science, and commercial work. It, therefore, appears pertinent before closing this section to supplement the discussion given to individual subjects with some general comment on the total situation in each of these four subject fields as revealed in table 1.

Mathematics as a subject field rose in the percentage of pupils registered in it until 1910, but has since that time shown a continuous recession which has accelerated with the years. Science rose rapidly in favor during the final decade of the last century, then dropped in registrations after 1910, and has held fairly steady for the last 20 years, the shifts in registrations being principally in the subjects making up the science group with no great change in the emphasis upon science study as a whole. The trend has been in the direction of increased emphasis on the social studies both as regards the variety of subjects offered and the number of pupils taking them; the rising demand has been arrested in recent years, but the introduction of new subjects tends to keep the total registration at a high level. The data for the commercial field extend only from 1922, but they reveal a steady rise in registrations through each succeeding period.

Complete reliance on the data given needs to be tempered with the realization that subjects and subject fields are represented in table 1 only as they have from time to time been judged important in the number of their registrants. The consequence is that the picture presented is one in which the broad outlines have been sketched, but many of the details which serve to make the full effect more meaningful and impressive have been omitted. The significance of this statement will appear more clearly as the reader compares data for 1934 presented in table 1 with detailed information for that same year given in tables 2, 3, and 4.

#### OFFERINGS AND REGISTRATIONS IN 1934

##### DISCUSSION OF STATUS

Up to this point discussion has centered upon the trends in subject registrations over the period from 1890 to 1934. The reader is now asked to transfer his attention from trends over a period of time to status at a given time, namely, 1934.



In the effort to present an accurate and definite description of the studies offered and taken in American high schools frequent reference will be made to tables 3 and 4. In these are reported the offerings of more than 70 percent of the schools and the subject registrations of nearly 80 percent of the total number of pupils attending high school.

For the first time in this series of investigations the length of time a subject was pursued is shown in the tables through classification as to whether the courses were a full school year or only one semester in length. In the case of languages, courses were, with few exceptions, a full year in length; consequently, the main emphasis in classification of languages is upon the number of years of study.

For the first time, also, data were gathered concerning subject registrations in the seventh and eighth grades of junior high schools and undivided schools. Owing to the fact that all the studies from 1890 to 1928 concerned the last 4 years of high school, it was judged best to retain such classification in the present study; wherever registrations were reported for high-school grades below the last 4 years, they have for convenience in naming them been classified under "Grades 7 and 8" in both table 3 and table 4, despite the fact that in systems which are organized on the 11-year plan these pupils are, of course, in grades 6 and 7.

#### LANGUAGES

*English.*—English is offered in all high schools and is taken generally by all pupils except that in some schools the regular English work of the final high-school year may be replaced by an elective, either in special English courses or in other work. In 1934, of every 1,000 pupils enrolled in the last 4 years of high schools, 325 were in the first year, 274 in the second year, 219 in the third year, and 182 in the fourth year.<sup>3</sup> Leaving out of consideration those pupils whose classification by year was not given, one finds from table 3 that of every 1,000 pupils registered in regular English classes in the last 4 years of the course, 333 were taking first-year English; 281, second-year English; 229, third year; and 157, fourth year. It will be observed that, owing to the necessity for repetition of required subjects by some pupils, the registrations for first-, second-, and third-year English were slightly greater than the enrollments in those grades,

<sup>3</sup> Office of Education Bulletin, 1935, No. 2, Chapter V, Statistics of Public High Schools, 1933-34. If one grants that the 4,496,514 pupils enrolled in the last 4 years of public high schools reporting their subject registrations are similarly distributed, the number in each year is as follows:

First year.....	1,461,367
Second year.....	1,232,045
Third year.....	984,737
Fourth year.....	818,365
Total.....	4,496,514

These figures will be referred to later in this bulletin.



but that the enrollment in the fourth year outstripped the registration in English.

It is pertinent here to comment on certain special subjects related to English and reported on in columns 62 to 100 of table 3. Public speaking leads with more than twice as many registrations as spelling which is second in order. Public speaking taught as a special subject away from regular English appears generally in the last 4 years, whereas spelling is more frequently taught separately in grades below the last 4 years. Other subjects which appear prominently in later high-school years are dramatic art and journalism. Special courses in literature are also largely found in the more advanced years; reading courses, on the other hand, are principally offered in grades 7 and 8; special courses in composition, novel, and short story are found only in the last 4 years. The three courses last mentioned are also the only ones in the group which are more frequently offered for a half-year than for a full year; in most of the others the full-year courses appear at least twice as often as those given for a half-year. Regionally, special courses in English occur with infrequency in the programs of high schools in New England and the Southern States; they are found most often in the West, especially on the Pacific coast.

*Latin.*—Half of the pupils registered in Latin are doing their first year of work in the subject; approximately seven-eighths of the total registration is in the first 2 years; the mortality in registrations is especially heavy between the second and third years, but continues also with considerable force into the fourth year. While, as already mentioned in an earlier section, English registrations as here reported are not identical with the enrollments in the several high-school years, the variations are relatively slight. It is, therefore, of some significance to note that the total Latin registration in the first year is somewhat more than one-fourth as large as the English registration in that year, that the second-year registration in Latin is somewhat under one-fourth of the English registration for the second year, and that in the third year the ratio is one registration in Latin to each 16 or 17 registrations in English.

About 16 percent of the high-school pupils in the last 4 years were in 1934 registered in Latin classes; more than 63 percent of the schools were offering Latin in their programs of study. Less than 2 percent of the pupils of seventh and eighth grades were taking Latin, the large majority of these being members of the eighth grade.

*French.*—Approximately 35 percent of the schools were offering French and about 11 percent of the pupils were taking it in 1934. The number pursuing French in grades 7 and 8 was negligible, only 1.2 percent of the enrollment in those grades.

The persistence of pupils in French courses is very similar to that for Latin in the first 2 years. The drop between second and third



years is not so high as for Latin, but is much higher between the third and fourth years.

*Spanish and German.*—Nearly three-fifths of the total registration in both Spanish and German is found in the first year. The mortality is higher than for Latin and French between the first and second years and the drop is very rapid in the third and fourth years. One school in every 6 offers Spanish and 1 school in every 15 offers German. Spanish is pursued by 6 percent of the pupils and German by 2.5 percent. Only a fraction of 1 percent of the pupils in grades 7 and 8 are taking either of the subjects.

*General foreign language.*—Courses in general foreign language were reported by 122 schools distributed through 26 States. The registrations are almost entirely from among seventh- and eighth-grade pupils, about two-thirds of these being in half-year courses. The total registration is slightly above 1 percent of the enrollment in grades 7 and 8.

*General comment on foreign languages.*—In table 4 are listed 10 other foreign languages encountered less frequently than those included in table 3. Among these, Italian is studied more than the others. Special interest may attach to the present status of Greek, since it was 1 of the 9 subjects on which data were gathered in 1890; in 1934 small registrations in Greek were reported by 13 schools in 8 States. The predominance of Latin, French, Spanish, and German may be judged from the fact that more than 99 percent of the entire foreign language registration is in these four languages; 45 percent of the registration is in Latin alone, the other 55 percent being distributed among modern languages.

Somewhat more than half of the first-year pupils are registered for a foreign language (see note 3 under discussion of English) and less than half of the second-year pupils are taking the subject, either in continuation of a language already started in their first year or as beginners. Only one-eighth of the third-year pupils are pursuing a foreign language (and it needs to be borne in mind that some of these are beginners in the subject, not advanced students) while the registration among fourth-year pupils is even much smaller.

Schools in the eastern part of the United States and in California are more likely to report offerings and large registrations in foreign languages than are the schools of other sections. (See table 2 for facility in comparisons.) Schools in New England and in the Middle Atlantic States are especially high in their registrations in Latin and French. Some of the States in the northeastern part of the Mississippi Valley show high registrations in Latin but not in French, while a number of New England and Southern States record higher registrations in French than in Latin. Spanish holds forth especially along



the Mexican border, outstripping all other foreign languages in California, Arizona, New Mexico, Texas, Colorado, and Nevada; more than two-fifths of the total registrations in Spanish are reported from these six States. Historical and geographical associations also tend to account for the high registrations in French recorded by Maine and Louisiana, and in German by schools in Pennsylvania and in States of the Northern Mississippi Valley.

#### MATHEMATICS

*Arithmetic.*—Two-thirds of the total enrollment in grades 7 and 8 were in 1934 taking elementary arithmetic, the large majority of these pupils being registered in full-year courses (table 3). The less than 100-percent participation is accounted for partly because some pupils do not take mathematics in both grade 7 and grade 8 and partly because some of the pupils in these grades pursue other mathematics subjects, such as general mathematics or elementary algebra. On the other hand, for 21 pupils in every 1,000 the study of elementary arithmetic is not completed until some time during the last 4 years of high school.

Advanced arithmetic is altogether reserved for the last 4 years of high school and is offered in almost a fifth of these schools. Registrations are, however, rather small and are more often than not in half-year courses. Advanced arithmetic is more prevalently offered in the South and more particularly in States where the 11-year school system is predominant; no State has any large number of pupils registered in the subject.

*Algebra.*—More than 90 percent of the schools are offering elementary algebra and 22.7 percent of the pupils are taking it. Since elementary algebra is usually offered in the first year of a 4-year high-school course, it is pertinent to observe that the registration is 70 percent of the enrollment in that year as computed and reported in note 3 of this discussion. The variation is large among States, extending from a registration of one among every three pupils in States where algebra is a required subject to one among every seven or eight pupils in some States where the subject is a free elective or approaches being so.

One-third of those completing elementary algebra later continue into advanced algebra. Here the half-year courses are much more numerous, but even so more than two-thirds of the pupils taking advanced algebra study it for a full year. As reported in table 1, more than 30 percent of the total enrollment in 1934 were taking courses in elementary or advanced algebra.

*Geometry.*—Among mathematical subjects of the 4 high-school years, plane geometry is next to algebra both in offerings and registra-



tions. However, between one-fifth and one-sixth of the schools do not offer plane geometry. The registration is about two-thirds of that in algebra and is slightly over 55 percent of the potential registration if one regards the second year of the 4-year course as the place for geometry study.

Fewer pupils continue with solid geometry after completing plane geometry than are attracted to advanced algebra after a year of elementary algebra. Only one in seven or eight plane geometry pupils will enter solid geometry classes. The large majority of solid geometry courses are only one semester in length.

*General mathematics.*—As might be expected, general mathematics is found in seventh and eighth grades more often than in the last 4 years; but general mathematics has not made its way extensively into the programs of American high schools at any level. In the seventh and eighth grades it has a total registration less than one-fourth of that found in arithmetic, and its registrants in the last 4 years are only about one-eighth of the number taking algebra.

*Other mathematics subjects.*—Five other mathematics subjects were reported. Two of these, namely, trigonometry and astronomy, were encountered frequently enough to be included in table 3, but trigonometry is the only one offered in all States. It is generally offered as a half-year course. Of the mathematics subjects listed in table 4, surveying is the only one offered in more than one State. It should be mentioned that a few additional subjects, such as banking and accounting, are viewed as belonging to the commercial field rather than to mathematics.

*General comment on mathematics.*—Nearly 84 percent of the high-school pupils in grades below the last four were in 1934 pursuing work in mathematics. Four-fifths of them were taking elementary arithmetic, the remaining one-fifth being largely found in general mathematics classes; a small number were registered in algebra.

The sum of the mathematics registrations in the last 4 years of high school is 56 percent of the total enrollment in those grades, but in view of the fact that many of the registrations are in 1-semester subjects with consequent chances that some pupils are counted twice as registrants, it appears more correct to say that not many more than half of the pupils were taking work in mathematics in 1934. On the assumption that most of the registration in algebra, advanced arithmetic, and general mathematics was in the first year, one is justified in concluding that about 80 percent and certainly not more than 85 percent of the pupils in the first year of the 4-year course are registered in mathematics. The percentage drops rapidly in succeeding years. Just as elementary arithmetic is the dominant mathematics course for younger pupils, so elementary algebra is the predominant



## 14 OFFERINGS AND REGISTRATIONS—HIGH-SCHOOL SUBJECTS

ing course in the last 4 years with plane geometry, advanced algebra, general mathematics, advanced arithmetic, elementary arithmetic, solid geometry, and trigonometry following in order.

### SCIENCE

*General science.*—The leader in the science group is general science both in number of offerings and in number of registrations. Moreover, it leads in the last 4 years of high school as well as in seventh and eighth grades. Its ascendancy over other sciences is especially pronounced in the seventh and eighth grades, where it has between six and seven times as many registrants as all the other sciences combined; even so its registration is less than two-fifths of the total enrollment in these grades.

In the last 4 years nearly 800,000 pupils were taking general science, generally as a full-year subject. As reported in table 1, this is nearly 18 percent of the total enrollment in these grades. It is more than 54 percent of the enrollment in the first year, which is the level where general science is usually offered.

*The biological sciences.*—The registration in biology is entirely in the last 4 years. Its status when compared with the total enrollment in the second year is about the same as that of general science, more than 53 percent of the potential registrants taking the subject. More universally than with general science it is a full-year subject. If the related subjects, botany and zoology, are included the percentage rises to 59.

Addition of the registrations in physiology, nature study, and hygiene and sanitation (the last-named listed with physical education instead of with science in table 3) brings the total registration in the six principal biological sciences to more than 1,100,000 pupils. This is very nearly 25 percent of the total enrollment in the last 4 years. Since 4 years are represented, this would indicate that relatively few pupils do not at some time in the high-school course study one or more subjects in the biological science group; and this leaves out of account registrations in agriculture.

*Chemistry and physics.*—The predominating sciences of the third and fourth years are chemistry and physics. Taken together these two subjects attract more than a third of the combined registration in these 2 years. Both subjects are with rare exceptions pursued for a full year.

*Other science subjects.*—Aside from general science and physiology, nature study and physical geography are the only science subjects reported in grades 7 and 8. Physical geography and geology are offered in a sufficient number of schools to be included in table 3 and five other sciences are listed in table 4. Physical geography is the only one of these having any considerable number of registrants and, as



reported in table 1, its registration is only 1.59 percent of the enrollment in the last 4 years.

*General comment on science.*—More than 45 percent of the pupils in seventh and eighth grades and more than 51 percent of the pupils in the last 4 years of high school were in 1934 registered in science courses. It would appear, therefore, that the typical pupil registers in a science subject either in grade 7 or grade 8 and that he takes two science subjects during his last 4 years in high school.

Four sciences are dominant in the programs of American high schools, namely, general science, biology, chemistry, and physics. These four account for nearly nine-tenths of the science registrations in the last 4 years. In grades 7 and 8 general science all by itself holds almost as commanding a position.

Noticeable variations appear among the States in the emphasis placed upon the different science subjects (table 2). The greatest range occurs in general science where the percentage of the total enrollment registered in the subject varies from less than 3 percent in one State to more than 25 percent in others; in biology the range is from less than 8 percent to nearly 26 percent; in chemistry from 3 to 12; and in physics from under 2 to over 15.

In certain States the registrations are high in a number of science subjects. In some States high percentages of registration are present in one or more science subjects while other sciences still are offered in few schools or are taken by few pupils. Arkansas, Indiana, Iowa, Michigan, and Virginia offer interesting contrasts of this kind.

#### SOCIAL SCIENCE

*American history.*—Well over a million pupils were reported as studying American history in 1934 (table 3). The subject is first in registrations in both seventh and eighth grades and in the last 4 years of high school. Nearly nine-tenths of the courses are a full year in length. Since advanced courses in American history are usually offered in one or the other of the last 2 years of high school, it is pertinent to observe that more than six-sevenths of the potential registration is taking the subject. Similarly three-fourths of the pupils in grades 7 and 8 are taking American history in one or the other of those years.

*Foreign history.*—The combined registrations in various types of foreign history are approximately as large as in American history, but one needs to bear in mind that many of the courses in foreign history are pursued for more than 1 year; moreover, foreign history is more frequently studied in earlier years of the 4-year high school and consequently has a larger possible registration. For these reasons one is justified in the judgment that foreign history is second to American history in reaching high-school pupils.



Among the foreign history courses, world history is the leader. Largely it is a full-year course taught in the first or second years of the 4-year program. It has over a period of years been gaining at the expense of the 2-year sequence in foreign history represented by such courses as ancient history, medieval and modern history, early European history, and later European history.

Ancient history is next to world history in number of registrations and is followed closely by the combined registrations in medieval and modern history; apparently pupils who elect to take a more than 1-year course in foreign history follow through to take more than the first year of that sequence.

English history is offered in less than 4 percent of the schools. Foreign history is only infrequently offered in separate courses in grades 7 and 8.

Practices among States vary widely with regard to offerings. In 15 States the courses in ancient history outnumber the courses in world history; in one State the ratio is almost 10 to 1. In most States world history outnumbers its competitors and in a few States it is almost the only type of course offered in foreign history. Ancient history and to a lesser extent medieval and modern history are especially strong in the New England region and in certain Southern States; world history has its greatest ascendancy in some of the Western and Middle Western States.

*Governmental, social, and economic problems.*—Registrations in community government place it in third position among the social studies in the last 4 years of high school and in fourth place in the seventh and eighth grades. If the registrations in more advanced courses in civil government are added, the total number of pupils taking one or the other of these two government courses during their last 4 high-school years is very near to the total number registered in advanced American history. However, government courses are offered for a half-year much more frequently than American history.

Economics and sociology courses are generally pursued for only one semester. Economics outnumbers sociology 2 to 1 in its registrations. About midway between the two in total registrations is problems of democracy which, as usually found, combines the fundamentals of civics, sociology, and economics. In 13 States the number of schools offering problems of democracy is greater than the number of schools offering civil government, economics, or sociology. In other States courses in problems of democracy have found their way into relatively few schools and in two States they are not represented at all in the schools reporting. As shown in table 1, problems of democracy is one of the most rapidly growing subjects in the high-school curriculum.

*Other social sciences.*—Geography is second only to American history in registrations of seventh- and eighth-grade pupils; the registration is



one-third of the enrollment in these grades. Geography as a separate subject does not often appear in the programs of the last 4 years. Social science studies, which include fusion courses of general nature, are third in frequency in the seventh and eighth grades, but attract only between 2 and 3 percent of the pupils in the last 4 years. State history is reported as a subject by only 27 States, and in 8 of these cases by only one school in each State. Industrial history and international relations likewise are infrequently offered; 3 States, namely, California, Kansas, and North Dakota, account for three-fourths of both schools and pupils having special courses in international, pan-Pacific, or pan-American relations.

Another subject which attracts attention more because of its nature than the number of its registrants is the study of occupations. In the seventh and eighth grades, 6 percent of the enrollment register for it; in the last 4 years, 3 percent. One or more courses in occupations is reported in every State; 14 States, however, report no occupations courses in grades 7 and 8.

Twelve additional subjects which may be classified as social science are listed in table 4. Mostly they concern current affairs and special types of history which are with rare exceptions offered in the last 4 high-school years.

*General comment on social science study.*—The sum of the seventh- and eighth-grade registrants in social science subjects listed in table 3 is in excess of the total enrollment in grades 7 and 8 of schools represented in the table. Some of these registrations are in subjects pursued for a half-year but, after adjustment is made for this factor, the total registration still is greater than the enrollment. The largest registrations are in American history, geography, and general social science.

In the last 4 years of high school the total registrations are more than three-fourths of the total enrollment. Here the half-year courses are more numerous; after adjustment is made on the basis of counting 2 half-year registrations as comparable with one enrollment, the combined registrations are approximately two-thirds of the enrollment. Over half of the registrations are in history, one-fifth in civics, and somewhat less than one-fourth in other social studies.

In the seventh and eighth grades American history is first in registrations, community civics is fourth, and civil government sixth. In the last 4 years of high school first, third, and fifth positions are held, respectively, by American history, community civics, and civil government. It is significant that these three subjects dealing so specifically with our American institutions account for more than two-fifths of the total registrations in all social sciences taught in American high schools.



## HEALTH SUBJECTS

Three health subjects are listed in table 3 and three in table 4. It should not be concluded that this represents the entire emphasis which is given to health in the curriculums of American high schools; there are various subjects in other groups, especially in the science and home economics classifications, which have a strong bearing on the health objective. Then, again, some persons may object to the classification of hygiene and sanitation and military drill with the health subjects in table 3.

Everyone, it is surmised, will agree to considering physical education as a subject whose principal purpose is or should be to build good health. It is, therefore, of significance to note that its registration is three-fourths of the enrollment in seventh and eighth grades and more than half of the enrollment in the last 4 years of high school. As shown in table 1, it has had a very steep rise in registrations within the last 12 years, a rise which has been accelerated during the last 6 years.

In some States nearly all schools offer physical education, and a number not greatly removed from the total pupil enrollment is taking it; this would indicate that physical education is regarded as a constant to be taken every year by every pupil except in cases where some other form of physical activity is substituted or the pupil is excused for health reasons. In other States a rather small fraction of the schools offer physical education (only one-eighth in one State) and a correspondingly low percentage of the pupils are registered for it. It appears that areas most highly industrialized have been most eager to introduce the subject while agricultural areas have not so keenly felt the need of it.

No such territorial generalization can be made regarding hygiene and sanitation. East, South, North, and West are represented both among those States which have relatively high registrations and among those which have low registrations. Aggressive championing by groups or individuals rather than climatic or economic factors probably accounts for the variations. Nearly 30 percent of the pupils in seventh and eighth grades and 6.5 percent of those in the last 4 years are taking it. This places hygiene and sanitation in fourth position, just ahead of physics, if one compares it with subjects in the science group.

Military training is offered in relatively few schools and has a registration of only a little over 50,000 among a total of four and a half million pupils. Three-fifths of the schools offering it and more than three-fifths of the pupils taking it are in California, Illinois, Massachusetts, Michigan, and Texas. In 18 States no schools offer military training.



## DRAWING AND ART

Freehand drawing is the leader in registrations among drawing and art subjects both in seventh and eighth grades and in the last 4 years of high school; it is taken by nearly 30 percent of the pupils at the lower level and by 5.5 percent of those in the last 4 years. Most of the other art registrations are in table 3 grouped under the heading art-craft-design. Most frequently they were reported as art, but the classification given in table 3 includes some courses which were reported as crafts or design; in many cases it was impossible to judge from the data given whether they ought to be classified under industrial work or under art. Commercial art and mechanical drawing were tabulated as individual subjects and are so reported in table 3, commercial art being included with the drawing and art group of studies and mechanical drawing being listed with the industrial subjects; a number of other studies classified under industrial subjects in tables 3 and 4 might with almost as much justification have been included with the drawing and art group.

Exclusive of mechanical drawing the registration in drawing and art for seventh and eighth grades was two-fifths of the enrollment; with mechanical drawing it was over 50 percent of the enrollment. In the last 4 years of high school one-twelfth of the pupils were taking art courses exclusive of mechanical drawing; with it included, over 15 percent were registered in art courses.

In two States, namely, New York and Washington, the art-craft-design courses were more numerous than the courses in freehand drawing. Certain States, for instance, California, Indiana, New York, and Utah, have large numbers of schools offering various kinds of drawing and art courses; by contrast some States report drawing and art taught in very few schools.

## MUSIC

In the seventh and eighth grades, the total registration in music courses was nearly two-thirds of the enrollment; in the last 4 years, music registrations were about one-fourth of the enrollment. At both levels vocal music was the predominating course, its ascendancy over instrumental music and other music studies being especially pronounced in the seventh and eighth grades. It is worth noting that instrumental music has very nearly the same status at the two levels, reaching about 4 percent of the pupils. Band and orchestra as special forms of instrumental music reach larger percentages in the last 4 years than in grades 7 and 8. Other subjects are included in a classification called "Music studies"; the total registration in these miscellaneous music studies is not large.

As with drawing and art, there are striking contrasts among States in the extent to which the various music courses are offered. Com-



parison of the columns in which report is made of the number of schools offering vocal and instrumental music yields interesting contrasts; in not a few States the number of schools offering instrumental music approximately equals or exceeds the number offering vocal music. The smaller classes in instrumental music leave the registrations much lower than in vocal music despite the fact that in some States not much difference appears in the number of offerings.

#### AGRICULTURE

The potential registration in agriculture is limited largely to those who have an interest in the occupation of farming. This is revealed by comparison of registrations as reported in table 3 with the number of pupils reported in federally aided courses in vocational agriculture. Since the registrations given in table 3 concern only courses in all-day schools the comparative figures for federally aided courses must obviously also be limited to registrations in such schools. In 1934 the vocational division of the Office of Education reported 164,882 pupils registered in agricultural courses in all-day schools.<sup>4</sup> The total number of registrations in agriculture reported in table 3 is 154,533. The lower figure in the present tabulation is accounted for by the fact, mentioned earlier in this bulletin, that the return upon which report is here made is for about 80 percent of the pupils enrolled in American high schools. If data were available for all high schools, the registration undoubtedly would be somewhat higher than the 164,882 pupils in federally aided classes. It is apparent, however, that the number would not be notably larger. Agriculture taught in the high schools is, in the large majority of cases, vocational agriculture.

The offerings and registrations in courses called by the name "agriculture" (which includes courses reported as general agriculture) is clearly in the ascendancy both in the last 4 years and in seventh and eighth grades. Special courses in animal husbandry, horticulture, soils and crops, and poultry, as well as agriculture studies listed in table 4, attract relatively small numbers of pupils. As is to be expected, agriculture has its largest registrations in the farm regions of the Middle West and South.

#### HOME ECONOMICS

More than three-fourths of a million registrations in various home economics courses of the last 4 high-school years are reported in table 3. By contrast the all-day school registration in home economics courses for which reimbursement was made from Federal funds was 142,476 in 1934. It will be seen at once that this is less than one-fifth of the total registration in home economics courses that year in the

<sup>4</sup> See an Office of Education publication entitled *Digest of Annual Reports of State Boards for Vocational Education* for the fiscal year ending June 30, 1934.



schools reported in table 3. The fraction would be still smaller if all of the high schools had sent in reports. Vocational home economics accounts for less than 18.5 percent of the total registration in home economics.

Within the home economics field almost half of the registrations are in courses called home economics, general home economics, or homemaking. Most of the remaining registrations are in sewing, cooking, clothing, and foods. Judging by the names and prevalence of courses, instruction in how to prepare food and how to sew is apparently dominant in home economics work, despite the efforts of many leaders in the field to supplement the emphasis on cooking and sewing with other elements in successful home life. Undoubtedly many of the courses in cooking, sewing, foods, and clothing, as well as courses called home economics, have additional elements of homemaking incorporated in them; but the name of the course very likely indicates where the emphasis lies. A number of home economics courses of more specialized nature are listed in tables 3 and 4, but registrations in them are relatively small.

The comment which has been made in the preceding paragraph applies with special force to offerings and registrations in the seventh and eighth grades. Here courses in foods, clothing, cooking, and sewing account for considerably over half of the total registration; and if courses in general home economics are added, practically the entire registration is included. Home economics each year reaches more than a third of the pupils in grades 7 and 8 and more than a sixth of the pupils in the last 4 years of high school. In view of the fact that in practice home economics is rarely taken by boys, these registrations indicate an extensive interest in the subject.

#### COMMERCIAL SUBJECTS

*General position in the curriculum.*—By contrast, commercial subjects are not given much place in grades 7 and 8. Elementary business training and, to a lesser extent, typewriting are the only subjects having more than 2,000 registrants. The entire registrations in commercial work are less than 10 percent of the enrollment.

In the last 4 years of high school commercial subject registrations are extensive. Commercial work here takes a position among the important fields, considerably under English and social science to be sure, but about on a par with science, and somewhat higher than the other subject fields. Emphasis within commercial work will be indicated in the sections which follow.

*Secretarial studies.*—One-sixth of the pupils enrolled during any one year are taking typewriting. In some States more than one-fourth of the pupils take typewriting. Generally courses are a full year in length and frequently a sequence extending over more than 1 year is offered.



The registration in shorthand is not much over half so large as the registration in typewriting. However, since shorthand is almost invariably offered as a 2-year sequence it seems safe to conclude that fewer than half of the students of typewriting are also taking shorthand. This ratio offers some suggestion as to the number who are taking typewriting for a specific vocational purpose; apparently many pupils take typewriting with no intention of using it vocationally. The registrations in shorthand are as a rule low in the South and in States without large cities.

Other secretarial studies have relatively low registrations. More than 72,000 pupils were, however, pursuing office practice as a study in 1934.

*Bookkeeping studies.*—Bookkeeping leads markedly in the accounting group. Since 1922 it has been losing in relative position, but in 1934 it still was second to typewriting in the number taking it. Its registrations are heaviest in the industrial sections of the Nation.

Machine operating, accounting, and banking are the principal other studies in this group. Their combined registration is only about 12,000; they are entirely omitted from the offerings in some States.

*Other commercial studies.*—Elementary business training is fourth in registrations among commercial subjects offered in the last 4 years of high school. It has gained very rapidly since 1928 when data regarding it were first reported; its gain in the last 4 years of high school is all the more impressive in view of the additional fact that it is the only commercial subject having a considerable number of registrants in grades 7 and 8.

Commercial arithmetic, commercial geography, and commercial law are the next three subjects in order according to the number of their registrations. Commercial arithmetic is most frequently a full-year subject, but the other two, especially commercial law, are more generally pursued for only one semester. All three are eccentric in their registrations as may be judged by observing the wide fluctuations from State to State shown in table 2.

None of the other commercial subjects attracts as many as 1 percent of the pupils enrolled. It may be of interest to note the low stature of business English and salesmanship and advertising; the intention at first was to keep salesmanship and advertising separate in these tabulations, but not a few schools gave them as one course and the relatively small number of courses and registrations found in the schools reporting indicated the advisability of combining them.

#### INDUSTRIAL AND SHOP SUBJECTS

*A large and diverse group.*—Industrial and shop subjects, like home economics, have as a group relatively large registrations in the seventh and eighth grades, almost half of the total enrollment in these grades.



Percentagewise this is a much higher registration than is found in the last 4 years of high school where only about one-fifth of the pupils were in 1934 taking shop courses of various kinds. However, the greatest diversity in courses, and especially in registration for various courses, occurs in the last 4 years of high school as may readily be ascertained by reference to table 4.

The same type of comparison between Federally aided courses and those not so supported may be instituted here as has already been done with agriculture and home economics. Leaving out of consideration all evening and part-time registrations (which are considerable in Federally aided work) one finds that the registrations in all-day trades and industry courses supported in part from Federal funds were 123,485 in 1934. That same year the registrations in all kinds of shop courses, exclusive of mechanical drawing, reported by the 17,632 schools included in this study were well over 650,000. Evidently the situation is much like that already commented on in connection with home economics: Four pupils in every five are taking shop courses in which training for a specific occupation is not the primary motive.

*Industrial arts and mechanical drawing.*—In the seventh and eighth grades courses known as industrial arts (or manual training) lead in registrations with mechanical drawing in second place. These subjects account for more than two-thirds of the total registration in shop subjects. In the last 4 years of high school registrations in mechanical drawing were slightly higher than in industrial arts; the two subjects are well in advance of all others and together comprise three-fifths of the registration in shop subjects at this level. The large registrations are in part owing to the fact that sequences of 2, 3, and 4 years often are found in these subjects. Less than one-fourth of the schools are offering mechanical drawing and a few more than one-fourth are offering industrial arts.

*Woodwork and metal work.*—Third in registrations, but much lower at both levels than industrial arts and mechanical drawing, is woodwork, a subject which in many schools is very similar to what other schools report as industrial arts; however, included in woodwork is cabinetmaking which more frequently has elements of training for a specific occupation. Metal work is more likely to be specifically vocational than is woodwork; registrations in metal arts are considerably lower than in woodwork.

*General shop.*—General shop follows woodwork in number of registrants; only about one-fifth as many pupils are taking it as are pursuing industrial arts. Generally it is offered as a full-year subject. Its frequency as an offering appears to be dependent in large measure on the recommendations of State agencies; at any rate wide varia-



tions exist among States in the number of courses and registrations in general shop.

*Other shop subjects.*—A quartette of subjects comes next, namely, printing, machine shop, auto mechanics, and electrical work. Their names are much more suggestive of training for specific occupations than are those which have been discussed in preceding paragraphs of this section. Their much larger registration in the last 4 years of high school when preparation for a vocation is a more imminent problem than it is in the seventh and eighth grades reinforces the belief that they are more likely to be specifically vocational in character. Still one must not conclude that all of the pupils taking these four subjects are doing so with the intention of adopting these fields as their future vocations. Undoubtedly many registrants, especially in printing, auto mechanics, and electrical work are not intending to become printers, auto mechanics, or electrical repairmen.

As is to be expected, the more specific a subject is in its vocational appeal, the fewer offerings and registrations it is likely to have. Generally fewer than 10 pupils in each 1,000 are registered in specific trade and industry subjects. If one follows these subjects through tables 3 and 4 one will find that the percentages of pupils taking them dwindle away to small fractions of 1 percent of the total enrollment, even when, as in listings such as clay modeling, ceramics, and pottery, or refrigeration, air conditioning, heating, and ventilation, combination for purposes of tabulation is made of a number of related subjects. The number of vocational subjects is large and growing; the number of schools offering each is relatively small; the registrations in all-day courses may be fairly large in individual schools but are small for the Nation as a whole.

#### AN OVERVIEW

*Emphasis on the various curriculum fields.*—At the conclusion of this discussion, it seems appropriate to append certain observations not so much in repetition or summary of what has already been said as in comment on some of the more important emphases and trends present in the curriculums of American high schools. In doing so the writer is well aware that the name of a subject is no infallible guide concerning its content; certainly no detailed description of content is inherent in the name. In the belief that the broader elements of content are suggested by the names of curriculum subjects and fields, the following comments are ventured.

More time and effort is given to English than to any other subject field. Social science is second in curriculum emphasis, but is a considerable distance behind English. So far as the upper 4 years of high school are concerned, another fairly large gap exists until commercial work and science are found very close together in third and fourth places. Physical education also is in close proximity, especially



if it is allowed to borrow hygiene and sanitation from the science group of studies. Sixth place belongs to mathematics, seventh to foreign languages as a group, and eighth to music. Mechanical drawing holds the balance of power for the next three positions; if it is given to drawing and art, that field is in ninth position; if it is given to industrial and shop subjects, they take ninth place; and if it is assigned to neither of these fields, home economics steps into ninth place. Of the subject fields here treated, agriculture is in last position.

*General courses.*—Data which have been presented indicate that considerable development has taken place within the last two decades in fusion courses. Sometimes these courses largely displace the subjects which have contributed most heavily to them, as, for instance, in the case of general science or biology; at other times fusion courses exist primarily because of their exploratory value, as in the case of general language.

Two courses of this type which increased their registrations markedly between 1928 and 1934 are elementary business training and problems of American democracy. General mathematics, on the other hand, showed a loss during the period so far as the last 4 years of high school are concerned; no comparable figure for seventh and eighth grades in 1928 is available. General language has only a small registration, while general shop is taken by considerable numbers of pupils. The large registrations in general courses are in general science, biology, social science, general mathematics (both of these in seventh and eighth grades), elementary business training, and problems of democracy. The general courses have made greatest headway in grades 7 and 8 and except for general science, biology, problems of democracy, and elementary business training, are not strongly represented in the last 4 years of high school. Fusions which cross the lines between subject fields, as, for instance, science and mathematics, are numerically unimportant although educationally significant.

*Subjects with small registrations.*—So much has, throughout these pages, been made of subjects with large registrations that it may not be amiss to make a general observation about the potential importance of subjects with low registrations. Many of the subjects which are now important have had their introduction and rise in American high schools within the period of these studies, namely, since 1890. A number of subjects in the fields of science, social science, physical education, and general vocational work may be cited in support of this statement. Some of the subjects listed in the tables and some which are not even listed, such as safety education and consumer education, may in the future come to be more important than some of those now prominently listed. Not only status but the trend is significant.



*Practical arts.*—The tendency toward inclusion of more and more subjects which involve exercises, manipulation, and manual dexterity is noticeable. The increases in shop work, home economics, science, and physical education suggest that what in elementary education has been emphasized as interest and activity has by no means left the secondary curriculum untouched. With ever larger numbers of pupils coming into the high schools, many of whom show no special aptitude for learning from the printed page, administrators and teachers have found it necessary to devise methods by which such pupils may have their time in school employed to advantage. One of those methods is through the introduction of more learning by doing than was formerly thought necessary. This movement has nothing to do with the charge sometimes made that incompetent or failing pupils are assigned to vocational and practical-arts subjects. It has a great deal to do with the idea that all pupils learn best by doing and that nonacademically minded pupils must have opportunity to pursue work which interests them and from which they can profit.

*Subjects taken by the typical pupil.*—Anyone who attempts to conclude from this study, involving registrations of almost five and a half million pupils, what high-school subjects a typical pupil takes is manifestly attempting to generalize about a situation which is characterized as much by variety as by uniformity. Obviously any one pupil can take only a small number of the 206 subjects listed in the present study. Nevertheless enough central tendency may be found in registrations to warrant some further comment.

The programs of high-school pupils in seventh and eighth grades are more nearly of a type than those of pupils in the last 4 years of high school. Every pupil takes English and social science during both years; he may even take a second subject in social science at least during one of the years. He takes 1 year of mathematics and chances are about even that he takes a second year. The same is true of physical education. He takes science for 1 year, music for 1 year, and may take drawing for 1 year. A girl takes at least 1 year of home economics and a boy 1 year of shop work. Such time as is left (which is not very much) is given to commercial work, foreign language, and agriculture.

As he progresses through the last 4 years of high school our typical pupil takes 3 years of English and is likely to take a fourth year. He takes  $2\frac{1}{2}$  or 3 years of social science in which is included American history, some study of foreign history, and a course of some kind in the problems of government, sociology, and economics. He takes 2 years of science, 2 years of commercial work, and in all probability takes 2 years of mathematics, although he may not pursue mathematics study beyond 1 year. The girl who holds to the typical



pattern takes a year of home economics; she may in addition take a year of some sort of industrial training; certainly her brother is likely to register for a year of shop or industrial work. Physical education is taken for 2 years and music for 1 year, sometimes with credit toward graduation and sometimes without it. If a foreign language is elected at all, it is pursued for 2 years. Drawing and art are more likely to be omitted from the program than is foreign language, and agriculture more often than either of these. Such additional time as is available for school subjects may be distributed to one or more of the subject fields already mentioned.

The present study does not permit one to draw conclusions regarding the extent to which pupils are required to take work in these various subjects and subject fields. What a pupil takes is determined by his free elections as well as by the school's requirements. Pupils who are interested in certain subject fields pursue them through more successive years than have here been indicated, usually, of course, with corresponding subtractions from other subject fields. Only insofar as central tendencies in the aggregate reflect practices of the individuals who make up that aggregate are the conclusions of preceding paragraphs justified.



TABLE 1.—STUDENTS IN CERTAIN STUDIES IN PUBLIC HIGH SCHOOLS SINCE 1890

Subject	1890		1895		1900		1905		1910		1915		1920		1925		1930	
	Students	Per- cent of total	Students	Per- cent of total	Students	Per- cent of total	Students	Per- cent of total	Students	Per- cent of total	Students	Per- cent of total	Students	Per- cent of total	Students	Per- cent of total	Students	Per- cent of total
1	3	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Total number of students in schools reporting statistics	202,943		329,699		519,351		673,762		778,143		1,165,498		2,155,699		2,896,639		4,496,514	
English literature	70,411	34.69	112,203	33.75	199,803	38.46	329,860	48.96	422,051	54.10	680,671	58.42	1,066,928	78.59	2,006,633	93.09	4,071,094	90.54
Latin	11,858	5.84	18,960	5.75	26,707	5.14	34,128	5.05	42,993	5.52	60,613	5.20	82,162	3.73	108,662	3.73	148,710	3.30
French	21,328	10.51	30,801	9.34	40,886	7.87	52,130	7.72	78,161	10.03	102,516	8.80	132,162	6.10	182,200	6.29	240,773	5.35
German	92,180	45.40	136,056	41.27	202,287	38.95	290,583	43.12	428,207	54.90	609,215	52.28	865,615	39.48	1,020,223	35.22	1,367,219	30.41
Spanish	45,294	22.33	65,762	19.92	102,285	19.69	151,366	22.46	228,170	29.19	350,293	30.08	488,815	22.56	678,673	23.42	967,171	21.50
Algebra	8,988	4.43	13,470	4.08	20,915	4.03	30,377	4.50	43,812	5.63	62,229	5.34	86,915	3.97	121,660	4.19	170,884	3.80
Geometry	16,770	8.27	24,770	7.51	37,436	7.21	52,430	7.77	73,915	9.50	105,854	9.09	145,415	6.73	200,402	7.09	281,928	6.27
Trigonometry	20,803	10.20	30,020	9.10	40,084	7.72	54,989	8.16	76,069	9.77	106,051	9.10	145,948	6.73	200,402	7.09	281,928	6.27
Physics	52,043	25.63	75,488	22.87	121,235	23.33	166,376	24.56	234,260	29.98	340,029	29.19	468,241	21.61	648,361	22.38	888,580	19.76
Chemistry	17,488	8.62	25,488	7.72	37,436	7.21	52,430	7.77	73,915	9.50	105,854	9.09	145,415	6.73	200,402	7.09	281,928	6.27
Biology	104,823	51.65	154,823	46.95	232,401	44.74	329,860	48.96	468,241	59.90	680,671	58.42	966,928	44.41	1,367,219	47.53	2,817,094	62.67
Psychology	17,488	8.62	25,488	7.72	37,436	7.21	52,430	7.77	73,915	9.50	105,854	9.09	145,415	6.73	200,402	7.09	281,928	6.27
Hygiene and sanitation	104,823	51.65	154,823	46.95	232,401	44.74	329,860	48.96	468,241	59.90	680,671	58.42	966,928	44.41	1,367,219	47.53	2,817,094	62.67
General science	55,427	27.31	80,201	24.28	128,128	24.66	177,864	26.39	250,794	32.23	369,067	31.63	511,362	23.52	701,794	24.23	966,928	21.50
English history																		
American history																		
Medieval and modern history																		
World history																		
Civil government																		
Community government																		
Sociology																		



Economics.....	103,640	14.80	147,036	4.08	221,874	4.98
Problems of democracy.....	110,243	8.11	20,200	1.04	134,443	2.46
Agriculture.....	307,543	14.37	477,443	2.09	784,986	2.85
Science economics.....	245,083	11.26	294,264	13.28	539,347	16.72
Industrial subjects.....	270,517	12.56	300,126	10.37	570,643	14.01
Bookkeeping.....	191,031	8.90	231,031	3.09	422,062	9.85
Shorthand.....	221,024	12.08	429,279	12.17	650,303	9.94
Typewriting.....	31,083	1.47	301,287	6.99	332,370	18.09
Commercial arithmetic.....	19,611	1.01	76,434	2.04	96,045	4.91
Commercial law.....	24,616	1.70	140,246	3.94	164,862	2.31
Commercial geography.....	8,207	0.38	6,221	0.15	14,428	2.97
Commercial history.....	28,037	1.79	21,647	0.78	49,684	1.19
Penmanship.....	7,721	0.36	46,946	1.21	54,667	1.60
Office practice.....						
Elementary business training.....						
Drawing and art.....	317,035	14.76	550,379	15.03	867,414	12.32
Music.....	544,764	23.37	754,245	20.04	1,298,999	28.54
Physical education.....	131,568	8.73	453,260	12.08	584,828	10.00

<sup>1</sup> Beginning with 1910 the percentage of students in each study is based upon the number of students in the schools reporting studies. In previous years the percentages were based upon the total number of students in the schools.



TABLE 2.—PERCENTAGES BY STATES OF SECONDARY STUDENTS PURSUING CERTAIN STUDIES IN LAST 4 YEARS OF 17,632 PUBLIC HIGH SCHOOLS DURING 1933-34

State or outlying part	English	Latin	French	Spanish	Algebra	Geometry	Physics	Chemistry	General sciences	Physical geography	Biology	Physiology	Hygiene and sanitation	Physical education	Music	Agriculture	Home economics
<b>Continental United States</b>	94.5	16.9	10.9	6.2	20.4	17.1	6.3	7.6	17.8	1.6	14.6	1.8	6.5	22.7	25.5	3.6	16.7
Alabama	92.2	10.5	9.3	4.4	40.6	22.8	8.2	11.9	12.0	5	19.9	1.8	6.1	21.7	9.6	2.7	22.1
Arizona	94.6	2.1	1.5	23.0	22.7	17.2	4.7	8.0	9.6	3	16.2	1.7	2	64.5	29.8	2.6	12.9
Arkansas	92.2	14.9	4.5	2.8	41.7	21.4	2.4	4.0	20.1	2.0	16.2	2.0	2.7	10.6	11.5	7.1	12.8
California	78.7	8.6	7.8	23.6	18.8	12.7	2.9	7.8	8.6	3	12.8	2.4	6.9	89.7	20.2	2.7	22.0
Colorado	72.7	15.8	2.0	22.7	28.9	17.4	2.8	11.6	12.4	9	14.3	2.6	1.5	48.7	31.2	2.9	16.1
Connecticut	98.4	17.5	22.9	2.6	22.9	11.6	6.8	6.6	19.2	3	17.8	6	4.6	68.0	20.4	4	18.2
Delaware	90.8	24.2	18.6	1.4	28.0	18.3	7.6	6.6	17.7	3	22.2	1.3	10.4	54.3	24.2	2.2	20.1
District of Columbia	97.8	16.7	20.0	12.2	22.2	17.2	2.8	8.2	6.2	.....	12.2	.....	2.9	62.6	24.2	.....	11.9
Florida	97.6	20.5	6.5	19.2	48.9	17.5	2.8	2.9	25.5	3	18.1	6	8.6	28.6	12.1	1.6	16.7
Georgia	95.6	20.1	20.9	1.5	54.1	20.9	4.6	8.7	25.4	3	20.6	1.4	1.4	27.8	18.0	2.9	18.0
Idaho	92.0	11.6	2.2	6.2	28.9	22.2	7.6	10.6	12.1	1.2	19.7	7	1.3	18.2	24.9	6.0	17.1
Illinois	92.8	17.8	8.8	7.8	28.8	20.6	7.7	6.6	20.9	2.9	7.9	4.9	2.2	64.1	24.0	2.0	6.0
Indiana	90.2	22.2	6.7	2.1	28.2	18.5	6.9	2.0	2.8	1.8	12.8	1.7	2.4	50.1	31.2	2.0	18.9
Iowa	90.1	11.9	2.7	1.1	22.1	22.6	12.6	2.8	20.4	1.2	16.0	1.7	2.4	67.1	28.1	9.9	12.1
Kansas	90.4	12.3	1.8	4.8	28.0	18.7	7.1	4.4	12.9	2.0	12.8	6.0	1.7	28.0	28.2	7.4	22.6
Kentucky	94.8	12.4	9.7	2.7	42.9	20.9	4.6	4.9	24.7	4.1	14.7	4.1	2.6	28.4	21.6	7.2	12.2
Louisiana	94.6	9.3	11.1	12.1	24.6	17.7	2.1	10.8	22.7	1.2	17.1	1.1	1.3	28.8	4.2	2.9	22.2
Maine	97.6	19.9	20.8	1.8	28.6	12.2	2.1	12.0	17.8	2.7	12.1	7	2.1	23.5	20.0	2.0	10.8
Maryland	96.6	21.6	20.4	1.8	40.6	19.6	10.4	11.4	22.6	1.7	20.6	.....	1.4	49.0	56.5	2.6	22.6
Massachusetts	97.4	22.0	21.7	2.8	24.8	14.0	7.8	10.5	23.7	1.7	11.7	2.6	7.7	57.2	22.6	7.7	16.7
Michigan	92.8	17.7	7.7	1.6	28.6	16.9	6.0	11.2	11.5	1.3	14.6	1.1	2.4	48.0	28.7	2.9	19.2
Minnesota	92.9	11.0	4.8	1.2	21.9	18.9	7.6	12.0	19.7	1.5	18.6	4	4	42.7	24.5	2.7	12.4
Mississippi	92.2	14.2	4.4	2.7	47.4	22.8	2.3	6.8	22.7	1.2	13.9	1.6	6.9	12.2	12.5	2.7	12.4
Missouri	92.2	10.9	4.2	4.8	22.2	12.8	4.7	4.4	15.5	2.1	14.5	2.8	11.3	62.7	23.9	8.9	12.3
Montana	90.3	15.2	2.9	2.8	28.1	21.8	7.4	8.1	12.9	2.4	14.9	2.3	11.5	19.9	22.1	4.0	9.4



OFFERINGS AND REGISTRATIONS—HIGH-SCHOOL SUBJECTS 31

Nebraska.....	84.4	21.6	2.7	2.3	34.1	21.4	17.4	1.5	12.5	2.4	21.9	23.3	7.5	13.9
Nevada.....	83.5	21.1	4.2	2.6	24.9	19.2	22.0	1.3	11.7	2.4	21.9	23.3	7.5	13.9
New Hampshire.....	92.7	14.2	22.3	8.3	22.5	14.6	2.6	1.4	8.5	2.5	72.7	15.4	1.2	13.1
New Jersey.....	94.8	15.8	19.3	4.0	27.3	13.5	21.6	1.3	14.5	2.5	20.6	21.8	1.7	17.0
New Mexico.....	84.8	21.7	19.7	4.0	20.4	21.8	17.3	1.3	12.6	2.5	20.6	21.8	4.0	8.9
New York.....	84.2	12.8	11.9	1.3	17.5	9.5	9.9	1.2	6.4	1.0	27.4	8.6	7.7	8.5
North Carolina.....	94.6	14.7	25.1	1.1	22.9	14.6	24.3	6.1	21.3	2.2	10.6	8.2	2.6	14.5
North Dakota.....	93.8	10.2	2.3	1.3	27.2	12.1	21.3	6.9	21.1	4.9	72.7	22.0	31.2	7.4
Ohio.....	93.9	15.5	9.3	3.1	27.4	15.1	21.1	2.8	15.8	1.7	22.1	21.3	2.6	17.1
Oklahoma.....	93.1	8.5	2.1	8.3	26.1	22.7	20.7	9.3	15.0	1.7	22.1	21.3	7.0	15.5
Oregon.....	90.9	11.0	4.3	7.1	28.0	14.7	19.4	4.4	17.0	2.9	20.8	12.0	2.5	20.0
Pennsylvania.....	94.0	25.6	16.4	4.0	26.0	20.2	26.6	5.8	15.0	2.5	24.8	42.3	1.7	17.8
Rhode Island.....	93.5	20.8	22.9	2.9	26.1	14.2	28.3	1.1	10.9	2.8	54.1	37.0	1.3	23.6
South Carolina.....	93.9	17.2	21.0	1.0	24.8	19.3	22.7	4.1	17.2	2.4	14.7	6.0	7.8	12.1
South Dakota.....	97.3	15.3	2.6	1.0	25.4	21.7	23.2	2.2	14.0	2.8	22.1	32.9	2.9	11.5
Tennessee.....	94.0	12.7	12.8	2.8	23.6	21.8	18.7	2.9	12.3	1.1	20.4	12.4	2.2	22.1
Texas.....	94.2	9.9	1.4	27.8	40.5	22.9	15.9	2.1	10.7	2.3	28.2	12.3	4.5	15.3
Utah.....	93.3	3.3	4.0	4.7	23.0	20.0	10.1	1.1	17.4	7.5	58.0	43.0	7.2	23.5
Vermont.....	93.3	23.8	20.9	4.9	22.9	17.8	13.2	1.7	15.0	1.8	27.7	28.2	2.2	15.0
Virginia.....	93.8	19.4	11.3	5.1	45.7	15.4	21.2	2.4	19.7	1.1	48.3	10.9	2.7	12.0
Washington.....	95.8	11.1	9.9	7.7	27.4	15.9	18.8	7.7	12.4	1.1	42.2	24.4	2.9	22.6
West Virginia.....	97.3	12.5	9.4	1.7	23.8	14.6	21.9	2.4	23.4	1.3	53.8	24.6	2.6	17.9
Wisconsin.....	95.0	11.5	4.1	1.4	23.3	20.6	21.9	2.5	23.4	1.7	57.5	25.6	2.6	23.2
Wyoming.....	85.0	17.2	2.7	17.3	28.1	21.0	15.3	3.3	11.5	1.5	34.5	35.2	6.1	15.0
Outlying parts of the United States.....														
Alaska.....	91.4	15.2	9.8	12.1	26.3	23.3	15.1	6.0	20.5		11.5	23.3		16.2
Canal Zone.....	85.7	11.0	8.4	43.5	37.9	24.6	8.4		11.6		31.4	23.8		15.7
Guam.....	85.5				29.2	10.1			22.9					
Hawaii.....	93.8	4.4	5.9	2.8	12.2	6.7	18.0		29.5		59.7	31.6	7.2	22.6
Philippine Islands.....	93.2	1.1	1.0	1.3	40.0	20.2	22.4		17.7	1.1	49.9	1.4	9.2	6.6
Puerto Rico.....	90.9	1.9	7.2	90.0	37.4	23.2	24.9		14.9		8.5	8.8	4.4	22.5
Virgin Islands.....	90.2			25.6	32.0	9.6	32.0		24.8		11.2	11.2		73.6

1 Less than 0.1 percent.



OFFERINGS AND REGISTRATIONS—HIGH-SCHOOL SUBJECTS

TABLE 2.—PERCENTAGES BY STATES OF SECONDARY STUDENTS PURSUING CERTAIN STUDIES IN LAST 4 YEARS OF 17,632 PUBLIC HIGH SCHOOLS DURING 1933-34—Continued

	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
World history	11.9	6.5	6.2	17.3	3.5	10.4	6.0	2.5	4.2	9.9	9.0	16.7	6.1	4.9	3.2	4.0	14.9	15.3
Ancient history	18.7	5.5	4.9	20.0	9.8	24.2	2.0	1.6	1.6	6.6	5.2	6.3	3.0	7.8	7.3	8.9	9.0	4.6
Medieval and modern history	7.9	2.2	1.9	20.2	2.6	3.7	11.0	1.8	10.7	6.2	7.2	23.7	4.9	4.6	2.6	2.4	13.1	8.0
American history	19.5	2.2	2.4	19.2	9.0	22.3	4.8	3.5	5.2	3.2	3.3	7.5	2.3	3.3	4.1	2.4	13.1	8.0
Problems of American democracy	10.4	1.7	3.5	17.0	1.0	3.2	5.5	1.7	3.0	3.1	6.5	23.1	6.0	2.2	1.3	1.3	24.4	23.9
Civil government	21.5	3.4	3.5	19.2	1.9	10.3	4.7	4.0	3.1	7.3	9.0	22.1	6.0	4.9	3.0	2.6	17.1	10.5
Community government	8.1	3.0	7.9	17.0	5.2	11.9	1.9	4	5.1	13.2	12.0	26.2	11.4	6.1	3.9	4.9	11.5	17.7
Sociology	7.9	4.1	4.1	24.8	5.9	7.8	1.5	1.8	2.0	8.1	7.7	9.0	3.1	0.9	1.4	7.7	20.1	24.2
Economics	1.8	9.0	10.8	22.3	3.3	9.3	1.7	2.6	2.9	17.9	15.2	25.0	1.5	13.9	5.3	6.3	15.1	37.2
Bookkeeping	9.5	13.3	10.5	16.1	2.0	21.4	5.2	1.6	4.1	4.8	8.8	10.7	2.6	6.7	3.3	2.1	9.0	8.6
Short-hand writing	23.9	6.7	3.1	20.3	3.0	6.9	3.9	9.5	10.6	6.7	7.0	31.0	4.8	3.0	3.1	1.6	4.0	4.0
Type-writing	6.3	7.2	9.8	16.9	1.7	8.0	6.7	1.2	5.8	9.8	13.2	18.4	4.8	2.9	3.4	7.8	5.5	3.4
Elementary business training	17.0	3.0	3.0	22.8	3.1	9.6	9.9	7.7	8.0	7.2	7.8	13.2	6.3	5.0	2.2	2.2	15.3	21.5
Commercial arithmetic	10.1	4.4	3.6	16.9	3.5	9.6	13.2	5.5	3.9	9.5	7.2	20.7	3.1	3.3	7.5	4.5	13.9	12.0
Commercial law	13.1	9.6	8.4	15.9	7.7	11.4	6.0	4.0	5.2	5.3	5.4	8.4	1.9	1.7	2.8	3.0	7.5	7.4
Commercial geography	12.1	2.8	7.6	16.4	7.3	7.7	5.8	6.0	1.3	7.4	4.6	6.8	3.3	3.3	1.1	7.0	7.5	6.9
Industrial subjects	7.3	13.1	8.0	19.3	3.6	12.5	4.7	6	4.9	10.6	11.6	16.4	7.9	11.2	3.9	5.2	8.1	3.4
Drawing and art	13.0	8.4	6.7	16.9	2.7	12.5	3.0	3	1.3	10.9	9.1	16.7	2.9	6.0	3.8	3.4	30.8	8.0
	5.5	8.7	5.7	20.3	2.7	12.5	4.0	2	4.2	18.7	12.6	22.1	7.8	7.0	4.7	3.8	13.0	30.2
	19.1	3.4	3.2	19.2	1.6	9.2	7.7	1.5	7.8	12.4	12.2	22.6	5.8	5.7	4.1	2.6	17.2	16.2
	14.0	3.3	3.5	20.9	4.9	8.3	2.6	4.5	4.8	7.8	10.0	12.1	14.1	2.2	2.3	6.1	17.2	16.2
	51.4	1.7	2.0	21.9	5.1	20.0	7.5	3.9	10.7	5.9	4.7	9.1	7.0	2.2	1.2	1.4	14.8	11.0
	18.8	1.7	2.0	21.9	7.4	17.1	6.3	2.2	2.6	3.5	8.5	16.6	1.3	2.8	3.0	2.3	9.9	1.5
	18.1	3.3	3.3	20.0	4.0	7.0	6.3	7.6	7.7	9.5	8.6	20.2	5.6	3.1	3.0	3.1	9.9	10.8



Nebraska.....	19.6	2.0	1.1	19.4	4.6	9.3	9.1	6.5	6.3	9.9	7.8	22.0	4.1	2.9	3.5	3.1	11.4	6.0
Nevada.....	12.7	7.3	1.9	19.6	9.1	8.7	11.8	8.7	8.0	7.3	8.3	16.8	4.0	4.3	1.2	7.6	4.9	12.7
New Hampshire.....	16.3	7.9	4.5	16.9	9.1	8.7	11.8	8.6	11.4	13.8	11.7	18.5	6.9	3.9	1.2	7.6	14.3	12.1
New Jersey.....	11.1	8.1	6.1	14.7	9.1	7.1	1.3	8.3	5.5	15.5	15.2	21.3	1.4	6.8	5.1	5.6	16.6	21.1
New Mexico.....	10.6	9.9	9.1	17.7	9.7	10.9	7.4	4.6	7.0	5.7	6.9	17.8	1.0	2.2	1.7	1.3	6.9	3.3
New York.....	1.8	9.6	3.6	47	1.0	8.6	2.8	3	1.5	5.9	5.2	8.5	5.3	6.3	2.3	3.9	6.1	11.4
North Carolina.....	10.6	9.2	3.3	19.4	15.4	24.6	2.8	4.4	1.8	1.9	2.3	4.6	9.9	1.3	2.2	1.5	1.8	1.3
North Dakota.....	18.1	6.7	7.7	21.9	15.4	16.0	5.8	3.6	5.4	8.3	3.6	13.5	12.9	5.0	8.3	7.9	2.7	2.9
Ohio.....	16.0	6.5	6.5	16.5	4.1	7.0	7.7	4.8	5.7	10.3	10.9	16.5	4.2	7.7	3.8	2.9	17.9	15.0
Oklahoma.....	6.7	6.3	12.3	23.1	8.3	18.8	2.0	2.7	2.7	4.9	4.7	13.2	5.5	2.5	3.7	6.1	11.3	6.1
Oregon.....	10.5	3.0	3.9	23.3	7	5.7	11.9	6.5	5.3	11.3	9.0	24.5	5.2	3.9	2.7	3.9	18.3	13.2
Pennsylvania.....	16.5	7.3	3.7	16.1	9.4	10.3	7.8	8.8	3.2	17.2	12.6	19.5	11.6	8.5	2.5	4.4	22.6	31.9
Rhode Island.....	6.7	12.0	6.1	18.7	3	3.3	12.0	1.2	3.0	17.0	8.1	37.1	11.6	5.8	2.5	3.2	24.6	23.7
South Carolina.....	7.7	14.4	8.4	17.0	3	14.2	4.7	1.1	4.6	5.3	5.2	6.3	7.7	1.5	1.3	5.5	4.0	1.8
South Dakota.....	14.8	7.0	6.0	23.9	2.8	10.4	11.3	10.9	13.0	10.3	7.1	17.8	5.9	8.1	7.0	4.1	6.7	6.4
Tennessee.....	1.7	13.2	11.8	16.0	6.9	5.9	3.0	3	7.1	4.6	4.0	8.5	1	1.8	2.1	2.2	7.1	4.9
Texas.....	8.3	18.5	14.6	20.7	2.1	6.5	9.4	6	5.6	5.5	2.6	12.1	1.8	4.2	2.9	2.0	7.0	8.8
Utah.....	19.3	4	4	21.0	2.1	16.2	4.3	10.2	19.4	6.7	7.9	25.0	3.3	1.5	2.5	2.6	22.9	17.0
Vermont.....	4.5	15.4	11.5	14.8	4.5	18.7	4.7	8	4.9	12.2	13.7	19.4	5.1	8.1	4.8	3.7	8.7	6.7
Virginia.....	17.5	11.0	9.6	19.2	3.1	8.6	12.0	1.0	2.0	5.0	5.4	9.4	2.1	4.5	8	9.9	6.0	5.3
Washington.....	16.6	2.2	2.0	22.9	6	12.4	9.7	5.2	6.3	10.2	9.9	22.9	8.5	5.5	4.9	4.7	22.5	17.0
West Virginia.....	16.9	5.5	3.2	22.0	6.1	21.9	4.0	9.7	9.2	7.0	7.0	17.0	2.5	5.9	2.1	2.8	9.7	7.0
Wisconsin.....	8.8	5.8	11.0	21.6	2.1	17.6	4.6	5.5	6.4	10.1	12.2	20.5	10.0	3.5	2.7	2.0	14.8	13.2
Wyoming.....	17.6	3.2	2.1	17.7	1.1	15.9	6.6	7.3	5.4	8.8	9.4	21.8	4.0	1.5	2.2	1.6	12.9	5.6
Outlying parts of the United States.....																		
Alaska.....	15.2	2.1	3.1	17.0	11.4	10.3	1.9	4.3	3.7	7.6	10.3	20.9	3.1	8.0	1.1	8.7	13.2	19.7
Central Zone.....	23.5			24.6	9.5				8.4	10.0	12.8	14.7			4.3		13.1	21.9
Guam.....	22.9			9.5														
Hawaii.....	12.3			11.1	6.5	1.1	12.2	2.8		7.4	5.5	23.6	5.8	1.9	.2		17.3	20.2
Philippine Islands.....	8.1	15.5	14.5	27.3		3.7	8.2		20.8	5	8	8		2.0	.2	.3	13.3	13.2
Puerto Rico.....	16.3	.5	3.8	7.1	6.4	1.6	4.8	2.2		11.9	15.8	14.0		7.3	1.7		10.1	11.3
Virgin Islands.....	32.0		24.8	63.2					23.4								40.8	54.0

\* Includes shop subjects and industrial arts, exclusive of mechanical drawing. Corresponds to listing in earlier years under heading "manual training."  
 † Includes mechanical drawing.



TABLE 3.—OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS, EACH SUBJECT BEING REPORTED BY 15 OR MORE STATES, 1933-34

State or outlying part	Schools and enrollments						English										Registrations in half-year courses
	Grades 7 and 8			Last 4 years			Total			Registrations in full-year courses						Total	
	Schools reporting	Enrollment	Schools reporting	Enrollment	Schools reporting	Enrollment	Schools reporting	Enrollment	Last 4 years of high school				Undesignated				
									First	Second	Third	Fourth					
7	8	9	10	11	12	13	14	15	16								
Continental United States	4,776	969,522	17,632	4,496,514	17,768	5,487,006	475,090	495,923	1,284,790	1,009,032	864,589	595,039	202,091	5,018,204	12,263		
Alabama	249	20,265	208	44,902	274	66,317	10,705	9,060	14,204	11,952	9,749	7,002	246	64,638	1,604		
Arizona	18	1,278	55	14,223	55	15,501	7,632	2,026	2,792	2,964	2,769	1,820	233	12,276	40		
Arkansas	202	13,834	203	34,322	293	47,866	7,091	6,433	9,633	7,233	5,843	4,540	1,196	41,978	119		
California	154	79,816	456	292,026	457	342,841	40,228	20,268	70,504	64,001	44,081	16,205	8,891	391,088	1,432		
Colorado	76	14,289	211	44,346	315	58,565	7,390	6,859	12,354	8,553	6,868	4,064	5,995	40,403	80		
Connecticut	39	12,016	97	65,190	98	77,206	5,848	6,168	20,581	17,799	14,414	11,173	169	76,182	.....		
Delaware	22	3,626	26	7,657	26	11,283	1,939	1,097	2,366	2,004	1,266	1,000	200	10,564	.....		
District of Columbia	16	11,090	24	19,583	24	30,673	5,416	5,074	6,509	5,314	3,869	3,207	20	30,009	.....		
Florida	140	20,516	175	35,980	176	68,446	10,800	9,716	11,801	9,099	7,611	5,267	250	55,464	170		
Georgia	23	7,910	276	37,165	276	45,075	4,013	3,897	12,979	8,382	7,607	5,721	1,196	43,795	.....		
Idaho	16	4,371	137	23,790	128	28,070	1,901	2,370	7,491	6,075	5,104	3,468	.....	26,299	.....		
Illinois	44	13,665	879	328,090	891	339,681	6,643	6,922	90,657	78,047	69,519	40,082	13,286	295,156	.....		
Indiana	342	31,140	638	142,312	645	172,452	15,933	15,207	28,871	33,595	27,746	15,041	.....	183,246	.....		
Iowa	169	21,502	960	122,276	969	146,778	10,607	10,896	34,800	30,822	26,782	16,677	7,183	153,246	.....		
Kansas	108	19,333	555	87,063	562	105,406	9,848	9,495	28,232	20,375	17,866	8,760	4,985	131,931	2,415		
Kentucky	141	14,766	473	65,201	474	70,017	7,796	6,980	17,537	13,670	10,913	8,708	1,894	67,488	41		
Louisiana	4	517	230	44,208	230	44,726	.....	.....	14,529	11,232	9,022	7,041	.....	42,341	.....		
Maine	33	3,620	163	27,389	164	31,009	1,670	1,950	7,968	6,901	6,050	4,943	.....	30,314	.....		
Maryland	48	18,084	196	53,062	196	71,146	8,945	9,139	15,032	12,841	11,046	8,496	.....	70,942	.....		
Massachusetts	184	61,400	336	183,273	336	244,673	30,672	30,728	83,482	44,169	37,325	30,558	11,500	239,426	432		



Michigan.....	200	61,201	191,031	28,945	32,266	52,694	49,670	40,784	24,525	2,565	231,339	1,315
Minnesota.....	124	27,314	120,943	12,064	14,650	32,730	26,780	26,146	22,764	2,009	140,763	1,103
Mississippi.....	86	5,981	32,909	3,195	2,766	8,767	6,924	5,704	4,616	39	32,047	.....
Missouri.....	99	16,699	68,794	7,920	5,749	27,568	28,609	23,951	13,492	300	108,879	130
Montana.....	26	2,645	24,517	1,615	1,280	7,271	6,073	5,468	3,332	.....	24,777	.....
Nebraska.....	61	7,801	61,669	4,071	3,780	16,931	13,136	11,789	6,453	4,280	60,390	.....
Nevada.....	1	26	2,722	2,959	1,112	8,816	12,807	11,789	335	.....	2,633	.....
New Hampshire.....	44	5,618	8,688	2,890	2,748	5,319	4,592	4,009	3,262	45	2,945	.....
New Jersey.....	72	27,699	177,945	13,946	12,743	55,833	45,542	35,677	28,646	281	192,728	320
New Mexico.....	10	1,837	13,082	1,902	1,575	3,564	3,058	2,474	1,362	590	12,875	29
New York.....	256	62,554	494,390	24,261	28,303	75,916	50,901	41,268	24,914	212,827	490,380	1,466
North Carolina.....	17	3,065	85,833	3,015	3,044	28,344	21,641	17,309	12,794	1,162	84,906	.....
North Dakota.....	26	2,006	30,993	1,022	984	8,483	8,370	7,017	5,197	.....	30,973	110
Ohio.....	528	62,006	323,734	46,652	45,844	93,281	84,692	68,864	43,742	3,610	366,515	355
Oklahoma.....	98	20,473	88,008	10,452	9,991	27,368	22,273	18,453	13,473	3,168	102,218	194
Oregon.....	13	2,340	48,330	1,029	1,311	12,421	11,026	9,567	7,867	3,167	46,068	164
Pennsylvania.....	345	122,838	370,661	61,831	61,407	120,066	96,920	79,890	63,538	230	485,655	387
Rhode Island.....	22	12,860	22,834	7,053	6,537	7,636	6,180	4,576	3,614	47	35,628	.....
South Carolina.....	6	1,106	184	1,106	1,063	8,260	8,260	6,717	5,196	.....	31,902	.....
South Dakota.....	23	3,945	27,621	1,601	1,644	8,450	8,964	6,089	5,323	.....	30,028	.....
Tennessee.....	28	10,120	62,638	4,958	5,162	17,698	13,109	10,863	8,610	.....	60,400	269
Texas.....	81	27,713	161,639	12,600	15,213	47,245	42,078	35,066	27,498	22	129,712	231
Utah.....	37	7,913	30,631	3,821	4,092	7,734	8,402	7,456	4,783	87	36,375	150
Vermont.....	36	2,899	11,082	1,473	1,426	3,203	2,924	2,508	1,894	.....	13,598	.....
Virginia.....	31	9,655	68,515	3,290	3,365	22,965	16,543	14,160	10,651	.....	73,874	38
Washington.....	53	17,248	90,153	8,212	9,036	24,840	22,405	18,618	12,056	.....	94,167	335
West Virginia.....	133	18,337	62,681	9,799	8,541	15,833	14,439	11,474	9,063	.....	69,776	32
Wisconsin.....	83	20,863	180,697	9,947	10,415	38,860	34,758	31,071	21,169	41	144,256	243
Wyoming.....	24	2,271	11,803	1,199	1,072	3,096	2,797	2,363	1,511	.....	12,038	13
<i>Outlying parts of the United States</i>												
Alaska.....	2	155	907	83	72	259	244	210	116	.....	984	.....
Canal Zone.....	1	194	967	98	101	248	188	192	112	.....	934	.....
Guam.....	1	162	179	78	84	65	41	17	15	.....	315	.....
Hawaii.....	14	7,051	9,175	3,825	3,226	3,240	2,201	1,904	1,099	24	16,119	.....
Philippine Islands.....			51,185			15,127	12,234	11,044	10,833	.....	49,238	.....
Puerto Rico.....			7,760			2,663	2,111	1,286	983	.....	7,043	.....
Virgin Islands.....	1	193	318	130	63	40	31	33	20	.....	317	.....

1 Number of schools reporting English same as column 6.  
 2 126 of these high schools consisted only of grades 7 and 8 (6 and 7 in 11-grade systems).  
 3 154,202 foreign-language students reported in 42 schools not included in this table.  
 4 10 periods of English in first year and 5 periods in each of next 3 years.





TABLE 3.—OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS, EACH SUBJECT BEING REPORTED BY 15 OR MORE STATES, 1933-34—Continued

State or outlying part	Latin										French									
	Num-ber of schools report-ing	Registrations in full-year courses					Regis-trations in half-year courses	Num-ber of schools report-ing	Registrations in full-year courses					Regis-trations in half-year courses						
		Grades		Last 4 years of high school					Total	Un-designated	Total	Last 4 years of high school								
		7	8	First	Second	Third						Fourth	7		8	First	Second	Third	Fourth	
1	17	16	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
Continental United States.....	11,137	1,296	17,233	329,379	241,573	51,097	22,204	57,186	721,017	19,372	6,146	2,329	9,911	228,371	163,194	44,370	7,209	69,124	494,206	6,242
Alabama.....	85	33	338	2,040	1,541	377	169	698	5,035	145	107	297	1,061	1,158	271	111	1,097	4,605	55	
Arizona.....	19	.....	.....	2,193	1,145	44	7	59	448	.....	5	.....	.....	18	20	18	110	210	.....	
Arkansas.....	147	340	121	2,562	1,630	121	74	668	5,425	36	53	.....	932	512	22	22	96	1,562	.....	
California.....	323	68	130	11,085	7,099	1,254	359	1,087	21,052	1,683	233	413	8,887	6,373	2,129	543	1,787	19,811	1,124	
Colorado.....	143	601	4,082	2,449	2,449	1,252	110	415	7,859	1,073	19	164	6,060	3,361	91	12	113	1,401	1,108	
Connecticut.....	93	.....	.....	4,794	3,266	1,373	629	944	11,206	80	87	.....	6,000	4,060	1,979	241	1,241	14,920	.....	
Delaware.....	25	.....	.....	1,905	726	97	4	.....	1,722	119	22	.....	713	586	92	.....	.....	1,341	88	
District of Columbia.....	19	.....	.....	542	1,648	303	115	635	4,424	29	25	.....	867	1,922	273	98	873	4,795	.....	
Florida.....	112	1,181	323	3,128	2,190	322	95	449	7,536	199	37	17	970	729	35	35	241	1,992	7	
Georgia.....	218	91	.....	4,204	2,824	338	123	1,990	9,580	201	172	203	3,971	2,440	28	9	1,240	7,991	81	
Idaho.....	68	.....	.....	1,728	994	16	23	.....	2,771	.....	24	.....	494	250	50	.....	.....	794	.....	
Illinois.....	763	.....	.....	20,466	21,200	3,408	1,244	1,470	58,973	62	244	.....	14,600	9,861	2,059	499	1,088	28,907	11	
Indiana.....	592	77	406	16,951	10,296	1,654	624	1,092	31,970	145	75	51	3,995	3,344	419	108	225	8,102	95	
Iowa.....	437	.....	.....	8,804	4,053	868	204	1,065	14,832	171	60	.....	1,957	1,109	74	.....	262	3,402	.....	
Kansas.....	351	.....	69	7,371	2,928	363	157	763	11,567	63	42	.....	1,950	1,433	21	12	187	1,573	13	
Kentucky.....	260	.....	196	5,235	3,340	528	245	1,153	10,817	115	127	144	3,147	1,649	220	12	330	4,808	.....	
Louisiana.....	80	.....	.....	2,209	1,438	277	108	.....	4,120	.....	95	.....	2,842	1,642	289	76	121	4,920	.....	
Maine.....	143	.....	57	2,877	1,457	733	228	365	5,517	.....	150	240	4,234	2,314	990	135	582	8,595	.....	
Maryland.....	123	223	2,286	5,328	3,328	734	446	2,459	15,269	3,039	140	.....	5,048	4,967	784	24	71	10,844	57	
Massachusetts.....	317	724	2,722	12,943	11,114	4,945	3,628	5,833	41,912	1,854	312	1,393	2,787	17,701	9,700	1,987	9,344	61,269	1,004	



Michigan	500	82	204	16,483	12,046	1,533	671	1,468	23,287	617	188	45	94	7,903	5,353	604	190	365	14,544	226	
Minnesota	262			6,281	4,922	309	140	1,612	12,266	94	104		17	2,266	2,206	266	27	961	5,944	16	
Mississippi	180			2,068	1,200	208	106	2,948	3,830		50			2,802	1,670			29	1,192		
Missouri	176			5,083	4,690	490	220	181	10,023	126	54		96	1,933	1,070	302	45	117	4,183	116	
Montana	66			2,292	1,319	88	20	20	3,780	20	31			635		10			988		
Nebraska	368			8,067	5,089	289	80	991	14,506	28	34			947	498	109		108	1,957		
Nevada	7			120	19				139		6			114					114		
New Hampshire	82	35	204	969	765	356	213	388	2,039		93	200	414	2,133	1,864	1,083	294	608	6,967	85	
New Jersey	209			11,296	10,602	3,396	1,329	573	23,357	720	180	388	783	16,220	12,145	4,674	228	584	24,972	363	
New Mexico	17			438	248	39	39	62	777		2			64	22					86	
New York	699	53	1,519	25,486	23,217	9,004	1,862	1,446	62,887	1,142	662	281	640	28,096	20,476	9,338	419	577	57,777	835	
North Carolina	189			7,099	4,686	531	272	57	12,676		360			13,959	6,572	28	24	647	21,330		
North Dakota	127			1,979	1,036	53	30	74	3,162		29			755	261	29		23	898		
Ohio	1,029	433	2,082	28,170	23,318	4,394	2,266	3,748	64,311	1,233	576	645	843	14,208	10,918	1,610	650	2,289	20,903	618	
Oklahoma	129			3,889	2,886	241	144	297	7,457		24			872	726	1,120	68	22	1,808		
Oregon	92			3,101	1,814	208	84	5,307	5,307		49			1,268	837	306	41		2,550	28	
Pennsylvania	907			39,301	26,728	6,635	3,699	14,788	92,878	3,239	601		162	28,518	18,521	3,288	774	9,192	60,745	319	
Rhode Island	37	38	64	1,827	1,075	623	224	471	4,332	36	36	28		3,591	1,926	63		689	7,077	519	
South Carolina	86			2,326	1,748	443	180	556	5,689		150		149	4,080	2,065			544	6,818		
South Dakota	146	71	78	2,444	1,681	30	30	157	4,361		30			397	220	37	14	57	6,728		
Tennessee	200			4,166	3,316	578	406	1,088	9,700	263	177			2,515	2,231	172	166	485	6,688	80	
Texas	238			7,521	5,243	768	271	1,484	15,511	709	22			1,173	825	188	11		2,197	83	
Utah	60			1,138	104	25	25	545	1,068		87			455	364	120		267	1,313		
Vermont	73			1,197	657	317	147	24	2,616	96	68	74	123	1,796	1,084	422	79	11	3,569	35	
Virginia	284			6,484	4,767	986	451	346	13,624	281	191		109	4,684	2,627	300	70	26	7,816	51	
Washington	168			5,330	3,183	613	396	228	9,888	217	157	8	3	4,833	2,884	556	166	298	8,724	223	
West Virginia	127			3,261	2,905	347	99	462	6,764		104			2,813	1,865	105		363	4,946		
Wisconsin	291			6,870	3,716	632	324	3,656	14,968	73	83			1,769	1,229	179	97		5,300		
Wyoming	41			981	749	71	18	162	1,981		9			199	103			9	5,311		
Outlying parts of the United States																					
Alaska	9			85	53				128		4			76	13				89		
Canal Zone	2			38	37	10			85		2			32	33				65		
Hawaii	6			195	93			116	403		6			206	117			216	538		
Philippine Islands	3			27	12	6			45		1			7					7		
Puerto Rico	1			109	39				148		9			342	217				559		



TABLE 3.—OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS, EACH SUBJECT BEING REPORTED BY 15 OR MORE STATES, 1933-34—Continued

State or outlying part	Spanish										German										General foreign languages						
	Registrations in full-year courses					Registrations in half-year courses					Registrations in full-year courses					Registrations in half-year courses					Number of schools reporting		Registrations in—				
	Grades		Last 4 years of high school			Total	Grades		Last 4 years of high school			Total	Grades		Last 4 years of high school			Total	Number of schools reporting	Grades 7 and 8		Last 4 years of high school					
	7	8	First	Second	Third		Fourth	Undesignated	7	8	First		Second	Third	Fourth	Undesignated	Full-year courses			Half-year courses	Full-year courses	Half-year courses					
1	57	30	60	41	45	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61				
Continental United States.....	2,945	645	1,043	1,247	769	984	611	114,781	3,940	29,320	273,916	6,421	1,176	145	335	125	1,053	4,270	1,085	123	3,788	7,513	531	97			
Alabama.....	31	116	1,205	697	114	67	398	2,597	18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Arizona.....	51	1,740	1,139	398	82	1,317	4,700	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Arkansas.....	17	53	53	308	45	12	99	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
California.....	439	798	28,768	15,762	4,017	894	3,105	2,055	81	23	2,103	1,400	322	30	267	5,268	374	9	100	710	734	76	47				
Colorado.....	154	558	4,208	3,055	188	62	354	9,426	6	6	246	130	13	5	1	1	1	1	1	1	1	1	1	1	1	1	
Connecticut.....	11	1	1,108	472	99	1,674	1,674	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
Delaware.....	1	1	71	40	111	111	111	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
District of Columbia.....	13	387	1,348	778	54	423	2,980	181	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Florida.....	103	275	2,479	2,685	108	498	6,990	181	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Georgia.....	24	300	1,200	533	7	437	2,427	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Idaho.....	39	1,051	428	20	1,499	1,499	1,499	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Illinois.....	88	15,463	7,287	1,479	593	689	25,401	44	75	8,009	4,213	637	114	942	14,025	3	260	30	2	260	30	260	30	260	30	260	30
Indiana.....	27	1,749	1,024	210	72	299	1,338	43	31	1,204	742	70	18	137	2,180	3	29	100	73	3	29	100	73	3	29	100	73
Iowa.....	22	1,728	851	10	299	400	1,338	10	9	201	145	145	145	145	437	14	246	82	14	246	82	246	82	246	82	246	82
Kansas.....	112	2,475	912	91	400	2,803	2,803	29	29	596	332	55	11	11	864	14	246	82	14	246	82	246	82	246	82	246	82



Kentucky	15	753	371	90	204	1,550	2	76	314	15	124	3	323	290					
Kentucky	29	3,023	1,650	404	157	5,553	3	159	28	11	104	8	223	290					
Maine	4	376	104	18	8	501	2	1,012	773	158	1,943	7	663	343					
Maryland	3	147	89	149	1,204	9,493	1,004	65	1,892	389	6,110	8	663	343					
Massachusetts	66	196	4,478	855	149	9,493	1,004	65	1,892	389	6,110	7	663	343					
Michigan	20	47	1,968	968	16	3,014	61	1,501	861	60	2,722	128	11	996	284	110	50		
Minnesota	14	499	500	79	358	1,426	11	2,231	1,635	53	962	10	8	80	373	135	50		
Mississippi	20	412	234	88	88	724	11	909	824	153	2,000	2	76						
Missouri	48	2,267	1,781	234	86	4,702	36	1,068	48	6	2,000	2	76						
Montana	26	888	1,368	131	1,337	1,337	6	793	394	48	233	1,509							
Nebraska	29	1,065	503	75	367	2,011	28	142	110	13	115	383							
Nevada	19	477	191	30	688	688	4	5,723	2,865	1,000	483	11,312	8	199	110				
New Hampshire	79	8,372	4,826	1,088	102	14,472	67	16	4,894	3,208	1,191	29	89	9,417	41	9	25	545	
New Jersey	98	2,644	1,664	255	404	5,072	156	22	437	199	77	713	2	73	60	250			
New Mexico	98	2,644	1,664	255	404	5,072	156	22	437	199	77	713	2	73	60	250			
New York	63	3,445	2,239	769	16	6,527	16	101	56	214	82	43	14	2	175	250			
North Carolina	11	516	429	17	58	6,527	16	101	56	214	82	43	14	2	175	250			
North Dakota	1	82	18	1	1	922	1	108	100	100	100	100	100	100	100	100			
Ohio	107	4,969	3,631	474	100	10,131	60	101	56	214	82	43	14	2	175	250			
Oklahoma	142	4,373	2,690	81	12	7,339	3	10	10	10	10	10	10	10	10	10			
Oregon	43	1,946	1,022	324	100	3,411	10	22	3,868	778	116	1	878	13,627	21	66	914	34	
Pennsylvania	127	7,213	4,233	612	70	14,779	168	22	6,867	3,868	778	116	1	878	13,627	21	66	914	34
Rhode Island	6	490	186	38	1	661	6	326	306	100	63	1	26	72					
South Carolina	1	15	15	1	1	30	1	315	231		545								
South Dakota	6	121	148	1	1	269	14	62	42	2	104								
Tennessee	28	1,038	729	47	64	1,937	127	4	353	254	56	15	94	742	1	344			
Texas	644	192	835	1,737	267	45,865	573	14	201	66	96	253	1	253					
Utah	16	70	457	107	618	1,104	4	22	19	19	41	1	23	41					
Vermont	2	64	39	11	1	104	1	128	68	8	204	18	3	145	44				
Virginia	24	72	1,820	143	57	2,517	52	1,082	772	113	18	61	2,945	120	4	688			
Washington	78	3,805	2,276	481	189	6,894	186	1,082	772	113	18	61	2,945	120	4	688			
West Virginia	11	296	205	24	298	1,570	1	2,947	1,160	104	32	4	1	23					
Wisconsin	14	422	235	15	1,186	1,570	108	15	15	15	15	15	15	15					
Wyoming	43	1,184	713	24	66	1,982	1	15	15	15	15	15	15	15					
Outlying parts of the United States																			
Alaska	6	73	37	84	171	110													
Canal Zone	2	106	86	51	1	518													
Hawaii	2	60	24	1	1	255													
Philippine Islands	9	521	143	13		677													
Puerto Rico	23	2,657	2,038	1,407	870	6,972													
Virgin Islands	1	10	17	5		32													



TABLE 3—OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS, EACH SUBJECT BEING REPORTED BY 16 OR MORE STATES, 1933-34—Continued

State or outlying part	Journalism				Dramatic art				Literature				Public speaking				Short story					
	Registrations in—				Registrations in—				Registrations in—				Registrations in—				Registrations in—					
	Grades 7 and 8		Last 4 years of high school		Grades 7 and 8		Last 4 years of high school		Grades 7 and 8		Last 4 years of high school		Grades 7 and 8		Last 4 years of high school		Full-year courses	Half-year courses				
1	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	84	
Continental United States.....	306	319	327	338	343	360	373	383	395	411	422	438	454	463	487	512	527	534	539	544	544	
Alabama.....	3	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Arizona.....	8	8	8	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Arkansas.....	10	10	10	10	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
California.....	169	25	24	222	206	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Colorado.....	16	321	300	300	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
Connecticut.....	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Delaware.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
District of Columbia.....	1	1	1	1	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Florida.....	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Georgia.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Iowa.....	13	240	240	240	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
Illinois.....	49	1,209	1,209	1,209	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
Indiana.....	43	718	718	718	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
Iowa.....	30	476	476	476	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
Kansas.....	52	1,071	1,071	1,071	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28



OFFERINGS AND REGISTRATIONS—HIGH-SCHOOL SUBJECTS 41

Kentucky	8	27	54	5	117	63	6	84	12	61	9	124	82
Louisiana	4	23	76	16	2,386	267					10	649	155
Maine		41		3	77						4	156	5
Maryland	1	47									3	2,000	1,004
Massachusetts	2										9		
Michigan	23	74	1,303	28	613	604	10	508	230	116	110	2,988	1,702
Minnesota	17	894	403	13	301	309	5		702	47	20	1,345	1,124
Mississippi			81	15	455	454					2	1,245	17
Missouri	15	468	112	5	118	96	1	53			27	2,273	973
Montana	23	350									80	2,476	216
Nebraska	25	471	399	29	1,392	515	5	103	37	305	54	607	1,227
Nevada					47							103	
New Hampshire											5		
New Jersey	10	219	61	5	166	56	3	161		153	23	2,507	888
New Mexico	3	20	26	1	12				17		8	57	44
New York	20	208	304	43	943	586	19	129	243	1,049	73	3,164	1,265
North Carolina	3	82	30	2	41		1		13		4	145	
North Dakota	44	145	616	2	80						60	254	755
Ohio	57	2,141	532	30	1,296	679	15	66	553	275	190	6,476	2,455
Oklahoma	20	696	20	8	1,248	38	6	86	315	345	188	4,277	804
Oregon	11	201	149	9	101	276					48	598	2,194
Pennsylvania	17	374	119	9	686	44	7	554	411	29	56	6,009	910
Rhode Island	1	58		3	267	209					4	1,760	
South Carolina					463								
South Dakota	20	267	232	5	33	44	1			303	31	70	675
Tennessee					14						3	469	
Texas	20	1,019	179	15	534	230	1			59	78	2,892	769
Utah	5	178	55	8	227	85	2	21		33	29	1,086	84
Vermont					10		2	219					
Virginia	3	25	90	2	225		1		30		13	735	84
Washington	47	2,133	363	26	1,957	607	1			34	82	1,477	1,313
West Virginia	17	289	79	2	42		1	8			13	678	174
Wisconsin	15	296	134	6	376	294	3	445			22	2,944	817
Wyoming	6	103	66	3	45	37	2	21	37		12	202	149
Outlying parts of the United States													
Alaska	1		10								1	18	
Canal Zone													
Hawaii	5	163	29	2	84				23				
									87				



OFFERINGS AND REGISTRATIONS—HIGH-SCHOOL SUBJECTS

TABLE 3.—OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS, EACH SUBJECT BEING REPORTED BY 15 OR MORE STATES, 1933-34—Continued

State or outlying part	Novel				Reading				Composition				Spelling				Penmanship			
	Registrations in—		Number of schools reporting	Total	Registrations in—		Number of schools reporting	Total	Registrations in—		Number of schools reporting	Total	Registrations in—		Number of schools reporting	Total	Registrations in—		Number of schools reporting	Total
	Full-year courses	Half-year courses			Grades 7 and 8	Least 4 years of high school			Full-year courses	Half-year courses			Grades 7 and 8	Least 4 years of high school			Full-year courses	Half-year courses		
	Number of schools reporting	Registrations in—	Registrations in—	Number of schools reporting	Registrations in—	Registrations in—	Number of schools reporting	Registrations in—	Registrations in—	Number of schools reporting	Registrations in—	Registrations in—	Number of schools reporting	Registrations in—	Registrations in—	Number of schools reporting	Registrations in—	Registrations in—	Number of schools reporting	Registrations in—
Continental United States.....	46	239	286	86	2,273	303	328	141	2,206	9,116	283	29,146	8,513	11,908	7,326	191	199	103	194	195
Alabama.....	1	1	1	1	96	96	96	2	25	67	8	280	109	109	109	3	96	103	103	103
Arizona.....	1	1	1	1	57	57	57	13	268	1,111	13	16	201	78	24	2	57	57	57	57
Arkansas.....	14	60	74	4	193	193	193	16	808	1,111	6	816	81	215	85	8	273	267	137	17
California.....	4	4	4	3	265	24	24	6	323	3,328	6	323	24	85	85	8	243	254	17	31
Colorado.....	1	1	1	1	83	83	83	2	108	1,088	2	108	1,088	108	108	3	84	84	84	84
Connecticut.....	1	1	1	1	41	41	41	1	4	94	11	811	77	80	80	3	40	40	40	40
Delaware.....	1	1	1	1	190	190	190	1	1	13	13	28	28	280	280	1	84	84	84	84
District of Columbia.....	1	1	1	1	190	190	190	1	1	13	13	28	28	280	280	1	84	84	84	84
Florida.....	1	1	1	1	41	41	41	1	4	94	11	811	77	80	80	3	40	40	40	40
Georgia.....	1	1	1	1	41	41	41	1	4	94	11	811	77	80	80	3	40	40	40	40
Idaho.....	1	1	1	1	190	190	190	1	1	13	13	28	28	280	280	1	84	84	84	84
Illinois.....	1	1	1	1	190	190	190	1	1	13	13	28	28	280	280	1	84	84	84	84
Indiana.....	1	1	1	1	190	190	190	1	1	13	13	28	28	280	280	1	84	84	84	84
Iowa.....	1	1	1	1	190	190	190	1	1	13	13	28	28	280	280	1	84	84	84	84
Kansas.....	1	1	1	1	190	190	190	1	1	13	13	28	28	280	280	1	84	84	84	84
Kentucky.....	1	1	1	1	190	190	190	1	1	13	13	28	28	280	280	1	84	84	84	84
Louisiana.....	1	1	1	1	190	190	190	1	1	13	13	28	28	280	280	1	84	84	84	84
Maine.....	1	1	1	1	190	190	190	1	1	13	13	28	28	280	280	1	84	84	84	84
Maryland.....	1	1	1	1	190	190	190	1	1	13	13	28	28	280	280	1	84	84	84	84
Massachusetts.....	1	1	1	1	190	190	190	1	1	13	13	28	28	280	280	1	84	84	84	84



Michigan.....	2	56	3	207	3	273	13	808	57	239	18	263	244	204	75
Minnesota.....	2	33	3	577	3	282	6	273	50	30	5	163	220	264	97
Mississippi.....							6	159	422	15	2	42	422		
Missouri.....			1	20	6	237	4	26	99	78	3	222	60		
Montana.....			1	64	1	15	3	50			1	86			
Nebraska.....	2	15	90		8	785	7	111	405	35	14	456	405	126	108
Nevada.....							1			4					
New Hampshire.....					2	40	8	512	295	631	9	202	462	735	40
New Jersey.....	1	12		236	1	21	3				2				
New Mexico.....					1		26	3,475	1,529	7	23	3,068	1,268		267
New York.....	2	33	9	3,000	1	18	3			64	32	1			32
North Carolina.....				270	23		3								979
North Dakota.....	3	41		71	2	10	12	638	150	67	6	678	180		
Ohio.....	1	23		323	395	37	11	390	244		8	220	185		
Oklahoma.....							6								261
Oregon.....	2	73		632		86	34	2,922	1,260	815	570	2,163	1,764	420	62
Pennsylvania.....						88	1	495		4,123	209	1	571	891	
Rhode Island.....							1				16				
South Carolina.....							1								
South Dakota.....						66	1								
Tennessee.....				26			4	29	126	103	2	25	231		
Texas.....	4			680		164	4	70		26	1		86		
Utah.....	3			116	95		3	116			1				7
Vermont.....							3		17	47	7				
Virginia.....	1			140			3	533	50	195	3	172	80	54	
Washington.....	3	145		442	273	204	24	217	864	1,187	861	823	1,020	14	916
West Virginia.....	1	14					5	1,049		26	7	1,298	128		7
Wisconsin.....	2	33					2		31		3	64	31		52
Wyoming.....				119	20	37	4	208							
Outlying parts of the United States.....															
Philippine Islands.....														37	626
Puerto Rico.....							3			189				199	

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TABLE 3.—OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS, EACH SUBJECT BEING REPORTED BY 15 OR MORE STATES, 1933-34—Continued

State or outlying part	Bible						Library training					
	Number of schools reporting	Registrations in—			Number of schools reporting	Registrations in—			Number of schools reporting	Registrations in—		
		Grades 7 and 8		Last 4 years of high school		Grades 7 and 8		Last 4 years of high school		Grades 7 and 8		Last 4 years of high school
		Full-year courses	Half-year courses	Full-year courses		Half-year courses	Full-year courses	Half-year courses		Full-year courses	Half-year courses	Full-year courses
Continental United States	119	539	199	1,297	111	113	9,391	5,265	8,035	114	115	5,405
Arizona												
Arkansas												
California	2	105	7	17	1	15	15	41	15	781	15	254
Colorado												
Delaware	1		13		1							10
Florida												
Idaho												
Illinois												
Indiana												
Iowa	20		298	443	1		145					173
Kansas	15		451	223	1							
Kentucky	5		70	108	1							
Louisiana	1		63		2							
Maine												
Maryland	2		70		1							
Massachusetts												
Michigan												
Minnesota	7		121	123	11		753					10
Missouri	1				2		216					87
Montana	1		103	5	2		229					11
					2							10



OFFERINGS AND REGISTRATIONS—HIGH-SCHOOL SUBJECTS 45

Nebraska.....	0	4	265	23	137
New Jersey.....	2	41	.....	41	.....
New Mexico.....	1	2	.....	2	.....
New York.....	13	1,044	1,063	1,044	217
North Carolina.....	2	7	.....	7	59
North Dakota.....	6	354	368	37	.....
Ohio.....	1	18	.....	18	.....
Oklahoma.....	25	4,278	2,298	4,278	3,188
Oklahoma.....	1	576	.....	283	.....
Pennsylvania.....	1	7	.....	7	.....
Rhode Island.....	1	.....	.....	.....	.....
South Dakota.....	6	377	.....	377	.....
Tennessee.....	3	532	365	548	13
Texas.....	4	260	.....	196	624
Utah.....	1	.....	.....	.....	.....
Virginia.....	9	91	.....	91	28
Washington.....	1	.....	.....	.....	13
West Virginia.....	16	657	.....	657	613
Wisconsin.....	1	.....	.....	.....	.....
Outlying parts of the United States.....	3	.....	.....	15	.....
Alaska.....	.....	.....	.....	.....	.....
Hawaii.....	.....	.....	.....	.....	.....



TABLE 3.—OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS, EACH SUBJECT BEING REPORTED BY 15 OR MORE STATES, 1933-34—Continued

State or outlying part	Elementary arithmetic						Advanced arithmetic						Elementary algebra						Advanced algebra						Plane geometry					
	Num-ber of schools report-ing	Registrations in—				Num-ber of schools report-ing	Registrations in—		Num-ber of schools report-ing	Registrations in—		Num-ber of schools report-ing	Registrations in—		Num-ber of schools report-ing	Registrations in—		Num-ber of schools report-ing	Registrations in—		Num-ber of schools report-ing	Registrations in—								
		Grades 7 and 8		Last 4 years of high school			Full-year courses	Half-year courses		Grades 7 and 8			Last 4 years of high school			Full-year courses	Half-year courses		Grades 7 and 8			Last 4 years of high school		Full-year courses	Half-year courses	Grades 7 and 8		Last 4 years of high school		
		Full-year courses	Half-year courses	Full-year courses	Half-year courses					Full-year courses	Half-year courses		Full-year courses	Half-year courses					Full-year courses	Half-year courses		Full-year courses	Half-year courses			Full-year courses	Half-year courses	Full-year courses	Half-year courses	Full-year courses
116	117	119	119	129	131	123	123	124	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126							
5,834	616,693	29,599	61,323	35,236	3,321	49,239	54,295	16,468	2,111	7,374	971,733	52,077	9,783	236,039	107,363	14,518	664,967	14,068	236,039	107,363	14,518	664,967	14,068							
Alabama	216	15,563	64	1,278	129	36	492	448	268	90	12,809	289	141	4,432	1,104	209	8,832	311	4,432	1,104	209	8,832	311							
Arizona	10	885	30	30	4	4	166	38	52	22	2,698	22	22	476	153	50	2,219	311	476	153	50	2,219	311							
Arkansas	182	10,857	77	294	232	93	631	1,224	287	64	9,013	95	207	3,453	1,143	261	6,003	96	3,453	1,143	261	6,003	96							
California	169	57,356	7,761	2,190	95	30	1,439	62	437	194	37,428	2,516	248	7,849	1,525	342	29,813	897	7,849	1,525	342	29,813	897							
Colorado	55	12,344	...	465	61	22	496	108	199	...	10,322	125	85	1,703	621	171	6,845	...	1,703	621	171	6,845	...							
Connecticut	25	8,596	...	481	...	8	744	...	95	...	11,846	...	66	3,673	137	74	6,495	...	3,673	137	74	6,495	...							
Delaware	16	2,681	...	111	...	9	544	...	23	...	1,301	...	15	781	60	20	1,117	...	781	60	20	1,117	...							
District of Columbia	12	4,523	...	72	...	11	368	...	22	...	2,956	...	12	1,047	468	9	3,021	...	1,047	468	9	3,021	...							
Florida	123	17,423	...	262	...	11	368	...	22	...	11,462	...	123	5,951	52	107	5,378	...	5,951	52	107	5,378	...							
Georgia	88	2,826	...	2,206	...	115	1,626	...	206	...	10,980	...	249	7,966	831	215	6,499	...	7,966	831	215	6,499	...							
Idaho	11	2,178	...	10	...	12	91	...	127	...	6,286	...	37	100	424	125	5,135	...	100	424	125	5,135	...							
Illinois	96	11,419	...	1,464	...	96	428	...	860	...	76,800	...	403	2,532	11,577	843	57,874	...	2,532	11,577	843	57,874	...							
Indiana	324	16,396	...	2,575	...	145	2,694	...	620	...	32,832	...	265	1,428	5,239	572	21,849	...	1,428	5,239	572	21,849	...							
Iowa	234	12,741	...	374	...	289	519	...	920	...	31,000	...	447	1,463	7,797	887	27,020	...	1,463	7,797	887	27,020	...							
Kansas	131	12,781	...	540	...	50	719	...	535	...	21,214	...	162	695	2,384	466	14,092	...	695	2,384	466	14,092	...							
Kentucky	205	11,245	...	864	...	168	1,387	...	458	...	16,118	...	308	5,580	2,541	383	10,685	...	5,580	2,541	383	10,685	...							
Louisiana	178	77	...	6,963	...	27	1,480	...	219	...	10,863	...	99	2,683	1,139	204	6,842	...	2,683	1,139	204	6,842	...							
Maine	54	2,868	...	1,244	...	16	768	...	183	...	5,200	...	111	2,403	613	134	2,961	...	2,403	613	134	2,961	...							
Maryland	39	8,807	...	1,042	...	24	768	...	427	...	14,195	...	138	6,012	4,437	145	8,988	...	6,012	4,437	145	8,988	...							
Massachusetts	180	40,578	...	2,838	...	24	3,443	...	154	...	30,872	...	186	9,734	4,437	214	21,023	...	9,734	4,437	214	21,023	...							



OFFERINGS AND REGISTRATIONS—HIGH-SCHOOL SUBJECTS 47

Michigan	251	41,809	4,961	3,405	1,064	56	2,765	1,089	576	5,961	237	2,971	4,836	514	27,231	1,219
Minnesota	90	19,601	1,029	290	321	0	2,278	1,131	459	4,410	231	4,206	4,836	442	18,395	475
Mississippi	106	3,068	534	321	321	167	1,347	2,222	269	6	204	4,024	76	227	5,548	57
Missouri	113	9,496	387	342	342	241	1,344	4,636	555	514	358	1,704	5,217	822	15,968	654
Montana	12	1,342	17	17	17	8	1,344	91	149	30	52	2,028	730	142	4,826	24
Nebraska	79	4,846	479	273	317	154	296	2,364	439	155	284	2,076	3,297	425	12,261	100
Nevada	2	2	2	2	2	2	2	2	2	2	11	160	26	24	4,465	30
New Hampshire	29	2,857	119	167	82	2	80	483	79	78	49	773	251	79	12,279	80
New Jersey	94	22,603	320	2,289	228	15	584	483	204	1,711	152	11,817	2,952	155	19,442	980
New Mexico	9	421	63	63	12	14	42	141	94	3,246	30	4,000	198	88	2,641	13
New York	189	25,285	1,428	845	121	22	590	42	705	351	500	5,342	14,515	722	42,675	94
North Carolina	263	3,068	2,339	9,289	9,289	171	2,687	6,670	434	12,797	401	13,009	1,036	395	11,604	362
North Dakota	74	1,487	33	922	33	41	86	687	330	131	51	64	628	186	3,434	64
Ohio	512	63,585	1,335	8,359	1,155	165	6,788	1,388	1,155	72,382	466	6,567	9,138	908	40,146	546
Oklahoma	186	11,011	1,533	786	1,795	186	1,023	2,654	360	24,318	319	2,069	4,357	564	18,760	88
Oregon	39	2,088	824	166	166	29	477	320	132	11,128	51	659	999	132	6,371	23
Pennsylvania	337	62,932	1,584	2,724	300	98	2,892	1,100	973	101,009	757	38,025	4,746	834	69,901	762
Rhode Island	15	6,381	1,271	1,271	37	6	1,088	302	19	3,837	19	2,257	215	21	2,707	210
South Carolina	102	6,601	22	1,056	174	66	2,792	4,636	170	5,414	170	7,043	945	170	5,849	188
South Dakota	23	1,952	150	139	233	19	54	2,777	233	8,615	76	312	823	197	5,517	...
Tennessee	60	6,511	239	465	465	73	582	774	356	17,913	340	9,985	250	254	9,957	...
Texas	162	19,954	263	1,169	825	348	1,544	6,539	825	47,067	762	30,941	1,615	757	31,651	372
Utah	49	2,437	354	75	74	9	311	75	74	5,671	18	620	60	60	8,374	...
Vermont	39	2,437	202	202	73	8	52	2,747	52	2,747	52	857	47	64	1,698	...
Virginia	146	3,544	120	551	346	125	1,763	3,437	346	10,792	321	11,103	1,148	313	9,441	311
Washington	45	14,364	1,084	137	661	12	191	165	280	19,957	101	1,243	1,895	228	14,220	1,123
West Virginia	192	14,681	2,103	110	235	65	2,187	255	82	10,543	82	1,220	1,801	186	6,939	20
Wisconsin	70	9,026	2,835	394	434	10	445	40	434	29,427	156	2,198	2,231	415	24,807	224
Wyoming	20	1,290	91	158	67	10	158	53	67	2,718	31	176	334	63	2,030	...
Outlying parts of the United States																
Alaska																
Canal Zone																
Guam																
Hawaii																
Philippine Islands																
Puerto Rico																
Virgin Islands																

\* Includes 178 full-time and 30 half-time students of seventh and eighth grades.  
 \* New York City reported 42 schools with a total of 92,155 students enrolled in mathematics, not segregated as to subject.



TABLE 3.—OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS, EACH SUBJECT BEING REPORTED BY 15 OR MORE STATES, 1933-34—Continued

State or outlying part	Solid geometry			Trigonometry			Astronomy			General mathematics					
	Number of schools reporting	Registrations in—		Number of schools reporting	Registrations in—		Number of schools reporting	Registrations in—		Number of schools reporting	Grades 7 and 8		Last 4 years of high school		
		Full-year courses	Half-year courses		Full-year courses	Half-year courses		Full-year courses	Half-year courses		Full-year courses	Half-year courses			
1	195	126	137	136	129	149	141	143	143	144	143	145	147	146	146
Continental United States.....	4,410	13,826	74,310	2,789	9,734	59,124	53	539	1,953	2,136	2,793	146,249	2,793	115,724	17,592
Alabama.....	80	167	1,165	17	95	424	54	3,205	159	54	3,205	3,205	159	189	78
Arizona.....	12	23	214	9	38	99	6	133	286	6	133	286	133	286	78
Arkansas.....	41	114	516	21	60	200	26	3,087	34	183	21	3,087	34	246	34
California.....	174	387	2,377	317	636	3,603	5	27	51	183	1,128	1,128	9,246	1,450	257
Colorado.....	56	75	513	39	62	602	6	43	294	30	1,700	1,700	795	257	257
Connecticut.....	53	170	895	53	80	1,023	4	276	276	43	2,906	2,906	2,400	53	53
Delaware.....	17	43	217	10	38	140	8	247	247	5	3,973	3,973	67	13	13
District of Columbia.....	5	189	554	38	110	269	5	1,399	1,399	32	1,399	1,399	413	225	225
Florida.....	51	189	762	5	10	41	20	1,233	1,233	20	1,233	1,233	1,670	146	146
Georgia.....	70	388	762	5	10	41	14	880	880	14	880	880	287	25	25
Idaho.....	36	105	280	16	149	83	3	84	84	29	1,270	1,270	1,856	260	260
Illinois.....	337	607	6,902	97	754	2,766	3	209	209	71	2,424	2,424	4,306	544	544
Indiana.....	201	564	3,578	49	150	829	1	10	10	17	1,903	1,903	4,463	80	80
Iowa.....	104	137	1,726	15	28	466	3	78	78	33	3,594	3,594	1,068	283	283
Kansas.....	107	516	1,644	28	28	466	3	108	108	24	476	476	1,165	260	260
Kentucky.....	51	122	685	27	108	415	16	707	707	16	707	707	1,148	131	131
Louisiana.....	13	119	348	7	23	207	38	543	543	38	543	543	1,019	131	131
Maine.....	49	70	556	33	41	480	68	1,736	1,736	68	1,736	1,736	1,459	1,459	1,459
Maryland.....	37	227	865	68	1,736	900	5	264	264	132	12,216	12,216	9,319	1,492	1,492
Massachusetts.....	143	1,099	2,304	139	1,543	2,654	5	264	264	132	12,216	12,216	9,319	1,492	1,492



OFFERINGS AND REGISTRATIONS—HIGH-SCHOOL SUBJECTS 49

Michigan.....	171	410	3,439	92	162	1,910				70	8,897	7,409	663
Minnesota.....	87	177	1,419	59	114	888				126	2,325	6,096	573
Mississippi.....	43	146	363	11	12	145				4	1,447	1,799	61
Missouri.....	63	139	1,447	80	79	1,306				41	14	335	20
Montana.....	23	74	422	26	20	284				8			
Nebraska.....	47	65	725	17	47	271				12		198	92
Nevada.....	8		75	5		45				1		35	17
New Hampshire.....	39	90	325	41	129	394				25	1,205	635	17
New Jersey.....	140	536	2,934	142	565	3,326	3	146		72	3,165	5,573	384
New Mexico.....	12		185	5		67				11		200	16
New York.....	247	358	2,943	277	469	4,509				124	10,248	8,680	814
North Carolina.....	20	332	2,245	13	93	207				17	100	1,146	9
North Dakota.....	21	18	244	7	1	108				7	7,374	12,820	132
Ohio.....	302	1,357	6,680	102	450	2,035	13	142	462	144	1,538	1,177	247
Oklahoma.....	63	226	860	16	130	294	1	89		28			
Oregon.....	29	17	671	24	27	912				89	403	2,399	144
Pennsylvania.....	619	2,354	12,133	545	1,265	9,438	4	34	151	177	34,430	16,052	3,175
Rhode Island.....	15	62	372	10	18	261				18	4,956	1,004	1,169
South Carolina.....	23	103	288	4		61				3	329	1,19	15
South Dakota.....	40	56	397	11		145				9	172	425	
Tennessee.....	112	200	1,237	8	148	637				6	1,534	2,527	23
Texas.....	265	941	4,058	149	1,024	3,157				32	5,600	2,021	159
Utah.....	8	374	388	14	34	267	1	24		12	431	145	
Vermont.....	29	30	241	25	47	230				9	278	1,917	
Virginia.....	124	264	1,204	57	67	887				96	4,123	3,176	
Washington.....	80	115	1,582	24	6	871	1	20		46	413	2,001	105
West Virginia.....	50	75	1,707	19	41	227				64	983	2,793	76
Wisconsin.....	83	149	1,772	66	132	1,114				30	3,581	2,712	258
Wyoming.....	23	87	294	5	10	56				8	89	128	20
Overlying parts of the United States.....													
Alaska.....	8	4	89	2	2	11							
Canal Zone.....	2		54	2		54							
Hawaii.....	6		55	7	5	83	1	26		11	2,878	1,476	
Philippine Islands.....	2	3	15	1		8				5		345	
Puerto Rico.....	12	70	137	2	27	24				1	193		
Virgin Islands.....													

\* Includes 162 students enrolled in trigonometry.





TABLE 3.—OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS, EACH SUBJECT BEING REPORTED BY 15 OR MORE STATES, 1933-34—Continued

State or outlying part	Nature study				General science				Physical geography				Physiology							
	Num-ber of schools report-ing	Registrations in—		Num-ber of schools report-ing	Registrations in—		Num-ber of schools report-ing	Registrations in—		Num-ber of schools report-ing	Registrations in—		Num-ber of schools report-ing	Registrations in—						
		Grades 7 and 8	Last 4 years of high school		Full-year courses	Half-year courses		Grades 7 and 8	Last 4 years of high school		Full-year courses	Half-year courses		Grades 7 and 8	Last 4 years of high school	Full-year courses	Half-year courses			
1	149	149	151	153	153	144	144	144	144	149	149	149	149	149	149	149	149	149		
Continental United States	299	14,269	5,825	2,269	499	12,995	324,198	53,439	787,814	49,413	3,329	3,994	1,994	33,945	87,459	2,367	26,334	10,519	35,378	46,254
Alabama	7	150	246	—	17	252	14,187	671	5,986	—	21	513	7	100	134	25	1,065	215	611	86
Arizona	17	433	444	20	—	32	6,289	—	1,371	—	2	—	—	24	24	5	16	159	236	—
Arkansas	11	895	189	35	48	242	6,289	—	6,861	27	2	124	45	492	554	52	400	102	93	580
California	2	47	—	24	—	345	31,497	6,591	24,524	841	12	—	374	803	16	72	339	369	8,685	204
Colorado	—	—	—	—	—	163	6,193	404	5,272	209	15	—	—	116	281	12	267	48	178	64
Connecticut	5	1,296	—	111	—	86	4,494	748	11,906	674	2	—	—	31	142	3	—	—	374	17
Delaware	—	—	—	—	—	28	1,554	535	1,367	—	—	—	—	—	—	—	—	—	—	—
District of Columbia	5	238	—	89	74	17	7,165	2,068	1,010	12	—	—	—	—	—	—	—	—	—	—
Florida	3	98	—	—	—	180	5,012	607	9,116	46	8	20	—	68	48	—	—	—	—	—
Georgia	—	—	—	—	—	280	1,720	—	9,353	63	3	—	—	—	—	—	—	—	—	—
Idaho	3	224	60	11	—	103	987	—	3,900	308	11	—	—	—	—	—	—	—	—	—
Illinois	3	46	28	68	—	612	6,389	980	56,611	8,623	218	—	—	142	179	7	84	103	103	68
Indiana	6	52	158	38	—	297	13,466	1,794	3,759	213	86	73	84	1,377	8,024	263	559	160	1,703	14,330
Iowa	4	45	224	23	—	799	4,769	1,712	22,435	3,129	61	15	—	1,890	752	92	434	1,010	669	1,718
Kansas	7	140	32	106	—	443	2,859	1,449	9,857	2,380	95	39	—	206	1,243	291	260	237	242	1,923
Kentucky	1	—	—	—	—	333	6,137	368	12,623	38	107	21	—	283	1,501	208	212	1,116	1,129	4,087
Louisiana	1	—	—	—	—	203	436	—	10,987	354	8	18	—	751	1,500	142	114	384	1,045	1,770
Maine	2	—	—	—	—	124	396	195	4,885	215	11	—	—	513	72	2	—	—	—	—
Maryland	—	—	—	—	—	168	9,087	1,141	12,501	30	5	187	27	582	197	7	476	—	161	44
Massachusetts	14	3,948	1,878	—	—	292	26,423	4,148	31,108	3,213	17	323	363	529	693	40	4,732	163	4,436	370



OFFERINGS AND REGISTRATIONS—HIGH-SCHOOL SUBJECTS 51

Michigan.....	8	143	88	222	31,519	4,834	19,072	2,834	63	217	56	1,327	1,102	78	337	1,064	577	1,543	
Minnesota.....	4	116	.....	494	6,305	1,428	23,697	142	20	41	.....	1,464	300	10	.....	.....	278	521	
Mississippi.....	3	90	14	218	6,060	61	6,060	61	25	146	.....	1,176	182	37	51	72	180	250	
Missouri.....	2	400	.....	463	2,187	624	18,078	219	35	.....	.....	1,970	86	108	672	120	2,176	1,270	
Montana.....	1	34	.....	117	377	152	4,552	88	12	.....	.....	374	209	3	.....	.....	.....	80	
Nebraska.....	1	.....	396	367	462	851	6,246	4,475	54	.....	.....	78	854	82	108	148	610	1,473	
Nevada.....	1	.....	19	19	19	.....	668	.....	1	.....	.....	8	.....	1	.....	.....	12	.....	
New Hampshire.....	1	.....	3	54	4,430	423	1,052	.....	14	23	.....	270	.....	5	77	.....	100	.....	
New Jersey.....	5	.....	554	187	6,322	2,028	32,510	5,752	7	.....	.....	343	289	13	318	189	230	963	
New Mexico.....	5	.....	.....	82	54	.....	2,069	1,177	9	.....	.....	24	180	35	187	.....	117	514	
New York <sup>1</sup> .....	5	325	403	536	22,353	3,488	46,700	1,078	180	180	.....	6,054	932	6	555	.....	75	72	
North Carolina.....	2	153	.....	409	309	.....	20,816	96	184	69	.....	4,288	.....	7	.....	.....	69	145	
North Dakota.....	2	46	.....	276	368	.....	7,125	96	125	.....	.....	305	1,761	106	191	34	86	1,429	
Ohio.....	17	2,031	472	1,056	31,917	2,435	68,444	7	90	430	.....	1,356	1,560	110	2,990	855	2,995	2,601	
Oklahoma.....	2	111	.....	486	6,094	2,252	18,130	76	333	.....	.....	1,296	6,870	37	14	56	578	884	
Oregon.....	14	1,005	940	183	41	320	9,130	256	5	.....	.....	92	80	44	205	205	691	690	
Pennsylvania.....	1	.....	.....	904	29,627	4,816	97,681	968	33	635	855	964	999	28	1,080	145	1,143	738	
Rhode Island.....	1	.....	120	30	11,170	690	5,773	.....	1	.....	.....	26	143	3	.....	545	181	.....	
South Carolina.....	1	.....	.....	186	900	.....	7,522	.....	53	.....	.....	1,167	471	49	90	105	129	.....	
South Dakota.....	3	76	76	209	306	367	6,229	180	27	.....	159	.....	.....	2	270	105	194	863	
Tennessee.....	1	.....	.....	265	2,876	119	9,785	42	75	.....	.....	444	1,099	6	233	165	23	18	
Texas.....	24	267	360	692	3,861	1,058	25,033	696	140	.....	.....	803	2,562	146	188	188	2,242	2,141	
Utah.....	10	447	118	52	2,254	133	3,041	62	6	330	.....	25	311	39	363	35	1,639	357	
Vermont.....	1	.....	.....	51	397	98	1,570	.....	9	.....	34	177	14	7	18	36	39	165	
Virginia.....	1	.....	12	320	3,013	80	14,016	513	32	175	.....	2,088	289	3	296	14	14	80	
Washington.....	2	144	.....	246	5,027	2,741	16,446	194	15	.....	.....	64	612	18	590	205	237	765	
West Virginia.....	3	1,161	.....	238	6,628	11,259	20	.....	53	83	.....	276	1,013	13	907	206	97	41	
Wisconsin.....	4	114	.....	437	3,608	316	27,277	1,380	22	382	.....	484	134	47	760	1,484	178	2,102	
Wyoming.....	1	.....	.....	65	716	25	1,878	.....	3	.....	.....	11	28	7	97	.....	.....	62	
Outlying parts of the United States																			
Alaska.....	1	.....	4	6	.....	.....	137	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Canal Zone.....	1	297	.....	18	4,453	262	.....	59	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hawaii.....	1	.....	.....	93	.....	.....	10,431	1,033	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
Philippine Islands.....	.....	.....	.....	23	.....	.....	2,708	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Puerto Rico.....	.....	.....	.....	1	.....	.....	40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Virgin Islands.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

<sup>1</sup> New York City reported 42 schools with 125,356 students enrolled in science, not segregated as to subject.





TABLE 3.—OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS, EACH SUBJECT BEING REPORTED BY 15 OR MORE STATES, 1933-34—Continued

State or outlying part.	Biology			Botany			Zoology			Chemistry			Physics			Geology		
	Num-ber of schools report-ing	Registrations in—		Num-ber of schools report-ing	Registrations in—		Num-ber of schools report-ing	Registrations in—		Num-ber of schools report-ing	Registrations in—		Num-ber of schools report-ing	Registrations in—		Num-ber of schools report-ing	Registrations in—	
		Full-year courses	Half-year courses		Full-year courses	Half-year courses		Full-year courses	Half-year courses		Full-year courses	Half-year courses		Full-year courses	Half-year courses		Full-year courses	Half-year courses
1	189	179	171	177	173	174	175	176	177	178	179	181	182	183	184	185	186	
Continental United States.....	11,288	694,534	21,686	367	28,053	15,922	345	16,897	19,378	6,683	334,968	5,161	276,836	5,162	2,612	2,669		
Alabama.....	201	9,070	63	5	42	67	1	18	.....	166	6,453	16	3,744	.....	.....	.....		
Arizona.....	36	2,312	.....	.....	.....	.....	.....	.....	.....	40	1,269	.....	.....	.....	.....	.....		
Arkansas.....	198	6,422	246	6	35	.....	.....	.....	.....	43	1,368	.....	.....	.....	.....	.....		
California.....	308	32,965	790	39	2,663	112	12	681	15	288	19,380	1,039	9,729	14	534	31		
Colorado.....	113	6,345	107	3	23	46	1	21	.....	119	6,112	32	2,469	.....	.....	.....		
Connecticut.....	71	11,347	83	1	.....	88	.....	.....	.....	67	6,656	.....	4,426	.....	.....	.....		
Delaware.....	21	1,768	31	.....	.....	.....	.....	.....	.....	15	658	.....	.....	.....	.....	.....		
District of Columbia.....	7	2,265	339	1	.....	192	.....	.....	.....	8	1,812	.....	.....	.....	.....	.....		
Florida.....	113	6,602	43	4	70	43	2	17	50	75	2,868	.....	1,969	.....	.....	.....		
Georgia.....	214	7,618	45	4	.....	318	1	138	.....	84	3,323	.....	1,707	10	.....	.....		
Idaho.....	92	4,635	46	1	208	.....	.....	.....	.....	61	2,622	.....	.....	.....	.....	.....		
Illinois.....	505	28,397	454	173	7,668	6,167	169	3,809	.....	261	20,552	841	1,806	.....	.....	.....		
Indiana.....	481	27,188	1,063	52	3,909	261	11	1,020	30	126	6,976	111	24,461	.....	.....	.....		
Iowa.....	478	11,674	8,447	19	210	272	6	28	.....	70	3,213	257	6,886	.....	.....	.....		
Kansas.....	278	10,706	8,431	12	535	157	1	40	.....	71	3,845	.....	16,248	.....	.....	.....		
Kentucky.....	291	8,625	120	14	473	360	13	24	.....	54	2,651	39	2,975	.....	.....	.....		
Louisiana.....	190	7,471	79	.....	.....	.....	.....	.....	.....	162	4,639	122	2,877	.....	.....	.....		
Maine.....	89	2,128	187	11	57	166	2	.....	.....	89	3,294	.....	2,207	.....	.....	.....		
Maryland.....	143	10,900	18	2	86	.....	.....	.....	.....	107	6,043	.....	2,207	.....	.....	.....		
Massachusetts.....	183	21,482	39	13	812	479	5	472	.....	190	19,027	153	13,989	.....	.....	.....		



OFFERINGS AND REGISTRATIONS—HIGH-SCHOOL SUBJECTS 58

Michigan	413	20,520	2,109	29	619	1,080	18	607	588	322	20,434	942	322	10,860	560	3	163
Minnesota	467	22,341	148	370	644	1,173	2	2	53	341	12,133	69	319	9,236	1	1	96
Mississippi	282	5,358	41	3	41	19	2	2	15	96	1,672	69	37	4,813	1	1	13
Missouri	231	14,128	170	6	491	15	9	860	15	79	4,368	1	163	4,868	6	6	73
Montana	85	3,654	170	1	20	20	1	20	64	84	1,986	106	90	1,813	1	1	1
Nebraska	264	7,315	454	39	86	770	1	1	69	88	2,408	106	266	5,102	83	1	1
Nevada	8	319	19	1	54	340	4	59	312	10	214	106	9	1,137	1	1	1
New Hampshire	40	1,748	430	4	1	1	4	1	1	50	1,835	246	54	1,583	197	1	1
New Jersey	199	25,292	38	1	1	1	1	1	1	147	11,963	246	145	11,804	24	1	1
New Mexico	55	1,743	38	1	1	1	1	1	1	26	1,131	1	34	1,844	1	1	1
New York	356	30,705	173	2	41	63	2	3	12	461	19,328	7	480	16,804	36	1	1
North Carolina	412	18,280	173	6	76	42	2	30	12	104	4,120	1	288	6,012	36	1	1
North Dakota	210	6,629	278	36	1,840	1,633	14	734	511	89	2,496	129	66	1,238	84	1	1
Ohio	862	83,975	145	4	35	104	3	3	201	555	26,411	129	706	21,983	101	6	508
Oklahoma	415	13,899	145	4	35	104	3	3	201	53	3,482	1	118	2,917	10	7	51
Oregon	141	8,130	56	26	257	412	3	3	224	82	2,816	1	68	2,680	1	1	1
Pennsylvania	794	63,305	2,680	24	558	1,674	26	348	2,659	622	37,441	648	614	28,442	869	1	20
Rhode Island	13	2,461	1	1	1	1	1	1	1	18	2,267	1	18	1,472	1	1	1
South Carolina	142	5,478	36	1	1	1	1	1	1	55	1,844	1	54	1,379	1	1	1
South Dakota	122	3,817	36	3	104	104	1	1	44	56	1,613	1	96	1,606	14	3	26
Tennessee	195	6,898	95	2	19	56	3	3	224	193	4,720	104	87	2,064	95	1	30
Texas	453	17,074	215	5	871	25	4	378	564	250	10,835	104	306	8,616	1	1	1
Utah	60	5,373	164	19	545	727	17	443	564	33	2,458	1	30	1,477	1	1	297
Vermont	46	1,771	302	2	20	20	1	29	46	46	1,282	162	36	1,779	22	1	1
Virginia	276	13,188	302	2	20	20	1	29	46	228	6,660	162	46	1,342	127	1	1
Washington	198	11,884	173	26	3,102	333	12	1,334	219	173	10,180	1	166	7,045	1	1	128
West Virginia	195	13,680	126	6	124	31	1	31	1	170	5,602	28	77	1,637	1	1	26
Wisconsin	420	25,492	1,181	2	21	13	1	20	99	136	10,687	132	389	13,028	146	5	197
Wyoming	40	1,203	1,125	1	1	1	1	20	1	20	10,867	1	30	13,066	1	1	1
Outlying parts of the United States																	
Alaska	11	186								5	87		8	113		1	3
Canal Zone	2	90								1	23		1	23		1	1
Guam	1	41								1	66		1	66		1	106
Hawaii	18	2,709								9	609		8	268		1	1
Philippine Islands	70	8,867	185	1	93					19	764		100	9,425	27		
Puerto Rico	23	1,308	31							1	16		9	297			
Virgin Islands	1																



TABLE 3.—OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS, EACH SUBJECT BEING REPORTED BY 15 OR MORE STATES, 1933-34—Continued

State or outlying part	American history					State history					English history					World history				
	Num-ber of schools re- porting	Registrations in—				Num-ber of schools re- porting	Registrations in—				Num-ber of schools re- porting	Registrations in—				Num-ber of schools re- porting	Registrations in—			
		Grades 7 and 8		Last 4 years of high school			Grades 7 and 8		Last 4 years of high school			Grades 7 and 8		Last 4 years of high school			Grades 7 and 8		Last 4 years of high school	
		Full-year courses	Half-year courses	Full-year courses	Half-year courses		Full-year courses	Half-year courses	Full-year courses	Half-year courses		Full-year courses	Half-year courses	Full-year courses	Half-year courses		Full-year courses	Half-year courses	Full-year courses	Half-year courses
1	197	106	189	189	191	193	194	194	194	187	186	199	201	203	203	204	204	204	204	
Continental United States	14,915	331,898	38,476	698,799	82,798	643	1,889	2,408	2,168	17,897	1,634	1,349	17,711	4,263	9,767	15,223	5,828	513,368	22,823	
Alabama	270	4,795	94	8,804	309	1		60			75	242	267	204	204	193	94	8,424	178	
Arizona	83	198	55	2,760	118	1			16		23	190	22	26	26	60	50	1,124		
Arkansas	269	5,185	64	6,435	172	13	208	160			33	209	59	214	273	400	781	6,679		
California	350	10,036	4,475	39,982	4,809	18	54	33		1,007		45	78	157	157	600	781	28,443	3,689	
Colorado	171	2,323	124	6,928	1,387	3			11									9,833		
Connecticut	80	4,885		10,744	362													8,085	268	
Delaware	22	1,326		1,873	23	3												6,606		
District of Columbia	19	7,033	1,187	4,876	23													4,568		
Florida	145	8,305	20	4,247	2,363	9												1,441		
Georgia	212	2,434		6,287	687	33												9,606		
Idaho	116	1,093	161	3,608	1,235													3,479	67	
Illinois	721	4,962		48,424	6,739	2					196	37	676	108	108		40	6,266	501	
Indiana	633	5,975	1,264	20,374	3,113	21	43	16										19,881	771	
Iowa	767	6,197	378	22,604	5,952	8					101	66	81	114	535	287		24,653	777	
Kansas	472	4,868	1,031	14,644	3,588	3	101		22									20,041	1,166	
Kentucky	373	2,080	685	9,320	2,660	15	44	120	16									8,006		
Louisiana	205	434		6,644	615	10												7,210	47	
Mississippi	128	1,855	266	4,188	1,092	74			796	2,390								5,773	23	
Maryland	161	15,024	863	8,369	46	9												6,991		
Massachusetts	331	35,665	4,619	36,578	1,619	30	328	171										6,803	79	
																		9,368	699	



Michigan.....	509	20,461	2,914	22,116	4,608	3	13	313					108	51	436	1,021	208	24,458	1,943	
Minnesota.....	509	10,351	280	22,594	2,786	1	1	130					85	422	276			16,262	490	
Mississippi.....	296	1,192	95	5,194	2,226	1							18		208			12,775	43	
Missouri.....	420	3,089	6	20,764	830	88	43		11	1,913			15	173	455	213	16	15,593		
Montana.....	131	3,287	31	3,571	1,328	4				92			17		119			4,443		
Nebraska.....	393	2,182	1,188	11,872	71								15	109	267	288	229	11,330	766	
Nevada.....	23			2,327	206								27		14			3,046		
New Hampshire.....	94	4,387	20	2,994	32								187		78	640		3,046		
New Jersey.....	208	16,508	3,056	17,068	3,295								106	22	145			15,035	1,589	
New Mexico.....	85	401		1,594	716	10			16	163			53	57	2			1,379		
New York <sup>a</sup> .....	687	13,700	298	32,598	201								404	170	193	329		8,398	383	
North Carolina.....	366	13,570		16,465	2,314								441	39	196	114		9,020	37	
North Dakota.....	319	543		6,051	715	4		373					63		231			5,321		
Ohio.....	980	30,211	2,415	35,483	14,706	33			12	81			408	145	531	97	30	49,419	2,413	
Oklahoma.....	496	4,321	1,188	19,880	455	366		16	1,249	11,231			2,232	164	107			5,696	2,216	
Oregon.....	176	656	181	10,447	314								777	404	153			5,018	56	
Pennsylvania.....	908	54,607	4,054	57,645	2,314								635	189	793	4,401	980	60,663	1,792	
Rhode Island.....	30	4,868	776	8,200	961								865	33	54	529		1,338		
South Carolina.....	213	282		4,748	655								69	117	10			2,434	28	
South Dakota.....	206	632	189	4,794	1,783								140	117	133			4,070		
Tennessee.....	261	3,231	15	6,105	2,321	2		115					278	643	29			907		
Texas.....	715	5,431	953	32,535	354	34	1,066	967	17	458			2,364	643	191	2,142		12,041	159	
Utah.....	78	2,844	270	6,094	354	3			35	100			833		68			6,755	231	
Vermont.....	59	934		1,574	65	1	13						34		24	73		512		
Virginia.....	351	2,788	1,327	12,304	926								375	187	232	234	665	8,528	3,527	
Washington.....	249	3,078	1,944	13,310	7,389								45	34	188			14,736	218	
West Virginia.....	218	5,470	464	11,487	141	7	231	106	36	67			146	107	192	60	205	8,922	170	
Wisconsin.....	429	3,189	798	27,717	528	1				185			165		201		247	11,307		
Wyoming.....	68	860		1,694	347	1	27						23		50			1,992	27	
Outlying parts of the United States.....																				
Alaska.....	9			95	86														128	
Canal Zone.....	2			190															182	
Guam.....	1			17															41	
Hawaii.....	11	646		1,018		1				45								1,128		
Philippine Islands.....	63			6,554	4,856	57			6,332	2,426					4			3,178	960	
Puerto Rico.....	21			47	507	10				267					20			1,261		
Virgin Islands.....	2	130		79		1		68							1			40		

<sup>a</sup> Two schools reported 1,018 students as the total registration in history, not segregated by kind of history.  
<sup>b</sup> New York City reported 43 schools with a total registration of 168,344 students in social studies, not segregated as to subject.





OFFERINGS AND REGISTRATIONS—HIGH-SCHOOL SUBJECTS

TABLE 3.—OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS, EACH SUBJECT BEING REPORTED BY 15 OR MORE STATES, 1933-34—Continued

State or outlying part	Ancient history				Medieval history		Modern history		Industrial history		Occupations								
	Num-ber of schools report-ing	Registrations in—			Num-ber of schools report-ing	Registrations in—		Num-ber of schools report-ing	Registrations in—		Num-ber of schools report-ing	Registrations in—							
		Grades 7 and 8	Last 4 years of high school	Full-year courses		Half-year courses	Full-year courses		Half-year courses	Grades 7 and 8		Last 4 years of high school	Full-year courses	Half-year courses					
I	297	268	299	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325
Continental United States	5,660	4,415	1,151	297,766	68,317	146,619	46,717	74,679	11,639	143	4,408	4,314	4,008	4,214	2,088	42,779	15,061	52,833	96,948
Alabama	23	257		1,122	1,396	553	1,220	478	3	37	14	658	170	14	170	5,974	2,931	1,725	102
Arizona	10			871	25	47		26	27				3		9			1,758	170
Arkansas	27	204		417	323	251	239	21	50				99		99	12		1,568	170
California	74			4,022	564	2,660	647	2,537	468	3	63	233	46		46			4,618	2,925
Colorado	19			1,175	338	10	262	262	9	919	126		28		28			4,609	963
Connecticut	62			4,734	454	27	3,010	326	22	2,205			13		13			1,590	633
Delaware	12			819		7	315						1		1			1,590	633
District of Columbia	18			758	995	14	470	931	2	708			3		3			64	25
Florida	52			2,475	1,453	40	1,270	972	10	233			15		15			99	267
Georgia	139	145		4,294	292	123	2,928	266	24	443	119		16		16			51	267
Idaho	17			1,200	264	10	227	263	4	286								244	333
Illinois	892			16,643	6,943	239	12,638	7,814	165	7,998	2,490		35		35			70	1,500
Indiana	47			3,651	499	51	2,510	843	10	233			42		42			208	2,149
Iowa	94			1,739	1,974	64	808	1,032	9	553	639		11		11			533	2,149
Kansas	106	943		2,794	81	45	1,399	52	40	849			3		3			186	2,119
Kentucky	115	73		4,096	311	98	2,399	229	26	768	225		66		66			40	2,471
Louisiana	28			2,453	459	35	2,424	476	3	476			63		63			76	1,265
Maine	102			2,854	207	45	1,444	265	17	428	89		5		5			97	267
Maryland	68			2,886	1,574	38	1,167	1,728	37	1,243	842		11		11			291	1,119
Massachusetts	207	12	171	14,195	1,830	93	4,161	1,329	46	4,627	358		20		20			125	1,409
													52		52			185	1,241
													10		10			448	1,545



Michigan.....	97	29	4,819	1,689	60	2,939	1,154	33	1,891	224	4	157	69	597	2,000	4,870
Minnesota.....	146		2,236	704	87	4,469	1,591	134	6,220				102	265	1,130	1,785
Mississippi.....	63		2,041	108	44	1,156	69	8	260				15	86	371	1,243
Missouri.....	16	29	1,667		10	1,176		9	699	68		74	67		648	2,090
Montana.....	14		1,871	55	10	408	88	9	191	131	6		70	50	536	1,629
Nebraska.....	23	98	1,176	66	9	320	179	3	305				84	88	432	2,520
Nevada.....	9		1,199		4	50	1						2			128
New Hampshire.....	27		1,209	300	17	661	290				1	158	7	1,197	28	994
New Jersey.....	123		12,998	1,413	75	6,419	1,105	29	2,233	86	3	137	27	1,475	1,356	1,811
New Mexico.....	33		1,126	162	29	694	162	1	102				12		98	181
New York.....	596	473	41,623	5,084	344	9,189	8,719	63	2,338	239	6	564	13		483	166
North Carolina.....	228		7,765	1,022	198	6,181	130	18	854		1	56	13		343	379
North Dakota.....	63	105	1,781	309	54	1,060	178	43	1,120	12			246		358	4,290
Ohio.....	198	22	12,339	3,959	135	6,513	4,501	61	5,901	890	6	608	237	1,624	3,667	6,434
Oklahoma.....	228		2,863	1,562	270	6,527	599	117	3,513	103	1	33	18		811	6,817
Oregon.....	14		991	374	13	792	572	6	334	164			26	342	64	987
Pennsylvania.....	321	451	10,082	17,129	212	15,814	2,947	87	12,280	1,090	43	450	142	5,045	2,921	6,247
Rhode Island.....	28		2,457	208	12	742	358	5	212	85			11	800	1,905	4,845
South Carolina.....	83		2,865	1,711	70	2,342	105	12	154	78			21		1,770	471
South Dakota.....	87		1,678	237	54	2,958	298	20	408	59			56	114	200	1,149
Tennessee.....	290		7,859	251	190	5,109	318	24	785				12	698	156	598
Texas.....	657		26,773	1,061	560	19,947	945	21	2,522	140			75	265	280	2,223
Utah.....	1					112							16	546		1,314
Vermont.....	81	23	1,630	379	32	933	79	8	266		1	10	4		56	85
Virginia.....	180	219	3,397	4,143	122	5,670	643	4	46	205			150	478	1,164	5,592
Washington.....	31		1,442	565	22	576	650	7		599			24	834	812	1,854
West Virginia.....	6		1,133	113	2	29	90						94	1,084	1,303	3,646
Wisconsin.....	255		2,965	4,677	195	3,362	4,781	122	5,962	252	1	11	20	172	1,201	3,900
Wyoming.....	6		2,354	11	7	239							17		281	390
Qualifying parts of the United States.....																
Alaska.....	2		19		1	3		1	25				1	64		
Original Zone.....																
Hawaii.....	1	75														
Philippine Islands.....	11		6,893	1,070	20	422	1,154	43	613	5,251			2		75	
Puerto Rico.....			24		2	31		6	266				1		43	
Virgin Islands.....	1							1								

" Includes 7 schools with 1,053 full-time registrations in ancient history, medieval history, and current events, and 29 schools with 5,400 registrations in ancient and medieval history.





OFFERINGS AND REGISTRATIONS—HIGH-SCHOOL SUBJECTS

TABLE 3.—OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS, EACH SUBJECT BEING REPORTED BY 15 OR MORE STATES, 1933-34—Continued

State or outlying part	Geography					Social science studies					Community government					Civil government, United States				
	Num-ber of schools report-ing	Grades 7 and 8		Last 4 years of high school		Num-ber of schools report-ing	Grades 7 and 8		Last 4 years of high school		Num-ber of schools report-ing	Grades 7 and 8		Last 4 years of high school		Num-ber of schools report-ing	Grades 7 and 8		Last 4 years of high school	
		Full-year courses	Half-year courses	Full-year courses	Half-year courses		Full-year courses	Half-year courses	Full-year courses	Half-year courses		Full-year courses	Half-year courses	Full-year courses	Half-year courses		Full-year courses	Half-year courses	Full-year courses	Half-year courses
1	236	227	226	226	224	222	222	224	224	224	226	227	226	226	226	241	243	243	245	245
Continental United States	5,002	264,493	59,144	52,866	41,533	269,728	6,265	162,160	8,965	284,296	29,016	284,296	211,539	211,539	5,267	15,267	16,622	57,426	181,042	181,042
Alabama.....	219	9,413	843	479	181	200	40	26	65	29	371	10,201	770	26	28	59	609	323	1,468	1,468
Arizona.....	6	470	45	45	103	103	44	20	20	19	99	302	227	30	30	150	103	763	1,592	1,592
Arkansas.....	114	2,206	676	580	747	507	8	146	146	222	69	2,265	4,200	2,396	50	167	763	1,592	13,189	13,189
California.....	66	1,200	4,259	402	1,950	24,563	50,940	3,266	3,266	119	108	4,200	4,200	4,200	153	173	1,369	1,369	13,189	13,189
Colorado.....	41	2,439	471	67	246	7,264	48	3,391	109	108	1,400	268	3,176	1,401	45	6	1,137	1,137	13,189	13,189
Connecticut.....	14	1,724	.....	448	349	4,400	64	1,170	31	48	84	699	6,094	1,671	11	.....	227	723	723	723
Delaware.....	3	1,782	.....	153	.....	998	64	335	.....	12	40	643	33	6	6	.....	102	338	338	338
District of Columbia.....	16	9,741	446	210	16	.....	.....	.....	.....	16	28	946	878	4	4	.....	.....	.....	.....	.....
Florida.....	102	8,957	64	.....	.....	143	.....	.....	.....	114	28	.....	.....	.....	8	.....	.....	.....	.....	.....
Georgia.....	25	3,810	104	109	109	.....	.....	.....	.....	209	987	.....	.....	.....	.....	804	11	468	2,081	2,081
Idaho.....	14	846	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Illinois.....	126	4,222	860	775	749	327	417	2,994	114	51	312	65	463	1,152	47	.....	798	1,267	1,267	1,267
Indiana.....	256	6,592	1,730	2,035	1,457	4,228	817	2,994	114	409	86	702	9,074	17,991	361	.....	1,569	16,537	16,537	16,537
Iowa.....	201	2,707	59	545	545	2,125	126	1,413	53	267	509	2,709	5,465	7,233	310	.....	414	3,600	7,233	7,233
Kansas.....	103	7,136	761	144	948	4,463	126	1,596	132	291	225	1,028	2,070	7,919	297	.....	238	3,520	11,117	11,117
Kentucky.....	173	1,630	482	1,018	1,365	5,425	861	2,376	62	197	1,874	3,026	4,313	401	.....	38	85	3,144	12,691	12,691
Louisiana.....	46	4,023	.....	633	717	.....	.....	.....	.....	223	167	230	4,375	1,989	97	.....	211	1,917	1,409	1,409
Maine.....	17	1,137	.....	344	.....	.....	.....	.....	.....	122	46	340	61	100	.....	.....	.....	2,447	1,108	1,108
Maryland.....	27	5,022	1,244	147	96	734	.....	528	89	97	69	563	2,760	723	.....	.....	64	482	818	818
Massachusetts.....	127	30,800	6,438	1,056	234	10,935	378	3,326	299	220	4,848	1,626	16,612	6,200	.....	2,932	163	4,561	1,063	1,063



Michigan	220	7,860	2,575	3,701	2,259	31	7,728	256	2,522	590	2,724	10,161	7,501	308	221	1,344	1,564	12,148	
Minnesota	129	10,932		1,416	59	159	2,075	5,925	2,042	73	1,274	7,695	2,265	308	461	61	848	2,545	
Mississippi	105	7,744	221	8,145	662	14	3,692	371	2,54	210	50	4,204	1,189	117	24	269	833	1,196	
Missouri	304	1,299	43	1,279		14	3,692	145	40	363	24	12,982	2,666	99	888	10	2,472	7,764	
Montana	12	271		71	100	13	503		62	64	156	12,198	1,523	47			236	2,963	
Nebraska	114	4,797	978	124	1,631	9	152	52	107	226	1,116	1,048	4,707	200	278	1,226	1,226	4,407	
Nevada	1			7		8	522	38	1,181	22	257	131	107	9	33	37	37	283	
New Hampshire	20	1,895	111	67	82	8	522		1,238	78	1,018	3,489	2,008	22	419	192	160	1,793	
New Jersey	67	16,951	2,194	1,217	429	30	3,231	1,074	1,238	196	1,018	3,489	9,035	38	115	490	1,787	1,787	
New Mexico	10	196		32	113					59		879	550	38	115	181			
New York	196	7,870	465	1,475	3,714	60	16,162	5,778	1,025	697	2,151	6,341	35,489	179	698	256	2,435	9,987	
North Carolina	103	1,318	122	2,451	1,077	2	347	250	1,331	390	1,193	20,372	763	52	378	1,948	1,948	478	
North Dakota	70	555		378	879	4	440	75	2,222	240	2,254	6,321	4,342	67	39	225	1,258	1,550	
Ohio	643	22,316	3,419	8,236	4,756	81	19,479	2,803	6,798	458	2,254	12,750	10,014	365	1,104	1,522	9,899	14,896	
Oklahoma	134	1,783	1,351	8,957	1,704	34	6,559	431	42	198	880	2,727	13,857	56	9	484	233	1,522	
Oregon	45	491	72	696	952	15	1,191	1,051	9,267	71	149	9,915	825	88	141	126	2,735	3,039	
Pennsylvania	345	54,441	16,504	1,319	356	56	52,964	5,195	1,796	612	6,925	19,106	19,204	350	3,197	2,625	12,482	16,517	
Rhode Island	13	4,592	1,043	1,393	162	2	3,931	1,417	1,796	19	72	1,820	2,691	47	3,196		1,344	1,389	
South Carolina	44			52	410	3	140		72	101		1,415	1,447	106			9,877	877	
South Dakota	29	278	187														422	2,650	
Tennessee	41	2,222	37	400	240	5	2,922	765	632	261		2,522	1,109	49	322	187	1,362	219	
Texas	78	3,133	1,134	1,044	808	23	9,156	1,865	413	349	947	3,409	7,043	408	56	294	6,049	9,065	
Utah	39	2,345	1,114	326	326	3	59	233	1,004	53	200	2,429	2,577	23	61	270	932	932	
Vermont	26	832	80	180	96	8	522	202	1,165	49	1,165	1,859	2,218	6	46	34	14	60	
Virginia	38	2,162	976	485		8	831	206	1,165	143	552	3,404	2,520	198		497	3,820	4,401	
Washington	45	3,065	4,058	21	1,379	16	2,538	1,288	158	158	64	3,965	7,297	136	46	138	1,852	6,862	
West Virginia	170	6,633	744	1,642	624	8	7,111	406	250	297	245	7,967	3,504	45	13	82	881	1,250	
Wisconsin	224	3,448	2,847	6,121	1,563	23	4,162	1,839	250	375	152	30,780	2,228	74	337	297	4,570	1,470	
Wyoming	12	608	315	23	1	9	356	8	40	40	214	1,444	350	24	187	48	394	1,364	
Outlying parts of the United States																			
Alaska						1		237				15	75	1				17	
Canal Zone						17	5,574	5,498					104	3			1,118		
Hawaii																		238	3,034
Philippine Islands																		25	348
Puerto Rico																			
Virgin Islands																			

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TABLE 3.—OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS, EACH SUBJECT BEING REPORTED BY 15 OR MORE STATES, 1933-34—Continued

State or outlying part	Sociology			Economics			Problems of democracy			International relations			Psychology		
	Num-ber of schools report-ing	Registrations in—		Num-ber of schools report-ing	Registrations in—		Num-ber of schools report-ing	Registrations in—		Num-ber of schools report-ing	Registrations in—		Num-ber of schools report-ing	Registrations in—	
		Full-year courses	Half-year courses		Full-year courses	Half-year courses		Full-year courses	Half-year courses		Full-year courses	Half-year courses		Full-year courses	Half-year courses
Continental United States.....	3,452	19,393	92,325	6,325	38,878	182,996	4,080	106,107	49,424	244	416	7,494	557	1,940	13,065
Alabama.....	30	586	140	25	372	371	159	4,251	275	1	247	247	245	245	249
Arizona.....	7	117	117	31	255	1,268	11	198	173						
Arkansas.....	59	39	1,164	82	96	1,698	154	2,139	945	1	22	22	1	48	
California.....	97	476	3,997	194	1,827	6,074	56	1,625	1,088	49	19	2,724	36	279	358
Colorado.....	76	268	1,500	88	320	1,908	34	1,473	1,363	2	22	63	29	52	863
Connecticut.....	6	41	210	44	2,173	1,182	37	3,067	301						
Delaware.....	2	19	42	7	26	129	6	376	77						
District of Columbia.....				7	39	534	1	51	51						
Florida.....	33	876	613	41	245	1,245	29	688	328	1	36	36	15	129	592
Georgia.....	22	124	459	65	677	918	16	443	307						
Idaho.....	73	121	2,136	84	313	2,204	9	498	222						
Illinois.....	104	467	3,689	539	1,119	17,824	36	646	1,837	1	17	17	4	71	207
Indiana.....	146	358	3,736	333	604	10,745	78	785	1,889	1	13	13	6	207	44
Iowa.....	409	699	8,902	596	1,258	16,080	80	278	3,034	78	21	2,345	84	280	3,335
Kansas.....	227	310	4,516	227	536	4,594	22	403	3,301				129	108	2,565
Kentucky.....	95	472	1,744	109	850	1,997	186	3,308	931	3	29	46	7	454	192
Louisiana.....				10	216	1,363	11	97	33						
Maine.....	7	106	62	36	664	675	28	554	430	1	53	53	8		
Maryland.....	3	25	160	13	107	577	124	3,848	52						
Massachusetts.....	10	104	306	115	3,734	3,925	68	3,975	953	1	23	23			
Michigan.....	73	291	2,493	316	1,827	13,029	47	1,781	1,356	4	224	224	2		140
Minnesota.....	99	1,986	3,852	109	1,960	5,377	133	5,377	598						
Mississippi.....	13	80	155	74	390	3,284	74	322	1,090	1	4	4			26
Missouri.....	60	213	2,956	339	3,284	3,284	300	6,778	518						86
Montana.....	83	113	1,749	87	129	1,771	31	764	213				13	84	266



Nebraska.....	134	262	3, 110	135	242	2, 992	107	1, 516	1, 296	5	6	120	1	20
Nevada.....	6	1, 107	236	7	15	202	5	99	1, 296	6	1	120	1	20
New Hampshire.....	51	466	497	53	1, 396	750	319	4, 305	11, 984	6	6	319	4	88
New Jersey.....	11	66	442	116	2, 274	7, 395	6	15	76	1	1	80	4	88
New Mexico.....	35	173	633	44	134	787	6	15	76	1	1	36	2	91
North Carolina.....	12	385	776	217	448	6, 728	20	1, 220	145	1	1	36	2	91
North Dakota.....	38	66	1, 062	60	615	947	263	4, 593	187	60	60	856	80	1, 111
Ohio.....	48	4, 221	11, 242	360	1, 924	14, 263	380	10, 570	2, 675	4	4	115	14	205
Oklahoma.....	96	214	2, 168	109	317	2, 065	327	6, 352	957	4	4	115	82	1, 489
Oregon.....	99	220	2, 921	103	364	2, 218	7	250	111	1	1	18	14	14
Pennsylvania.....	44	1, 209	1, 655	197	3, 518	8, 171	622	27, 113	7, 727	1	1	18	14	14
Rhode Island.....	3	49	282	10	204	484	3	81	22	1	1	18	14	14
South Carolina.....	11	136	2, 899	71	360	1, 089	3	104	22	10	10	160	10	152
South Dakota.....	149	20	2, 898	174	219	3, 349	27	464	295	10	10	160	10	152
Tennessee.....	4	20	146	171	2, 045	784	149	680	2, 708	1	1	37	1	37
Texas.....	36	20	879	368	852	8, 564	7	81	38	1	1	37	1	37
Utah.....	48	629	2, 695	40	183	3, 011	8	448	195	1	1	37	1	37
Vermont.....	3	8	58	23	175	371	12	351	153	1	1	37	1	37
Virginia.....	18	623	135	44	578	812	62	1, 032	1, 032	1	1	37	1	37
Washington.....	143	185	4, 498	146	243	5, 464	19	261	305	11	11	308	12	401
West Virginia.....	128	441	4, 710	125	192	4, 698	60	2, 370	340	11	11	308	12	401
Wisconsin.....	225	1, 587	5, 641	286	1, 078	7, 229	77	1, 179	1, 621	1	1	308	12	401
Wyoming.....	33	204	6, 641	30	68	538	9	109	22	1	1	308	12	401
Outlying parts of the United States														
Alaska.....	3		39	4	5	29	2	86						
Canal Zone.....														
Guam.....														
Hawaii.....	2	237	19			15	7	599						
Philippine Islands.....														
Puerto Rico.....	9	99	72	85	9, 081	971	15	445	51				8	84
Virgin Islands.....				1	33									458



TABLE 3.—OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS, EACH SUBJECT BEING REPORTED BY 15 OR MORE STATES, 1933-34—Continued

State and outlying part	Hygiene and sanitation				Physical education				Military drill				
	Num-ber of schools report-ing	Registrations in—		Num-ber of schools report-ing	Registrations in—		Num-ber of schools report-ing	Registrations in—		Num-ber of schools report-ing	Registrations in—		
		Grades 7 and 8	Last 4 years of high school		Grades 7 and 8	Last 4 years of high school		Grades 7 and 8	Last 4 years of high school		Grades 7 and 8	Last 4 years of high school	
	281	282	284	285	287	288	289	270	271	272	273	274	275
Continental United States..	3,039	265,272	310,59	246,284	712,013	12,440	2,228,907	48,868	205	557	51,022	2,352	
Alabama.....	80	4,361	342	2,782	14,744	287	23,226	552	6		1,390		
Arizona.....	5	261	34	34	936	194	9,087	89					
Arkansas.....	45	1,083	264	436	3,249	19	3,616	7					
California.....	79	9,586	1,323	13,803	71,460	4,066	221,932	14,106	35		5,311	210	
Colorado.....	23	2,281	276	644	12,978		21,614		6		620		
Connecticut.....	20	4,675	527	2,938	11,048		44,349						
Delaware.....	10	2,697	117	786	2,830	117	4,159						
District of Columbia.....	5	1,063	646	761	9,739		12,264						
Florida.....	91	9,834	979	2,965	11,915	200	9,029	172	7		2,057	10	
Georgia.....	25	1,714	464	47	4,949	68	10,138	200	1		1,957		
Idaho.....	7	3,887	306	306	2,194		3,631		1		135		
Illinois.....	52	2,486	833	6,233	10,230		208,911		15		4,404		
Indiana.....	353	1,268	695	4,073	16,735	1,251	69,394	1,953	7		1,241		
Iowa.....	78	1,210	713	2,330	14,904		83,133	999	3		778	448	
Kansas.....	64	2,270	2,246	1,923	12,902	257	30,575	731	1		199		
Kentucky.....	63	1,705	748	732	7,163	701	15,813	420	2		927		
Louisiana.....	7	348	231	348	11,204		11,204	182					
Maine.....	16	725	135	505	1,598		6,933	53			419		
Maryland.....	30	5,312	1,411	680	16,335		25,143	848	2				
Massachusetts.....	126	28,943	1,531	12,481	52,324	239	104,387	368	33		16,656	1,560	



OFFERINGS AND REGISTRATIONS—HIGH-SCHOOL SUBJECTS 63

Michigan	98	6,147	1,418	5,882	585	218	44,410	26	81,941	226	16	2,195
Minnesota	22	2,061	52	490	672	367	21,774		63,686	96	1	16
Mississippi	89	2,290	368	1,172	5,418	369	10,130		4,001	4,381	9	1,522
Missouri	193	1,779	78	5,771	5,88	58	10,745		88,660	174		
Montana	8	1,115	329						4,706			
Nebraska	23	794	945	103	219	114	3,579	206	12,241	1,258	2	301
Nevada	3		68		563	20			1,036	1,044		
New Hampshire	5	256	137	102		19	1,744		2,877		1	99
New Jersey	87	14,646	172	15,816	3,794	199	22,936		149,881	3,575	1	75
New Mexico	12	64		124	66	43	465		3,516	3,251	1	102
New York	41	6,493	936	3,481	287	363	38,925		132,711	418		
North Carolina	9	373			71	71	38,348	114	8,251	852	1	24
North Dakota	30	469	332	1,202	334	334	1,381		21,731	803	1	251
Ohio	271	18,512	2,360	10,729	2,676	768	70,365	229	192,374	1,232		
Oklahoma	22	1,319	1,023	663	2,264	122	8,393		19,280	1,022		
Oregon	52	449	389	1,054	721	72	1,033		17,692	85		
Pennsylvania	551	88,381	1,417	123,790	4,131	745	109,941	818	195,325	5,244	1	20
Rhode Island	12	6,597	545	2,084		28	13,364		12,567	642	2	455
South Carolina	6	25		142	295	24	640		4,018	220		
South Dakota	19	100	459	148	149	72	1,434		6,142	220		
Tennessee	15	850	499	117	203	149	5,686		20,641	75	7	2,781
Texas	86	3,418	965	4,835	1,008	498	22,110	255	93,539	300	21	3,069
Utah	33	1,855	403	7,738	1,621	85	6,530	144	20,769	69	4	1,193
Vermont	11	372	51		7	15	1,251		3,071			
Virginia	17	2,320	450			200	7,834		32,360	1,388	4	1,018
Washington	38	4,780	4,157	2,367	173	170	12,280	2,067	40,414	3,034		
West Virginia	75	5,904	791	2,720	587	208	11,708	519	28,698	523	2	199
Wisconsin	23	2,127	907	776	882	271	13,687		73,757	1,866	2	783
Wyoming	10	96	429	41		42	1,633		3,945	20		
<i>Outlying parts of the United States</i>												
Alaska						3	111		104			
Canal Zone				16		1	213		243			
Guam	1											
Hawaii	5	1,103	457	444	120	20	4,559	1,929	5,630	769	1	811
Philippine Islands	14			380	334	66			25,318	204	39	10,086
Puerto Rico						8			191			
Virgin Islands	1			56								

12 schools reported community hygiene with registration of 539 students for half time.



TABLE 3.—OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS, EACH SUBJECT BEING REPORTED BY 15 OR MORE STATES, 1933-34—Continued

State or outlying part	Freehand drawing						Art—craft—design						Art appreciation						Commercial art						Related and applied art													
	Registrations in—			Registrations in—			Registrations in—			Registrations in—			Registrations in—			Registrations in—			Registrations in—			Registrations in—			Registrations in—			Registrations in—			Registrations in—							
	Number of schools reporting	Grades 7 and 8	Last 4 years of high school	Full-year	Half-year	Full-year	Number of schools reporting	Grades 7 and 8	Last 4 years of high school	Full-year	Half-year	Full-year	Number of schools reporting	Grades 7 and 8	Last 4 years of high school	Full-year	Half-year	Full-year	Number of schools reporting	Grades 7 and 8	Last 4 years of high school	Full-year	Half-year	Full-year	Number of schools reporting	Grades 7 and 8	Last 4 years of high school	Full-year	Half-year	Full-year	Number of schools reporting	Grades 7 and 8	Last 4 years of high school	Full-year	Half-year	Full-year		
1	276	377	378	379	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320			
Continental United States	2,364	236,205	44,800	219,553	23,600	1,400	97,915	19,619	96,330	28,145	178	1,439	402	5,643	5,453	89	325	89	4,176	1,806	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305			
Alabama	16	639	11	658	80	3	269	18	254	27	12	331	38	216	3	1	1	19	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
Arizona	8	60	114	428	114	4	21	135	27	27	4	1,061	4	1,061	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Arkansas	11	107	114	395	114	4	1,061	135	27	27	4	1,061	4	1,061	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
California	232	7,944	10,299	17,291	2,866	160	4,297	4,173	10,521	4,367	35	177	987	2,971	85	25	32	32	580	577	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
Colorado	25	3,251	440	1,439	378	14	1,431	1,381	677	241	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Connecticut	30	2,946	1,181	5,266	293	10	1,205	171	968	47	2	127	46	46	46	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Delaware	4	963	2,001	5,873	904	3	800	90	481	17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
District of Columbia	22	8,445	2,001	5,245	1,904	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Florida	22	3,999	21	2,059	28	3	559	173	173	17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Georgia	9	1,498	500	467	467	2	14	70	145	145	2	14	70	145	145	2	14	70	145	145	145	2	14	70	145	145	145	145	145	145	145	145	145	145	145	145	145	
Idaho	6	246	70	61	61	3	50	50	50	50	3	50	50	50	50	3	50	50	50	50	50	3	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
Illinois	100	2,022	1,139	32,534	1,065	27	1,152	1,152	1,152	69	11	85	139	583	3	263	263	263	263	263	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Indiana	181	5,554	1,087	6,221	615	176	1,355	222	1,702	411	5	5	110	119	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Iowa	33	2,378	534	1,633	376	26	1,577	443	1,072	47	5	5	110	119	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Kansas	50	432	674	1,131	60	29	417	472	664	139	29	417	472	664	139	29	417	472	664	139	29	417	472	664	139	29	417	472	664	139	29	417	472	664	139	29	417	472
Kentucky	18	1,355	835	708	149	7	1,158	871	196	336	3	3	32	111	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Louisiana	14	1,645	24	886	208	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Maine	13	1,645	302	11,496	241	4	97	305	14	14	2	212	23	151	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Maryland	29	13,575	302	11,496	241	4	97	305	14	14	2	212	23	151	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Massachusetts	2611	38,090	2,990	27,907	2,383	22	3,635	36	1,733	14	16	311,064	246	246	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	



OFFERINGS AND REGISTRATIONS—HIGH-SCHOOL SUBJECTS 65

Michigan.....	4,169	4,003	4,468	3,250	611	4,787	843	4,530	619	6	64	117	97	42	173	349	11	199	94
Minnesota.....	8,382	966	2,676	954	38	4,027	356	2,410	550	1	1	20			82	82	0	132	34
Mississippi.....	247		106	12	31		114	43	114	0		41	221		66	42	2	62	
Missouri.....	2,139	734	3,753	81	11	1,107	86	1,060	20								1	33	
Montana.....	473		282	16	11													19	
Nebraska.....	708	820	785	329	13	564	774	416	17	5		199	278	15	19		2		26
Nevada.....			82		2					1		15							
New Hampshire.....	1,802	26	450	16	2			81		3		103							
New Jersey.....	18,919	1,745	14,639	1,262	24	1,292	60	2,083		13		892	32	2	70				
New Mexico.....			1,158		2	392		21		1		21							
New York.....	15,076	1,280	4,451	7,240	307	7,882	1,705	5,639	16,464	26		335	406	9	947	81	3	64	342
North Carolina.....			313	61	2			188											
North Dakota.....	31		21	60	5	196		245	46			428	62	6	67	319	5	950	95
Ohio.....	17,870	2,153	11,676	447	63	7,546	1,608	6,827	412	10									
Oklahoma.....	1,211	1,441	1,075	360	12	524	845	735	57	1	200								
Oregon.....	120		1,115		13			1,344		2		121		1	141		3	26	113
Pennsylvania.....	47,533	2,803	37,069	1,105	157	40,836	139	30,861	209	5	148	121	23	1	819		7	362	45
Rhode Island.....	5,740	1,867	3,087	635	1					3	307	367			150				
South Carolina.....	385				1			441											
South Dakota.....	75	384	111	207	8			103	83									11	28
Tennessee.....	1,894	165	959	45	3	944	301	153	40										
Texas.....	3,778	726	3,331	274	28	1,834	792	2,148	93	1			23	5	336	34	5	132	48
Utah.....	1,264	1,120	1,708	1,082	15	217		730	28	2		46			67				
Vermont.....	748		300	300	1	32													
Virginia.....	2,975	1,193	921	390	7	351		297	103	2		21	27				1	24	
Washington.....	1,696	320	2,114	299	50	2,431	3,318	3,754	1,347								4	60	
West Virginia.....	2,063	123	746	244	11	817	90	355	26	1		21							
Wisconsin.....	2,802	105	5,378	434	32	3,370	54	2,325	225	2		34	13		70				
Wyoming.....			135	35	4			85											
<i>Outlying parts of the United States:</i>																			
Alaska.....			73							1									
Canal Zone.....			35							1									
Hawaii.....			133		4	680				3	570	32					1		77
Philippine Islands.....			428	235	1				169	6		77	48						
Puerto Rico.....										2		27	48						
Virgin Islands.....																			

Of that number 796 were reported by Philadelphia for all its high schools. Subject registration for Philadelphia was not given by schools.



TABLE 3.—OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS, EACH SUBJECT BEING REPORTED BY 15 OR MORE STATES, 1933-34—Continued

State and outlying part	Vocal music						Instrumental music						Orchestra						Band						Music studies																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	Registrations in—			Registrations in—			Registrations in—			Registrations in—			Registrations in—			Registrations in—			Registrations in—			Registrations in—			Registrations in—			Registrations in—																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	Grades 7 and 8		Last 4 years of high school	Grades 7 and 8		Last 4 years of high school	Grades 7 and 8		Last 4 years of high school	Grades 7 and 8		Last 4 years of high school	Grades 7 and 8		Last 4 years of high school	Grades 7 and 8		Last 4 years of high school	Grades 7 and 8		Last 4 years of high school	Grades 7 and 8		Last 4 years of high school	Grades 7 and 8		Last 4 years of high school																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	Full-year courses	Half-year courses	Full-year courses	Half-year courses	Full-year courses	Half-year courses	Full-year courses	Half-year courses	Full-year courses	Half-year courses	Full-year courses	Half-year courses	Full-year courses	Half-year courses	Full-year courses	Half-year courses	Full-year courses	Half-year courses	Full-year courses	Half-year courses	Full-year courses	Half-year courses	Full-year courses	Half-year courses	Full-year courses	Half-year courses	Full-year courses																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000



OFFERINGS AND REGISTRATIONS—HIGH-SCHOOL SUBJECTS 67.

Michigan.....	304	24,800	33,400	206	3,588	10,430	75	313	2,691	78	281	2,685	18	14	18	704
Minnesota.....	166	16,721	21,710	100	1,070	4,649	24	82	836	32	72	1,347	37	14	18	995
Mississippi.....	84	829	1,809	87	60	1,012	11	1	20	7	20	251	2	16	38	788
Missouri.....	256	6,864	23,813	117	494	3,894	61	137	1,823	50	31	2,018	41	5	29	1,922
Montana.....	76	459	2,625	35	83	877	16	15	459	25	25	707	5	5	208	538
Nebraska.....	231	3,350	13,701	100	548	2,730	42	89	962	26	68	1,108	25	198	187	82
Nevada.....	14	486	1,486	11	11	191	21	1	8	3	8	43	5	5	7,813	407
New Hampshire.....	33	3,718	2,318	7	59	115	10	12	169	25	3	1,146	44	35	16	7,813
New Jersey.....	149	20,786	22,130	56	1,355	2,908	40	118	1,646	188	30	1,72	20	1	20	4,488
New Mexico.....	39	416	1,785	27	69	569	2	2	32	5	10	72	1	1	1	1,031
New York.....	304	29,288	23,626	201	1,355	7,141	141	200	4,399	75	289	3,811	77	215	722	4,488
North Carolina.....	75	681	4,981	3	60	1,267	28	3	66	1	24	25	16	134	16	99
North Dakota.....	205	1,164	6,144	72	93	1,408	177	15	294	17	23	628	134	136	205	608
Ohio.....	807	54,529	84,329	532	2,163	17,599	648	109	3,220	83	284	3,066	119	24	136	1,498
Oklahoma.....	165	8,097	11,414	83	1,105	3,362	287	15	355	27	68	917	71	61	48	25
Oregon.....	57	834	2,485	35	95	854	78	21	328	123	19	585	132	3	38	133
Pennsylvania.....	708	116,629	124,855	389	3,177	12,578	779	150	4,960	42	844	4,725	117	107	3,037	5,922
Rhode Island.....	32	9,645	6,848	17	286	327	96	6	191	6	20	268	5	5	31	321
South Carolina.....	16	637	788	706	20	1,880	11	7	160	19	19	813	85	4	208	416
South Dakota.....	114	1,562	5,570	56	7	444	4	4	157	7	22	281	4	571	15	107
Tennessee.....	53	4,869	5,422	27	73	3,242	58	25	860	25	4	954	16	4	3	3
Texas.....	167	8,949	13,367	458	60	2,431	109	12	353	16	71	895	4	1	278	278
Utah.....	84	4,565	10,666	103	834	2,431	109	10	304	4	2	180	1	4	369	369
Vermont.....	30	1,180	2,204	8	8	746	4	4	92	2	2	63	4	4	249	249
Virginia.....	66	4,581	6,892	429	70	3,154	738	62	1,644	333	51	1,512	155	447	228	632
Washington.....	209	12,954	11,091	109	731	2,670	131	17	418	19	45	740	3	3	79	28
West Virginia.....	127	6,645	8,442	382	72	7,974	696	63	2,263	13	101	4,834	177	25	1,587	64
Wisconsin.....	187	8,122	16,138	147	797	7,702	25	3	2,142	5	7	196	5	5	14	14
Wyoming.....	35	1,160	2,925	23	36	1,880	11	7	160	19	19	813	85	4	208	416
Outlying parts of the United States.....																
Alaska.....	5	40	169	3	18	42										
Canal Zone.....	2	33	134	1	512	35										
Hawaii.....	13	3,667	1,929	10	812	818										
Philippine Islands.....	5		20	1		51										
Puerto Rico.....	2		1	1		16										
Virgin Islands.....																



TABLE 3.—OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS, EACH SUBJECT BEING REPORTED BY 15 OR MORE STATES, 1933-34—Continued

State and outlying part	Agriculture				Animal husbandry				Horticulture				Soils and crops				Poultry			
	Registrations in—		Registrations in—		Registrations in—		Registrations in—		Registrations in—		Registrations in—		Registrations in—		Registrations in—		Registrations in—		Registrations in—	
	Grades 7 and 8	Half-year courses	Full-year courses	Half-year courses	Full-year courses	Grades 7 and 8	Half-year courses	Full-year courses	Half-year courses	Full-year courses	Grades 7 and 8	Half-year courses	Full-year courses	Half-year courses	Full-year courses	Grades 7 and 8	Half-year courses	Full-year courses	Half-year courses	Full-year courses
	236	337	326	323	320	331	333	334	323	323	336	327	326	328	349	346	347	348	348	348
	4,793	5,597	3,864	116,998	10,447	648	11,080	1,171	201	71	10	16	10	10	43	341	525	525	53	53
Alabama.....	109	108	2,803	.....	100	16	27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Arizona.....	14	301	2,278	15	4	4	56	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Arkansas.....	84	179	1,763	5,368	407	51	1,362	85	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
California.....	41	121	88	1,309	25	10	274	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Colorado.....	53	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Connecticut.....	8	21	46	192	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Delaware.....	8	.....	147	23	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
District of Columbia.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Florida.....	48	564	472	571	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Georgia.....	43	109	1,057	16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Idaho.....	35	62	1,343	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Illinois.....	272	.....	4,343	15	125	6	87	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Indiana.....	157	833	246	.....	44	20	2,076	119	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Iowa.....	491	49	6,408	3,872	60	.....	575	409	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Kansas.....	307	34	6,233	116	2	.....	80	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Kentucky.....	168	384	213	478	6	36	24	40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Louisiana.....	51	1,703	26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Maine.....	19	.....	615	27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Maryland.....	38	21	1,124	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Massachusetts.....	21	.....	749	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Continental United States.....	4,793	5,597	3,864	116,998	10,447	648	11,080	1,171	201	71	10	16	10	43	341	525	525	53	53	53
Number of schools reporting	236	337	326	323	320	331	333	334	323	323	336	327	326	328	349	346	347	348	348	348
Registrations in—	Grades 7 and 8	Half-year courses	Full-year courses	Half-year courses	Full-year courses	Grades 7 and 8	Half-year courses	Full-year courses	Half-year courses	Full-year courses	Grades 7 and 8	Half-year courses	Full-year courses	Half-year courses	Full-year courses	Grades 7 and 8	Half-year courses	Full-year courses	Half-year courses	Full-year courses
Registrations in—	Least 4 years of high school	Half-year courses	Full-year courses	Half-year courses	Full-year courses	Least 4 years of high school	Half-year courses	Full-year courses	Half-year courses	Full-year courses	Least 4 years of high school	Half-year courses	Full-year courses	Half-year courses	Full-year courses	Least 4 years of high school	Half-year courses	Full-year courses	Half-year courses	Full-year courses
Number of schools reporting	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....



OFFERINGS AND REGISTRATIONS—HIGH-SCHOOL SUBJECTS 69

Michigan	77	64	124	1,073	392	71	1,098	177	42	219	622	108	1,434	1,000	2	16	11
Minnesota	83	190	61	3,105	160	1	11	18	1	4	4	7	112				
Mississippi	80	69	28	2,290	9	5	78	22	3	181	28	2	45	26	4		70
Missouri	304	233	55	8,277		6	155	33				0	104				
Montana	23	44		709		10	244	35	44								
Nebraska	177	159		1,978	2,148	89	154	24				19	94	244	1		11
Nevada	3			65													
New Hampshire	9			189		1	21			32		1	30	21	1	19	
New Jersey	10			1,064	101							2					
New Mexico	26			423													
New York	133	390		3,343	40							2	17		1	6	
North Carolina	99	14		4,710	12	3	43	6				14	275			17	
North Dakota	149	14	206	2,963	64	6	123	12		397	39	70	1,331	167	1	9	
Ohio	399	946		8,108	380	60	960	111	6			1	9				
Oklahoma	192	112	75	4,065	1,464												
Oregon	31			1,015		5	114					6	97			6	
Pennsylvania	177	269		4,492	39	19	319	18	1		35	20	364	60	20	329	29
Rhode Island	4	115		185									10				
South Carolina	88			2,435	21	6	66			28		1	79				
South Dakota	26			646								6					
Tennessee	105			4,324		1	17										
Texas	229	14	143	7,033	127	3	319	36	2	61		4	120		2	20	27
Utah	23	38	21	1,104		17	595										
Vermont	19	228	10	3,826	8	1	21			20							
Virginia	137	66															
Washington	39	60		1,209	37	25	519	28	6	105	30	23	407	52	2	65	
West Virginia	51	25		1,329	20	2	16	11	2	24	53	3	1,040	69	4	41	8
Wisconsin	84	9		2,340	30	59	822						29				
Wyoming	29	38	83	680	50	2	20	7									
Outlying parts of the United States	2	817		630	93	19	709	72	1	290	213	18	625		1	25	72
Hawaii	0			413											4	215	
Philippine Islands	0			33													
Puerto Rico	0																



TABLE 3.—OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS, EACH SUBJECT BEING REPORTED BY 15 OR MORE STATES, 1933-34—Continued

State and outlying part	Home economics				Sewing				Cooking				Child care				Home nursing																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	Grades 7 and 8		Last 4 years of high school		Grades 7 and 8		Last 4 years of high school		Grades 7 and 8		Last 4 years of high school		Grades 7 and 8		Last 4 years of high school		Grades 7 and 8		Last 4 years of high school																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	Full-year courses	Half-year courses	Full-year courses	Half-year courses	Full-year courses	Half-year courses	Full-year courses	Half-year courses	Full-year courses	Half-year courses	Full-year courses	Half-year courses	Full-year courses	Half-year courses	Full-year courses	Half-year courses	Full-year courses	Half-year courses	Full-year courses	Half-year courses																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	257	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000



OFFERINGS AND REGISTRATIONS—HIGH-SCHOOL SUBJECTS 71

Michigan	172	4,990	875	1,360	69	1,237	1,368	2,142	903	58	739	1,553	1,170	1,003	5	56	135	219	2	2	162
Minnesota	224	4,294	1,027	9,148	35	546	844	1,619	1,508	27	543	1,011	1,100	1,272	1		72	219	3	3	10
Mississippi	121	83	43	36	6		161	151	78	4		76	721	182	4				4	4	55
Missouri	104	749	397	22	37	181	126	1,094	78	20	234	76	31		8				10	10	230
Montana	44	262	1,896	16	3		12	12	27	2											
Nebraska	134	325	894	2,757	30	24	524	664	272	20	22		824	167	1				1	1	
Nevada	4		91	81	1		18	18		1											
New Hampshire	32	695	853	37	23	148	1,419	173		22	153	1,495	95		1				11	11	143
New Jersey	69	1,967	342	4,912	60	790	2,053	6,483	1,391	56	1,028	2,071	5,525	1,105	1				11	11	859
New Mexico	37	1,105	1,005	713	2		6	6	15	1											434
New York	309	10,042	1,416	16,953	25	271	800	571	579	24	284	800	418	540	4				9	9	244
North Carolina	172	173	10,497	153	4		311	311	23	4			390	134	7				7	7	36
North Dakota	48	195	1,240	377	13		45	45	177	8			14		7				7	7	93
Ohio	632	13,471	3,508	27,945	196	1,680	1,509	5,930	2,079	169	2,146	3,575	3,393	1,954	2				7	7	275
Oklahoma	107	1,835	10,797	313	26		198	528	212	23		407	316	265	1				1	1	35
Oregon	72	308	116	5,018	72	15	14	296	17	8			132	17	3				3	3	41
Pennsylvania	348	14,992	588	28,455	106	6,801	4,290	8,341	2,992	99	5,018	4,539	5,522	5,009	23				12	12	241
Rhode Island	15	1,056	3,005	20	4		389	389		6		155	349		1				1	1	40
South Carolina	90		605	4,323	4		548	548		3			152	74	1				1	1	120
South Dakota	56	453	109	2,221	12	22	272	272	182	6	57		102	101	3				3	3	57
Tennessee	211	1,073	364	8,445	145		1,123	1,123	352	25	397		546	280	1				4	4	97
Texas	301	1,562	723	11,773	1,631	535	730	1,010	471	28	501	696	963	936	2				2	2	
Utah	57	743	436	3,499	701	148		594	202	6	168		168	78	1				4	4	
Vermont	43	819	6	1,231	9		136	136		2		57	112						2	2	
Virginia	151	1,388	108	5,596	168	14	166	97	381	13	87	100	428	453					7	7	175
Washington	142	1,804	1,700	8,872	535	31	27	757	736	24	28	831	291	520	1				2	2	
West Virginia	130	2,905	329	6,621	157	31	405	590	299	27	79	250	573	338	1				4	4	49
Wisconsin	157	4,205	62	8,855	47	42	198	134	2,408	20	93	61	501	420	6				4	4	
Wyoming	22	209	8,694		8	43	96	96	227	4	27	96	36	120							
Outlying parts of the United States																					
Alaska	2		40		3																
Canal Zone	2		121		4																
Hawaii	15	1,879	1,688	15	4	353		192													44
Philippine Islands	15		903		1			25													
Puerto Rico	0		377	255	1			22	21												
Virgin Islands	1		29		1	72															212



TABLE 3.—OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS, EACH SUBJECT BEING REPORTED BY 15 OR MORE STATES, 1933-34—Continued

State and outlying part	Foods (nutrition and dietetics)				Clothing				Family relations				Interior decorating and house planning				Costume design			
	Registrations in—		Registrations in—		Registrations in—		Registrations in—		Registrations in—		Registrations in—		Registrations in—		Registrations in—		Registrations in—			
	Grades 7 and 8	Last 4 years of high school	Grades 7 and 8	Last 4 years of high school	Grades 7 and 8	Last 4 years of high school	Grades 7 and 8	Last 4 years of high school	Grades 7 and 8	Last 4 years of high school	Grades 7 and 8	Last 4 years of high school	Grades 7 and 8	Last 4 years of high school	Grades 7 and 8	Last 4 years of high school	Grades 7 and 8	Last 4 years of high school		
1	377	376	379	380	363	364	365	366	367	368	369	370	371	372	373	374	375	376		
Continental United States	1,632	35,696	30,780	71,889	32,726	1,666	31,185	31,266	90,127	32,213	159	2,611	1,126	932	1,699	396	397	398		
Alabama	16	31	12	324	104	15	23	12	567	126	2	5	17	21	200	205	206	207		
Arizona	13	88	328	423	145	4	105	212	585	195	1	30	17	21	200	205	206	207		
Arkansas	174	1,204	6,668	7,637	4,077	181	1,683	4,990	12,556	4,676	4	150	126	87	273	14	400	231		
California	24	379	426	1,116	446	20	470	1,052	1,052	775	4	20	126	34	229	2	400	231		
Colorado	9	854	306	706	333	8	824	233	450	620	1	37	17	31	200	1	26	66		
Connecticut	1	368	67	35	56	2	358	97	232	82	1	57	17	238	47	1	26	66		
Delaware	2	100	495	169	322	5	120	491	97	82	1	7	17	21	200	1	26	66		
District of Columbia	6	70	95	302	122	11	100	77	240	117	1	21	17	21	200	1	26	66		
Florida	12	70	95	302	122	11	100	77	240	117	1	21	17	21	200	1	26	66		
Georgia	4	102	13	102	13	1	100	77	240	117	1	21	17	21	200	1	26	66		
Idaho	292	817	68	9,623	145	243	831	18	10,648	114	1	110	126	21	200	5	290	60		
Illinois	118	690	690	2,920	1,369	86	15	662	3,079	1,000	12	110	126	21	200	4	10	60		
Indiana	35	752	626	892	756	30	804	809	848	778	2	36	126	20	200	4	10	60		
Iowa	147	781	440	4,153	669	146	704	763	4,986	685	9	97	169	37	200	1	15	16		
Kansas	10	223	204	769	479	11	80	453	1,078	560	3	12	18	16	200	1	15	16		
Kentucky	9	534	434	534	434	6	409	315	175	147	1	26	17	16	200	1	15	16		
Louisiana	5	161	161	161	161	6	161	161	161	161	6	161	161	161	161	6	161	161	161	
Maine	5	161	161	161	161	6	161	161	161	161	6	161	161	161	161	6	161	161	161	





OFFERINGS AND REGISTRATIONS—HIGH-SCHOOL SUBJECTS 73

Maryland.....	11	1,470	447	416	827	12	1,572	822	910	215	14	56	21	501
Massachusetts.....	55	2,537	1,636	3,736	1,277	44	2,337	1,734	4,085	1,411	1	1	21	347
Michigan.....	105	3,078	3,378	4,564	2,069	100	3,072	3,944	6,214	3,324	1	1	21	139
Minnesota.....	28	3,340	3,667	4,888	1,023	20	3,666	3,777	4,230	3,807	1	1	21	69
Mississippi.....	45	181	678	1,924	97	48	235	285	2,810	177	2	72	11	
Missouri.....	5	70	141	141	42	5	87	87	116	45	3	54	11	
Montana.....	24	97	824	1,019	443	14	103	878	299	299	6	6	11	
Nebraska.....	1				14	1								
Nevada.....	22	101	374	374	267	30	101	101	571	331	64	64	21	
New Hampshire.....	45	865	2,802	3,120	1,197	47	3,810	2,621	3,160	1,211	1	13	21	
New Jersey.....	4				18	2			9	15			11	
New Mexico.....	33	338	1,451	1,000	917	60	410	125	1,530	795	32	32	11	183
New York.....	8				102	6			508	19			11	
North Carolina.....	6				49	5			17	55			11	
North Dakota.....	67	812	854	3,378	3,092	61	965	718	3,690	1,652	3	31	11	851
Ohio.....	26	143	637	1,458	112	23	143	539	2,105	149			11	25
Oklahoma.....	24	30	235	1,171	237	21	51	205	2,160	182			21	20
Oregon.....	120	18,637	4,092	5,745	3,818	144	14,739	4,238	7,073	3,622	64	53	21	20
Pennsylvania.....	10	704	744	3,319	236	9	770	632	7,677	348			11	
Rhode Island.....	4				351	2			169	38			11	
South Carolina.....	6				92	4			33	38			11	
South Dakota.....	12				195	4			115	91			11	44
Tennessee.....	94	281	1,072	4,094	2,339	100	921	516	5,094	2,476	16	229	21	30
Texas.....	24	106	972	635	635	15	82	82	578	954			11	
Utah.....	3	101	106	6	18	2	27	27	37	74			11	
Vermont.....	3	47	399	399	6	5			211	74			11	
Virginia.....	4				1,496	40			2,926	1,701	1	1	11	
Washington.....	19	32	234	320	1,169	12	114	234	234	131			11	
West Virginia.....	8	246	468	3,887	1,499	81	37	471	6,209	1,449			11	
Wisconsin.....	8				115	5			93	146			11	
Wyoming.....	10				254	5			243	146			11	
Outlying parts of the United States.....						11			592	206			121	21
Hawaii.....	18				311								21	
Philippine Islands.....	10				63								21	
Puerto Rico.....													21	



TABLE 3.—OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS, EACH SUBJECT BEING REPORTED BY 15 OR MORE STATES, 1933-34—Continued

State or outlying part	Elementary business training						Commercial arithmetic						Commercial geography						Short-hand				
	Num-ber of schools report-ing	Registrations in—			Num-ber of schools report-ing	Registrations in—			Num-ber of schools report-ing	Registrations in—			Num-ber of schools report-ing	Registrations in—			Num-ber of schools report-ing	Registrations in—					
		Grades 7 and 8		Last 4 years of high school		Grades 7 and 8		Last 4 years of high school		Grades 7 and 8		Last 4 years of high school		Grades 7 and 8		Last 4 years of high school		Grades 7 and 8		Last 4 years of high school	Grades 7 and 8		Last 4 years of high school
		Full-year courses	Half-year courses	Full-year courses		Full-year courses	Half-year courses	Full-year courses		Half-year courses	Full-year courses	Half-year courses		Full-year courses	Half-year courses	Full-year courses		Half-year courses	Full-year courses	Half-year courses	Full-year courses	Half-year courses	Full-year courses
1	401	493	494	495	406	497	498	499	410	411	412	413	414	415	416	417	418	419	420				
Continental United States	4,654	45,598	23,844	222,237	53,101	4,459	1,162	398	149,738	70,950	3,795	991	450	96,202	92,206	6,052	88	391,071	13,166				
Alabama	81	153	139	685	677	94	1,398	2,189	2,189	124	124	78	95	856	3,219	32	2,228	2,228	142				
Arizona	16	127	127	396	312	18	561	88	88	9	9	80	47	96	248	32	1,026	1,026	125				
Arkansas	20	373	1,067	665	130	51	209	927	918	58	58	80	47	296	918	32	1,012	1,012	125				
California	261	571	1,061	16,733	3,616	75	3,492	1,766	56	33	33	160	160	1,947	1,410	307	16,324	792	174				
Colorado	50	571	1,061	1,854	823	64	22	1,035	1,119	33	33	67	67	160	971	85	3,830	3,830	174				
Connecticut	58	157	776	5,541	1,902	35	22	2,318	1,660	25	25	67	67	1,498	1,985	67	8,422	8,422	56				
Delaware	5	354	215	183	55	11	2,455	72	72	7	7	8	8	589	589	8	2,557	2,557	420				
District of Columbia	8	839	199	174	117	19	2,135	593	722	4	4	1,224	16	1,224	16	7	2,060	2,060	18				
Florida	19	405	265	168	145	40	1,692	722	16	16	16	231	509	231	509	50	2,904	2,904	15				
Georgia	25	276	120	585	387	34	655	351	351	6	6	289	21	289	21	25	904	904	15				
Idaho	29	50	50	633	515	23	129	579	16	16	16	144	241	144	241	55	1,638	1,638	33				
Illinois	170	453	16,138	4,502	354	354	1,600	7,867	7,867	379	379	21	21	18,592	11,713	454	41,787	41,787	1,205				
Indiana	177	618	171	1,680	202	202	5,109	2,031	96	96	96	21	21	1,143	2,045	264	10,614	10,614	565				
Iowa	219	274	251	3,875	927	181	3,865	204	204	204	204	51	51	570	5,107	263	9,434	9,434	916				
Kansas	64	319	131	1,801	927	228	3,279	2,585	124	124	124	51	51	130	2,503	215	6,125	6,125	126				
Kentucky	40	217	276	518	526	32	391	531	531	83	83	428	428	371	1,283	60	2,752	2,752	220				
Louisiana	5	342	342	342	342	15	1,350	96	96	85	85	150	150	1,306	1,802	40	1,944	1,944	71				
Maine	63	25	1,754	403	403	62	2,706	375	375	30	30	150	150	903	549	74	3,185	3,185	32				
Maryland	37	1,337	1,639	648	648	47	2,025	1,150	1,150	25	25	401	401	1,483	315	69	4,837	4,837	402				
Massachusetts	174	3,786	1,055	13,462	758	133	11,834	1,013	1,013	114	114	401	401	13,714	2,441	199	24,592	24,592	402				



OFFERINGS AND REGISTRATIONS—HIGH-SCHOOL SUBJECTS 75

Michigan	162	2,373	2,433	8,174	2,907	184		6,052	4,888	93		1,738	3,192	251	19,757	3,515
Minnesota	391	50	611	16,533	4,472	8		137	139	216		7,160	210	168	12,034	6
Mississippi	80	154		1,412	1,412	27		162	438	22		1,127	245	58	1,270	18
Missouri	28	43	124	820	430	53		776	1,949	36		1,117	1,631	183	8,380	15
Montana	32			1,169	209	40		196	567	33		134		89	2,094	
Nebraska	81		394	720	1,790	54		321	1,459	64		582	1,326	127	4,777	55
Nevada	2			47	63	4		54	63	2				17	2,277	
New Hampshire	52	1,238	72	1,285		15		490	230	53	366	1,353	61	54	2,187	
New Jersey	152	790	396	17,086	3,115	100		10,267	1,792	97		6,337	3,613	161	25,470	465
New Mexico	9	27		1,117	16	16		168	122	10		45	124	47	901	0
New York	490	3,088	675	24,894	949	527		25,456	411	348		7,008	11,758	376	44,909	338
North Carolina	14			24,595	189	26		892	190	38		718	581	50	1,882	129
North Dakota	191			3,620	375	111		53	1,486	133		88	2,400	40	1,095	18
Ohio	266	1,671	140	9,869	3,651	473		18,654	6,161	203	210	3,989	5,510	503	34,225	1,008
Oklahoma	11		45	394	89	46		635	1,530	220		635	4,691	113	4,074	34
Oregon	58			1,371	1,139	56		904	1,000	61		634	1,272	104	4,345	
Pennsylvania	367	28,360	10,281	35,691	7,250	345		26,304	5,066	221		9,864	4,450	402	45,828	748
Rhode Island	19			1,770	981	12		1,030	286	10		545	196	16	1,851	
South Carolina	82			2,132	300	10		1,167	303	8		120	24	49	1,654	
South Dakota	52			1,199	429	97		657	1,566	51		48	1,063	64	1,761	181
Tennessee	9	146	441	2,508	463	37		444	496	63		90	1,058	47	2,019	65
Texas	64	600	110	2,845	7,250	202		1,622	5,151	119		569	2,709	184	7,091	309
Utah	11			845	153	8		468		2		2	181	26	2,416	
Vermont	18			545	20	24		785	115	12	18	289	118	36	1,517	319
Virginia	23	574	205	1,074	397	34		2,661	400	9		31	311	57	3,408	
Washington	127	158		5,336	2,284	98		2,276	2,772	92		291	3,911	152	8,421	542
West Virginia	38	258	94	540	765	54		2,534	592	42		372	1,114	85	3,615	68
Wisconsin	287		168	11,391	1,640	61		2,592	1,960	34		1,503	1,150	255	15,909	25
Wyoming	17			244	1,218	19		293	239	5		45	142	33	1,063	
Outlying parts of the United States																
Alaska	1				28									7	87	6
Canal Zone						2								2	99	
Hawaii				528		19		1,039		1			132	6	505	
Philippine Islands	5					10		562						2	385	
Puerto Rico														19	1,147	76

10 New York City reported 194,428 students enrolled in commercial subjects, not segregated by subject (number of schools not given).



TABLE 3.—OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS, EACH SUBJECT BEING REPORTED BY 15 OR MORE STATES, 1933-34—Continued

State or outlying part	Typewriting				Office practice				Business organization				Bookkeeping			
	Num-ber of schools report-ing	Grades 7 and 8		Last 4 years of high school		Num-ber of schools report-ing	Grades 7 and 8		Last 4 years of high school		Num-ber of schools report-ing	Grades 7 and 8		Last 4 years of high school		
		Full-year courses	Half-year courses	Full-year courses	Half-year courses		Full-year courses	Half-year courses	Full-year courses	Half-year courses		Full-year courses	Half-year courses	Full-year courses	Half-year courses	
																Registrations in—
Continental United States	8,637	12,784	3,600	676,550	72,765	1,781	742	51,075	20,997	9,318	7,180	83	415,419	27,519		
Alabama	50			2,716	199	1								1,894		
Arizona	47			3,357	13	7		169			63			855		
Arkansas	48			2,443	55	6		13	107		67			1,046		
California	377	3,444	1,284	60,539	1,940	184		3,587	1,082	623	807			20,262		
Colorado	165			9,309	487	23		130	10		119			3,018		
Connecticut	80			16,812	323	41		1,806	1,083		170			11,735		
Delaware	7			691		3		127	4		335			11,735		
District of Columbia	21			4,465	547	10		246	273		215			3,061		
Florida	58			3,783	65	7		325	70		92			2,068		
Georgia	38	431	150	2,474	278	6		206	68		34			1,391		
Idaho	108			4,830	72	19		14	43		30			80		
Illinois	511			55,909	4,149	53		2,957	1,470		78			1,668		
Indiana	373			20,361	1,340	69		772	508		556			23,030		
Iowa	473			19,771	1,473	48		483	475		354			9,636		
Kansas	450	20	80	17,624	1,209	42		459	138		58			10,458		
Kentucky	80	319	64	3,992	649	15		97	395		19			7,934		
Louisiana	55			2,883	125	6					63			2,520		
Maine	73	28		4,448	40	28		430	351		52			3,264		
Maryland	74	209		7,511	1,349	16		224	160		405			4,325		
Massachusetts	212	390		40,052	521	103		85	754		321			5,612		
								8,537			894			33,990		



OFFERINGS AND REGISTRATIONS—HIGH-SCHOOL SUBJECTS 77

Michigan.....	367	60	204	36,218	6,933	63	4	1,285	893	26	640	280	400	451	327	19,968	3,794	
Minnesota.....	177		8	15,818		28		927	653	4			72	138	146	9,416	64	
Mississippi.....	72		79	2,379	79	8		92	1							1,680	12	
Missouri.....	265		397	15,971	397	28		1,471	614						245	8,314	112	
Montana.....	130		78	4,880	78	10		97	28						94	2,317	18	
Nebraska.....	290		621	13,050	621	49		1,044	258	7			65	128	228	4,510	1,568	
Nevada.....	21		5	458		5		17	1							200	12	
New Hampshire.....	55		146	3,303	146	49		768					435	509	57	2,574		
New Jersey.....	175	129	438	37,394	438	117		5,037	889	15					151	27,233	489	
New Mexico.....	78		12	2,318	12	5		103	2						46	27,725	16	
New York.....	488	440	590	40,702	590	57	49	2,422	432	7			88	223	418	28,813		
North Carolina.....	57		141	3,765	141	11	73	290	184						42	1,576	72	
North Dakota.....	216		635	8,542	635	7		144	30				57	616	139	2,449	125	
Ohio.....	642	2,843	81	50,769	2,960	131	80	5,032	1,906	14					620	32,633	605	
Oklahoma.....	171	357	204	11,244	348	22		245	104						121	4,255	30	
Oregon.....	200		235	11,625	235	18		362	65						153	5,414	63	
Pennsylvania.....	466	2,543	420	32,066	40,314	233		4,600	5,046	18			3,720	612	461	62,923	833	
Rhode Island.....	57	1,166	342	5,335	846	10	70	236	288	2			122		19	3,717	172	
South Carolina.....	53		60	1,948	60	2		50							47	1,663	25	
South Dakota.....	145		275	4,626	275	9		137	1	1				72	125	2,730	242	
Tennessee.....	57	45	176	4,234	225	5		137	55						49	2,366	81	
Texas.....	347	386	1,746	17,746	1,768	30	33	413	287						320	8,625	269	
Utah.....	48		7,650	7,650		10		473	139						42	2,059		
Vermont.....	41		2,153	2,153		15		297	78						36	1,339		
Virginia.....	63		5,968	5,968	488	12		722	270	1				113	51	3,249	191	
Washington.....	249		19,633	19,633	1,038	68		1,410	523						187	9,167	47	
West Virginia.....	101		8,823	8,823	167	24		533	83						95	3,688	36	
Wisconsin.....	279	180	113	26,321	529	67	24	1,270	1,139	7				271	183	12,639	515	
Wyoming.....	57		2,471	2,471	40	5		49	9	1				45	32	1,005	7	
<i>Owling parts of the United States</i>																		
Alaska.....	11		190	190											5	69		
Canal Zone.....	2		114	114											2	77		
Hawaii.....	16	696	427	2,117	604	10		212	20						8	675		
Philippine Islands.....	3		421	421				104							1	231		
Puerto Rico.....	16		1,059	1,059	28	4		178	47						14	869	53	



TABLE 3.—OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS, EACH SUBJECT BEING REPORTED BY 15 OR MORE STATES, 1933-34—Continued

State or outlying part	Accounting			Machine operating			Salesmanship and advertising			Business English			Commercial law		
	Num-ber of schools report-ing	Registra-tions in—		Num-ber of schools report-ing	Registra-tions in—		Num-ber of schools report-ing	Registra-tions in—		Num-ber of schools report-ing	Registra-tions in—		Num-ber of schools report-ing	Registra-tions in—	
		Full-year courses	Half-year courses		Full-year courses	Half-year courses		Full-year courses	Half-year courses		Full-year courses	Half-year courses		Full-year courses	Half-year courses
Continental United States.....	85	2,662	863	77	5,161	2,871	526	12,779	19,232	450	451	452	4,164	23,841	115,501
Alabama.....	1	442	443	444	445	446	447	446	449	450	451	452	453	454	455
Arizona.....	1	169	28	17	421	608	7	2,674	407	21	806	41	143	1,183	
Arkansas.....	1	270	21	15	68	1,122	5	193	52	40	485	2,043	2,106		
California.....	1	82	56	2	31	188	1	415	2	2	696	333	89	145	
Colorado.....	1	20	72	9	666	506	40	1,270	1,706	8	151	129	25	58	686
Connecticut.....	4	157	14	2	96	398	32	1,011	1,111	32	1,011	1,111	275	1,620	9,399
Delaware.....	2	22	14	1	205	435	22	296	638	53	247	1,240	111	385	2,799
District of Columbia.....	2	22	14	1	205	435	14	205	116	48	164	1,428	408	468	8,913
Florida.....	1	25	133	1	166	166	11	317	166	4	23	85	67	187	1,357
Georgia.....	15	133	70	1	106	46	1	106	46	1	106	46	12	31	390
Idaho.....	2	486	156	7	614	56	5	106	116	3	163	12	9	62	355
Illinois.....	10	486	156	7	614	56	18	1,480	344	14	2,138	230	109	4,566	
Indiana.....															
Iowa.....															
Kansas.....															
Kentucky.....															
Louisiana.....															
Maine.....															
Maryland.....															
Massachusetts.....															



OFFERINGS AND REGISTRATIONS - HIGH-SCHOOL SUBJECTS 79

Michigan	6	280	538	25	288	1,352	33	263	1,261	182	1,520	6,341
Minnesota	4	200	63	10	269	1,242	4	247	68	82	611	2,127
Mississippi	4			2		42			249	16	25	2,289
Missouri	4			4		167	6	80		83	244	2,671
Montana	3			3	63	15	6	67	42	45	134	746
Nebraska	10	234	294	10			10	81	123	115	388	1,767
Nevada	1			1				23		2		6
New Hampshire				19	420	947	4	274	204	124	3,514	137
New Jersey	2	193	30	1		16	8	127	60	13	70	5,146
New Mexico	4	74	143	20	530	936	145	5,529	354	357	2,131	8,870
New York	5			2		89	2	89	18	6	56	102
North Carolina	2			2		70	2	29	18	160	164	2,415
North Dakota	50	1,791	46	50	997	1,784	117	3,695	1,619	328	1,728	10,486
Ohio	4	345		3	163	44	67	158	1,289	143	240	3,057
Oklahoma	1			1		123	3		207	43	136	1,145
Oregon	5	258		91	2,819	2,946	34	1,506	655	276	3,621	9,313
Pennsylvania	1	234	77	1		65	2	107		13	237	333
Rhode Island	1	26		1		5	5			19	115	312
South Carolina	3			3		103			116	100	179	1,744
South Dakota	4			4		171	1			43	107	1,023
Tennessee	2			13	15	580	3	109	184	107	344	4,330
Texas	3		30	4	14	292	2	31	38	13	175	577
Utah	3		406	4	69		4	111	184	16	184	350
Vermont	2			2			4	113	36	12	73	470
Virginia	1			10	148	200	28	614	859	111	483	4,037
Washington	1	18		5	41	111	8	186	207	36	84	1,014
West Virginia	4			8	161	366	4	116	207	43	242	1,926
Wisconsin	8			1			7	114	62	17	60	1,188
Wyoming	1											
Outlying parts of the United States												
Alaska										1	10	33
Canal Zone										1	15	102
Hawaii	1	17								1	8	133
Philippine Islands												
Puerto Rico												



TABLE 3.—OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS, EACH SUBJECT BEING REPORTED BY 15 OR MORE STATES, 1933-34—Continued

State or outlying part	General shop				Industrial arts				Mechanical drawing				Architectural drafting				Clay modeling, ceramics and pottery								
	Registrations in—		Number of schools reporting	Last 4 years of high school	Registrations in—		Number of schools reporting	Grades 7 and 8	Registrations in—		Number of schools reporting	Grades 7 and 8	Registrations in—		Number of schools reporting	Grades 7 and 8	Registrations in—		Number of schools reporting	Last 4 years of high school					
	Full-year courses	Half-year courses			Full-year courses	Half-year courses			Full-year courses	Half-year courses			Full-year courses	Half-year courses			Full-year courses	Half-year courses			Full-year courses	Half-year courses	Full-year courses	Half-year courses	
Continental United States	611,383,388	4,191,515,554	3,001	4,679,164,954,959	655,287,635	25,751	4,037,67,965	37,526	254,149	42,037	471	473	473	474	474	25	297	476	477	478	478	490	490	345	
Alabama	12	11	45	766	78	17	23	270	13	949	84	270	13	949	84	23	270	13	949	84	949	84	84	84	30
Arizona	61	61	22	365	16	108	16	382	63	382	63	382	63	382	63	1	382	63	382	63	382	63	63	63	30
Arkansas	1	80	19	656	36	36	14	39	127	398	62	39	127	398	62	9	39	127	398	62	398	62	62	62	30
California	1,424,363	2,873,839	63	7,523	7,881	13,925	2,332	1,822	4,147	19,988	2,024	378	1,822	4,147	19,988	11	378	1,822	4,147	19,988	2,024	2,024	2,024	396	
Colorado	8	839	68	4,638	475	2,779	94	862	310	1,074	508	36	862	310	1,074	11	36	862	310	1,074	508	508	508	101	
Connecticut	928	678	27	1,692	628	2,452	76	46	316	940	4	46	316	940	4	4	46	316	940	4	940	4	4	4	19
Delaware	518	518	17	1,174	297	838	144	6	429	72	635	8	6	429	72	635	8	6	429	72	635	635	635	30	
District of Columbia	383	114	7	1,980	774	764	190	8	245	780	251	8	245	780	251	8	8	245	780	251	780	780	780	30	
Florida	248	127	37	3,951	327	2,277	408	24	230	262	140	24	230	262	140	1	24	230	262	140	140	140	140	30	
Georgia	228	166	20	931	215	1,056	68	15	710	171	833	15	710	171	833	15	15	710	171	833	833	833	833	30	
Idaho	26	96	26	728	215	969	68	16	307	612	612	16	307	612	612	16	16	307	612	612	612	612	612	30	
Illinois	130	4,737	189	2,846	1,049	14,895	85	217	279	704	33,947	21	217	279	704	21	217	279	704	33,947	33,947	33,947	33,947	30	
Indiana	29	1,370	14	4,911	1,564	8,881	392	163	767	529	6,725	10	163	767	529	10	163	767	529	6,725	6,725	6,725	6,725	30	
Iowa	296	1,605	522	2,279	796	10,434	1,360	151	1,728	3,695	1,227	2	151	1,728	3,695	2	2	1,728	3,695	1,227	1,227	1,227	1,227	30	
Kansas	228	60	287	3,004	1,376	8,407	531	167	301	803	3,287	3	167	301	803	3	3	301	803	3,287	3,287	3,287	3,287	30	



OFFERINGS AND REGISTRATIONS—HIGH-SCHOOL SUBJECTS 81

Kentucky	38	1,471	280	1,950	35	30	401	43	1,901	224	215	370	72	1	140	46
Louisiana	14	789	60	983	744	25	368	170	788	678	6	232	4			
Maine	38	1,171	392	13,022	394	32	4,411	1,979	6,090	943			26			
Maryland	104	7,946	2,287	13,772	776	216	8,559	2,175	17,250	1,756			69			
Massachusetts	106	13,247	2,663	6,974	2,280	208	3,372	2,987	12,990	3,963	15		72	1		
Michigan	159	5,363	2,663	5,432	2,441	130	5,600	1,117	3,634	2,742	6		4			
Minnesota	158	6,390	1,900	4,428	94	7	329	307	4,689	114	1		13			
Mississippi	15	2,780	333	6,981	144	33	309	109	981	94						
Missouri	72	2,239	-21													
Montana	31	849	2,525	1,431		35	160	158	1,275	302						
Nebraska	120	1,070	6	1,115		6	188		1,564	38						
Nevada	8	1,520	6	1,616		21	188		1,849	1,263	4					12
New Hampshire	37	4,554	613	9,600	966	146	2,289	1,478	10,949	1,263	1					
New Jersey	87	4,164			10	10										
New Mexico	18	164														
New York	43	8,750	1,533	6,729	598	328	1,977	378	10,627	8,911	13		175	1		9
North Carolina	15	195		1,082	149	12	20	50	1,446	13	1		14			
North Dakota	16	175		214	97	24	199		244	244						
Ohio	707	15,950	3,623	27,471	1,936	377	8,503	4,182	24,155	3,174	11		67	1		24
Oklahoma	82	1,303	2,121	3,986	497	73	801	595	2,517	690			59			
Oregon	58	268	463	3,983	20	54	42	49	3,226	240						
Pennsylvania	268	36,241	3,447	36,488	2,570	209	26,778	4,085	34,890	3,753	5		311			21
Rhode Island	7	1,236	60	600		30	1,758	731	2,523	924	1		33			
South Carolina	15	130	96	900	172	10	49	409	172	172						
South Dakota	39	489	139	998	146	37		125	814	410						
Tennessee	41	1,193	373	2,743	65	24	90	898	1,280	85						
Texas	100	2,966	861	6,044	620	131	1,453	744	6,758	1,174	6		250			
Utah	37	960	228	2,261	972	26	67	26	978	397						
Vermont	8	161	341	241		15	88	88	303	26	1					
Virginia	31	2,445	197	2,135	244	20	367	270	1,746	95						
Washington	157	2,667	2,914	11,414	1,719	111	871	1,840	8,087	1,707	7		369			158
West Virginia	70	2,403	909	2,832	1,455	47	381	31	1,894	245						
Wisconsin	118	4,444	448	9,295	709	134	634	829	7,372	1,397	19		108			
Wyoming	18	540	1,254			10	167	104								
Outlying Parts of the United States																
Alaska	5	75	526	130	215	4	4	392	75	10						
Canal Zone	5					2										
Hawaii	5	75	526	130	215	13	393			496						
Philippine Islands	14	2,432	1,846	1,846	108	24	108		5,821	742						
Puerto Rico	14	2,432	1,846	1,846	108	24	108		61	61						
Virgin Islands	1					1										



TABLE 3.—OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS, EACH SUBJECT BEING REPORTED BY 15 OR MORE STATES, 1933-34—Continued

State or outlying part	Pattern making				Woodwork				Electrical work				Sheet metal and metal arts				Welding, foundry, and forge work			
	Registrations in—		Registrations in—		Registrations in—		Registrations in—		Registrations in—		Registrations in—		Registrations in—		Registrations in—		Registrations in—			
	Grades 7 and 8	Last 4 years of high school	Grades 7 and 8	Last 4 years of high school	Grades 7 and 8	Last 4 years of high school	Grades 7 and 8	Last 4 years of high school	Grades 7 and 8	Last 4 years of high school	Grades 7 and 8	Last 4 years of high school	Grades 7 and 8	Last 4 years of high school	Grades 7 and 8	Last 4 years of high school	Grades 7 and 8	Last 4 years of high school		
	Number of schools reporting	Full-year courses	Half-year courses	Number of schools reporting	Full-year courses	Half-year courses	Number of schools reporting	Full-year courses	Half-year courses	Number of schools reporting	Full-year courses	Half-year courses	Number of schools reporting	Full-year courses	Half-year courses	Number of schools reporting	Full-year courses	Half-year courses		
Continental United States.....	481	483	484	486	487	488	491	492	493	494	495	496	497	498	499	501	502	504	505	
Alabama.....	72	170	4,880	1,753	24,768	18,376	77,874	15,870	3,720	5,124	28,183	5,039	7,808	9,789	15,653	6,650	22,287	4,727	4,361	
Arizona.....				82			609	30			109				49					
Arkansas.....				6	217	410	9	126	36		26									
California.....		249	205	184	1,394	3,152	11,166	1,991	3,364	1,340	3,364	1,340	69	879	1,469	2,378	1,155	45	1,068	
Colorado.....				13	273	840	300	3	203		203		5		59	105	2	241	237	
Connecticut.....	1	146		9	441	114	1,355	85		319		3	240		655	2		431		
Delaware.....				1	764	213	286	90		51	104	8	380	116	129	74	1			
District of Columbia.....				2	52	107	107	30		79	30	1			30					
Florida.....				5	28	28	113			120		1		71						
Georgia.....				7			172													
Idaho.....	6	209	390	85	788	60	10,638	30		4,083		5			584	16		294	1,676	
Illinois.....	7	229	55	51	277	418	2,460	281		1,144	207	11	384	830	129	6		314	94	
Indiana.....				60	606	1,440	1,509	326		1,765	53	7	156	409	16	2		15	51	
Iowa.....				52	322	215	2,198	57		227	297	6	85	141	161	50		18		
Kansas.....																				



Kentucky	101	249	152	462	110	4	31	87	99	5	45	218	276	35	1	315
Louisiana	2		109	89	70	1								136		
Maine	3	119	114	93		3	87	69	69	2	109	69	69	45	3	1,097
Maryland	39	2,884	744	1,940	1,473	10	334	525	373	13	679	369	438			
Massachusetts	7	813	1,892	3,303	1,653	14	198	367	476	30	609	554	641	1,196	9	402
Michigan	52	590	631	2,098	1,134	22	289	475	392	31	174	496	268	520	7	70
Minnesota	21	432	120	1,783	64	3	105	146		7	80		334		1	28
Mississippi	8	12		349												
Missouri	20	162		1,117	108	2		313		2			86	62	3	242
Montana	8	278	141	84		2		11	11						1	49
Nebraska	43	1,324	2,041	4,487	1,701	10	375	1,721	90	24	316	894	2,122	934	1	12
New Hampshire	3			71												
New Jersey	114	1,632	1,342	4,619	118	67	611	4,203	21	39	686	140	1,145	3	4	141
New Mexico	3		50	175	64	1		25								
New York	90	3,535	979	6,294	3,119	20	80	2,221	273	39	1,332	1,055	1,593	517	2	66
North Carolina	15	110	101	1,886	82	5	90	785		7	94	481	328	70	9	324
North Dakota	10		22	404	38	1		1,477		4	16		281		2	526
Ohio	85	4,847	356	6,454	565	44	1,189	422	3,330	266	4,042	678	977	275		
Oklahoma	18	1,061	1,223	1,457	339	3	50	551	12	25	567	622	565	314		
Oregon	2		128			1		40		1		127	18			
Pennsylvania	10	23		505		1			22	1		170				
Rhode Island	2			334		1										
South Carolina	19	388	675	1,207	187	2	125	136		7	125	168	207	115	2	158
South Dakota	12	34	58	718	254	3	215	264	50	4		207	207	181	2	216
Tennessee	5	100	100	100		1				1	84	149				
Texas	6	190	233	207	14	6	123	149	90	11	69	937	268	402		
Utah	25	397	1,068	1,238	1,000	7		235	161	11						
Vermont	16	360	211	744		4	33	115	16	6	101	32	134	35		
Virginia	96	332	319	2,864	679	17	55	516	177	22	20	117	796	110	2	17
Washington	2	10	27	59		1		43		2		29	29			14
West Virginia																
Wisconsin																
Wyoming																
Outlying parts of the United States																
Canal Zone	2	48		101												
Hawaii	7	211	303	285	96	1		74		3		166	176	153	3	115
Philippine Islands	12			1,340	69	1				3			121			
Puerto Rico	10															
Virgin Islands	1		88	9	42											



TABLE 3.—OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS, EACH SUBJECT BEING REPORTED BY 15 OR MORE STATES, 1933-34—Continued

State or outlying part	Auto mechanics				Printing				Vocationally related subjects				Farm shop				Machine shop																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
	Registrations in—		Registrations in—		Registrations in—		Registrations in—		Registrations in—		Registrations in—		Registrations in—		Registrations in—		Registrations in—																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
	Number of schools reporting	Full-year course	Half-year course	Number of schools reporting	Full-year courses	Half-year courses	Number of schools reporting	Full-year courses	Half-year courses	Number of schools reporting	Full-year courses	Half-year courses	Number of schools reporting	Full-year courses	Half-year courses	Number of schools reporting	Full-year courses	Half-year courses																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Alabama	1	1,559	1,724	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000



Kentucky.....	3	26	81	150	214	178	194	72	104	5	213	97	198	254
Louisiana.....	1	4	277	1	277	62	36	269	61	1	1	61	1,492	
Maine.....	1		61			7	36			1			1,031	
Maryland.....	1		45			7	90			11	272		3,122	
Massachusetts.....	4		342	29	425	216	238			37	90	361	620	
Michigan.....	40	435	1,617	1,254	873	948	101	98		25	268	52	1,028	
Minnesota.....	17	22	354	529	312	345	37			4			179	
Missouri.....	7	32	223	51		620							141	
Montana.....	1		24			229				4	70	66		
Nebraska.....	6		523	25										
New Hampshire.....	4		92	10	127	183	38	2	101	10			371	
New Jersey.....	7	368	374	35	628	189	12	3	2,200	10		78	2,114	
New Mexico.....	1		76		987	21	15	14	23	1			52	
New York.....	1		76		789	21	20	122	4	20	46		4,778	
North Carolina.....	47	215	2,274	44	443	2,039	20	2	4	35	69		40	
North Dakota.....	18			3		41	86	5	64	24	140		1013	
Ohio.....	4		1,805	384	1,387	427	643	117	1,078	3			460	
Oklahoma.....	1		937		491	4,582				2			567	
Oregon.....	1		362			310			65	2			3,526	
Pennsylvania.....	20		1,646	6	1,247	2,288	53	29	763	39	877		201	
Rhode Island.....	1		53	12	801	670	112		51	10	429	546	722	
South Dakota.....	3		220	2		171				1			18	
Tennessee.....	9	11	43		40	263			90	7	68		243	
Texas.....	10	158	870	66	186	83	114		324	4	35		389	
Utah.....														
Virginia.....	5		509	4	35	175				31			264	
Washington.....	6		436	5	800	225				7			925	
West Virginia.....	7		282	8	47	387			14	3			171	
Wisconsin.....	21		742	15	76	904		20	68	21			880	
Wyoming.....	3		91	25	103			7	144	1			8	
Outlying parts of the United States.....	2													
Hawaii.....	1		17			31		17	965	1			20	
Philippine Islands.....	8		410											



86 OFFERINGS AND REGISTRATIONS—HIGH-SCHOOL SUBJECTS

TABLE 4.—OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS, EACH SUBJECT BEING REPORTED IN FEWER THAN 15 STATES, 1933-34

I.—LANGUAGES

States by language	Number of schools reporting	Registrations in full-year courses							Registrations in half-year courses	
		Grades		Last 4 years of high school				Un-designated		
		7th	8th	First	Second	Third	Fourth			
1	2	3	4	5	6	7	8	9	10	
<b>Bohemian:</b>										
Illinois.....	3			381	164					
Nebraska.....	1			2						
<b>Czechoslovakian:</b>										
Texas.....	4			51	38					
<b>Danish:</b>										
Minnesota.....	1			23						
<b>Greek.....</b>	13			214	142	63	8	69		
California.....	2			6	2		8			
Connecticut.....	1			17	12	9				
Massachusetts.....	2			102	69	24		15		
Michigan.....	1			17						
New Jersey.....	1			17						
New York.....	3			8						
Ohio.....	1			21	23	8		54		
Rhode Island.....	2			25	34	22				
<b>Hawaiian:</b>										
Hawaii.....	1			20						
<b>Hebrew:</b>										
Massachusetts.....	1							28		
Missouri.....	1							72		
<b>Italian.....</b>	92		149	8,531	2,331	796	107	1,490	149	
California.....	15		37	1,337	317	133	42	95		
Connecticut.....	5			391	137	18				
Illinois.....	7			253	115	31		329		
Louisiana.....	3			84						
Massachusetts.....	10			322	137	116	39	507		
New Jersey.....	21		112	1,495	878	245	7	319		
New York.....	17			898	450	189	19			
Ohio.....	1			45	40					
Pennsylvania.....	4			206	57			57		
Rhode Island.....	6			426	220	54		65	149	
Texas.....	2			74						
Wisconsin.....	1							118		
<b>Norse.....</b>	13			182	296			88		
Minnesota.....	5			162	182			88		
North Dakota.....	7			6	114					
Wisconsin.....	1			14						
<b>Polish.....</b>	11			598	310	19		75	120	
Illinois.....	6			344	163	19		75		
Michigan.....	2			156	78				120	
Wisconsin.....	3			98	69					
<b>Swedish:</b>										
Minnesota.....	5			318	216			104		



TABLE 4.—OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS, EACH SUBJECT BEING REPORTED IN FEWER THAN 15 STATES, 1933-34—Continued

II. OTHER SUBJECTS

States by subject	Number of schools reporting	Registration in			
		Grades 7 and 8		Last 4 years of high school	
		Full-year courses	Half-year courses	Full-year courses	Half-year courses
1	2	3	4	5	6
<b>Mathematics</b>					
History of mathematics					7
Kansas	1				
Shop mathematics				171	
Ohio	3				
Slide rule					127
Nebraska	1				
Surveying	8			20	425
California	2				78
Kentucky	2				59
Maryland	1				349
Minnesota	1			20	
Pennsylvania	2				30
Trade mathematics					
New York	3			1,062	
Agricultural shop mathematics	15			404	96
California	2			216	22
Kansas	1			20	
Minnesota	3			41	
Nebraska	2			15	22
North Dakota	5				82
Rhode Island	2			112	
Philippine Islands	6			245	
<b>Science</b>					
Applied sciences					
District of Columbia	1			32	
New York	1			143	
Agricultural economics	82			810	373
California	15			286	14
Maryland	1			9	
Michigan	38			187	517
Missouri	1			6	
Nebraska	1				16
Ohio	1				26
Wisconsin	25			322	
Agricultural marketing	22			224	155
California	1			8	
Montana	1			20	
North Dakota	5			70	18
Pennsylvania	9			81	101
Washington	3			45	
Wisconsin	3				36
Agricultural science	16			344	62
California	5			104	
Indiana	4			80	23
Iowa	1				19
Michigan	4			150	
Nebraska	2			10	20

1 Not included in totals.

TABLE 4.—OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS, EACH SUBJECT BEING REPORTED IN FEWER THAN 15 STATES, 1933-34—Continued

## II. OTHER SUBJECTS—Continued

States by subject	Number of schools reporting	Registrations in—			
		Grades 7 and 8		Last 4 years of high schools	
		Full-year courses	Half-year courses	Full-year courses	Half-year courses
1	2	3	4	5	6
<b>Science—Continued.</b>					
Agronomy.....	44			898	43
California.....	3			47	
Georgia.....	10			145	
Illinois.....	2			21	
Maryland.....	7			153	
Massachusetts.....	2			99	
Mississippi.....	2			24	
Montana.....	3			63	31
Nebraska.....	1			19	
Ohio.....	2			44	
Utah.....	12			283	12
Philippine Islands <sup>1</sup> .....	20			771	213
<b>Bacteriology:</b>					
Michigan.....	1				68
Utah.....	1				105
<b>Gold assaying:</b>					
California.....	1				21
<b>Home mechanics.....</b>					
	43	1,052	1,386	347	390
California.....	6		87	144	164
Colorado.....	3	317		35	26
Kansas.....	2	6		4	43
Massachusetts.....	1			16	
Michigan.....	14	501	962	27	16
Missouri.....	2	65	194	19	
Minnesota.....	3			11	96
Ohio.....	1				23
Nebraska.....	3	104		28	
New York.....	2	59			
Oklahoma.....	2			35	22
Virginia.....	1			20	
Wisconsin.....	3		143	10	
<b>Household science.....</b>					
	10	224	147	110	81
Massachusetts.....	1				34
Michigan.....	1		147		
Ohio.....	4	224		50	47
Pennsylvania.....	2			36	
Rhode Island.....	1			15	
West Virginia.....	1			9	
<b>Photography.....</b>					
	9			208	115
California.....	4			90	55
Colorado.....	1				42
Illinois.....	1			25	
New York.....	2			93	
Wisconsin.....	1				18
<b>Radio.....</b>					
	16			746	222
California.....	1			134	
Colorado.....	1				42
Illinois.....	3			155	
Kansas.....	2			10	69
Maine.....	1			20	
Massachusetts.....	1			122	
New York.....	1				59
Ohio.....	5			245	32
Oklahoma.....	1			69	
Hawaii <sup>1</sup> .....	1			63	

<sup>1</sup> Not included in totals.



TABLE 4.—OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS, EACH SUBJECT BEING REPORTED IN FEWER THAN 15 STATES, 1933-34—Continued

II. OTHER SUBJECTS—Continued

States by subject	Number of schools reporting	Registrations in—			
		Grades 7 and 8		Last 4 years of high schools	
		Full-year courses	Half-year courses	Full-year courses	Half-year courses
	2	3	4	5	6
<b>Science—Continued.</b>					
<b>Related science (HE)</b> .....	14			614	110
Kentucky.....	7			117	57
Maryland.....	2			36	
Massachusetts.....	1			18	
North Dakota.....	3			40	53
Ohio.....	1			403	
<b>Trade science:</b>					
Massachusetts.....	1			42	
New York.....	4			1,481	
<b>Civil service:</b>					
California.....	1			28	28
Massachusetts.....	1			21	
<b>Current events</b> .....	27	67	105	556	460
Alabama.....	2	67		42	
California.....	8			207	73
Connecticut.....	2			27	168
Illinois.....	2		105	84	
Iowa.....	1				13
Kansas.....	3			30	4
Maine.....	1			91	
Massachusetts.....	2			34	84
Michigan.....	1				44
Mississippi.....	1			10	
Montana.....	2			31	
Nebraska.....	1				15
Oklahoma.....	1				59
<b>Philippine Islands<sup>1</sup></b> .....	6			277	154
<b>Current history</b> .....	3			22	100
New Jersey.....	1				66
New Mexico.....	1			22	
Wisconsin.....	1				34
<b>Hebrew history:</b>					
Kansas.....	1			30	
<b>History of civilization and history of mankind</b> .....	16			853	
Iowa.....	2			58	
Louisiana.....	3			67	
New Hampshire.....	6			219	
New Jersey.....	3			450	
Texas.....	2			59	
<b>Latin-American history</b> .....	18			32	706
Arizona.....	1				65
California.....	4			32	68
Florida.....	1				181
Illinois.....	1				30
Kentucky.....	1				49
Michigan.....	1				28
Minnesota.....	1				40
Ohio.....	3				83
Texas.....	5				163
<b>Canal Zone<sup>1</sup></b> .....	1			52	
<b>Puerto Rico<sup>1</sup></b> .....	1				78

<sup>1</sup>Not included in totals.

90 OFFERINGS AND REGISTRATIONS—HIGH-SCHOOL SUBJECTS

TABLE 4.—OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS, EACH SUBJECT BEING REPORTED IN FEWER THAN 15 STATES, 1933-34—Continued

II. OTHER SUBJECTS—Continued

States by subject	Number of schools reporting	Registrations in—			
		Grades 7 and 8		Last 4 years of high schools	
		Full-year courses	Half-year courses	Full-year courses	Half-year courses
1	2	3	4	5	6
<b>Science—Continued.</b>					
Negro history.....	33			409	1,189
Alabama.....	4			109	484
Arkansas.....	1				5
Delaware.....	1			23	
Georgia.....	5			36	68
Kentucky.....	1				22
Maryland.....	1				63
Mississippi.....	2				75
Missouri.....	1				156
North Carolina.....	10			168	169
Texas.....	4			38	124
Virginia.....	1			21	
West Virginia.....	2			14	23
<b>Oriental history:</b>					
Ohio.....	1				33
Philippine Islands.....	46			287	6,543
<b>Pan-Pacific relations:</b>					
California.....	11			19	757
<b>Spanish history.....</b>					
	9				267
<b>State history:</b>					
Puerto Rico.....	10				267
Philippine Islands.....	57			6,332	2,426
<b>History of transportation:</b>					
California.....	1			23	
<b>World government:</b>					
Wisconsin.....	1			38	
<b>Health and physical education:</b>					
<b>Accident prevention:</b>					
Ohio.....	1			591	
<b>Alcohol (effects of):</b>					
California.....	1		103		
<b>Red Cross.....</b>					
	4			102	34
Illinois.....	2			80	22
Michigan.....	1				12
North Carolina.....	1			22	
<b>Industrial subjects:</b>					
<b>Aeronautics.....</b>					
	43			3,389	565
California.....	12			537	52
Illinois.....	6			150	140
Indiana.....	2			80	
Maryland.....	1				115
Massachusetts.....	2			667	
Michigan.....	4			744	119
Minnesota.....	1				11
New York.....	4			257	55
Ohio.....	6			390	
Oklahoma.....	2			51	
Oregon.....	1			513	
Washington.....	1				59
West Virginia.....	1				14



TABLE 4.—OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS, EACH SUBJECT BEING REPORTED IN FEWER THAN 15 STATES, 1933-34—Continued

II. OTHER SUBJECTS—Continued

States by subject	Number of schools reporting	Registrations in—			
		Grades 7 and 8		Last 4 years of high schools	
		Full-year courses	Half-year courses	Full-year courses	Half-year courses
1	2	3	4	5	6
<b>Industrial subjects—Continued.</b>					
<b>Banking</b> .....	12			164	402
California.....	1				7
District of Columbia.....	1			13	
Kansas.....	1				30
Kentucky.....	1				49
Maryland.....	1			10	
Massachusetts.....	2			141	
Michigan.....	1				46
New Jersey.....	1				80
Ohio.....	2				57
Pennsylvania.....	1				163
<b>Basketry:</b>					
Alabama.....	1	42		12	
California.....	5	71	87	53	157
<b>Beauty culture</b> .....	9		67	681	276
California.....	5		67	472	263
Minnesota.....	1			117	
Missouri.....	1			18	
New Mexico.....	1				13
Texas.....	1			74	
<b>Blacksmithing:</b>					
Kansas.....	1			40	
Oregon.....	1			383	
<b>Bookbinding</b> .....	10		727	209	376
Colorado.....	3			56	
Kentucky.....	1			35	
Massachusetts.....	1		727		363
Michigan.....	1				13
Minnesota.....	1			49	
New York.....	3			60	
<b>Brick and stone masonry</b> .....	12	29	48	843	
Arkansas.....	1			70	
District of Columbia.....	1			15	
Georgia.....	2		48	50	
Louisiana.....	2			486	
New York.....	1			36	
North Carolina.....	1			31	
South Carolina.....	2			103	
Virginia.....	1			52	
Wisconsin.....	1	29			
<b>Broommaking:</b>					
Texas.....	1				6
<b>Building construction (including house painting)</b> .....	14		152	956	164
California.....	2		17	110	
Indiana.....	2			17	48
Kansas.....	1			24	
Massachusetts.....	2			56	
Michigan.....	1			644	93
Minnesota.....	1			13	
Nebraska.....	1		70		
New Hampshire.....	1			8	
New York.....	1			54	
Pennsylvania.....	1			30	
Texas.....	1		65		23
<b>Philippine Islands<sup>1</sup></b> .....	5			354	

<sup>1</sup> Not included in totals.

TABLE 4.—OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS, EACH SUBJECT BEING REPORTED IN FEWER THAN 15 STATES, 1933-34—Continued

II. OTHER SUBJECTS—Continued

States by subject	Number of schools reporting	Registrations in—			
		Grades 7 and 8		Last 4 years of high schools	
		Full-year courses	Half-year courses	Full-year courses	Half-year courses
1		3	4	5	6
<b>Industrial subjects—Continued.</b>					
Chair caning:					
Alabama.....	1	36		11	
Citrus culture:					
Arizona.....	1			11	
Coal mining:					
West Virginia.....	2			29	
Commercial (exploratory).....	15	453	833	900	434
Connecticut.....	1		492		
Idaho.....	1			269	
Maryland.....	1			394	
Michigan.....	2			69	395
Missouri.....	1		72		
New Jersey.....	2			26	39
Pennsylvania.....	4	50	269	113	
Texas.....	3	403		29	
Dairying.....	48	16		687	251
California.....	4			72	
Indiana.....	12			236	20
Massachusetts.....	1				16
Missouri.....	3				46
Nebraska.....	2			8	56
New Jersey.....	2			17	
North Dakota.....	1				8
Ohio.....	1				13
Oklahoma.....	1			9	
Pennsylvania.....	16	16		279	12
Utah.....	1				27
Washington.....	3			66	36
Wisconsin.....	1				17
Forestry and nursery.....	10	38	72	99	
California.....	3			55	
Massachusetts.....	1			44	
Mississippi.....	6	38	72		
Industrial materials and processes.....	8			836	662
Massachusetts.....	2			75	457
Michigan.....	1				132
New Jersey.....	1			429	
New York.....	2			9	73
Ohio.....	2			323	
Jewelry.....	5	6		68	47
New Jersey.....	2	6		32	
New York.....	1			17	
Ohio.....	1			19	
Washington.....	1				47
Knitting:					
North Carolina.....	1			114	
Lace, embroidery, etc.:					
Philippine Islands.....	9			318	258



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TABLE 4.—OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS, EACH SUBJECT BEING REPORTED IN FEWER THAN 15 STATES, 1933-34—Continued

II. OTHER SUBJECTS—Continued

States by subject	Number of schools reporting	Registrations in—			
		Grades 7 and 8		Last 4 years of high schools	
		Full-year courses	Half-year courses	Full-year courses	Half-year courses
1	2	3	4	5	6
<b>Industrial subjects—Continued.</b>					
Landscape gardening.....	18	20		432	141
Arkansas.....	1	20			
California.....	12			365	84
Iowa.....	3			67	21
Pennsylvania.....	1				20
Texas.....	1				14
Lathe.....	7		4	130	58
Indiana.....	1			17	
Kansas.....	1			34	
Michigan.....	2				32
Oklahoma.....	1				13
Texas.....	1		4		14
West Virginia.....	1			79	
Laundry.....	9	65	102	136	172
Arkansas.....	1		102		
Florida.....	1	65			
Pennsylvania.....	3			32	39
Texas.....	3			75	133
West Virginia.....	1			29	
Leathercraft.....	15	35		235	274
California.....	8			145	113
Colorado.....	1			20	
Indiana.....	1			26	
Iowa.....	1				17
New Jersey.....	1			9	
New York.....	2	35		35	42
Utah.....	1				102
Millinery.....	29	197	115	1,365	922
California.....	12		52	326	749
Massachusetts.....	6	197	62	522	50
Michigan.....	1			33	
Missouri.....	1				34
New Jersey.....	2			79	
Ohio.....	2			37	64
Oregon.....	1			295	
Pennsylvania.....	1			19	
Texas.....	2			46	25
Washington.....	1			8	
Plumbing.....	11			319	711
California.....	1			57	
Illinois.....	1			13	
Maryland.....	1				711
New York.....	2			42	
Ohio.....	2			30	
Oregon.....	1			68	
Pennsylvania.....	3			109	
Refrigeration, air conditioning, heating and ventilation:					
Illinois.....	2			95	
Texas.....	1			9	

TABLE 4.—OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS, EACH SUBJECT BEING REPORTED IN FEWER THAN 15 STATES, 1933-34—Continued

II. OTHER SUBJECTS—Continued

States by subject	Number of schools reporting	Registrations in—			
		Grades 7 and 8		Last 4 years of high schools	
		Full-year courses	Half-year courses	Full-year courses	Half-year courses
1	2	3	4	5	6
<b>Industrial subjects—Continued</b>					
Rug making:					
Virgin Islands.....	1		35		
Shoe repairing.....	6		241	255	
Alabama.....	1			135	
District of Columbia.....	1			60	
Kentucky.....	2		181	41	
Michigan.....	1		51		
Oklahoma.....	1		9	19	
Sign painting:					
Ohio.....	2			24	37
Stone work:					
Indians.....	1			33	
Tailoring.....	6			302	64
Alabama.....	1			125	
Illinois.....	1			32	
Minnesota.....	1				31
New York.....	1			44	
Oregon.....	1				53
Texas.....	1			101	
Textile design:					
California.....	2			17	15
Upholstery.....	3			168	27
Alabama.....	1			125	
California.....	1			43	
Minnesota.....	1				27
Weaving:					
California.....	3		8	86	45
New York.....	1			10	
Miscellaneous:					
Auditorium.....	47	26,694	2,570	24,746	1,058
Alabama.....	1	178		242	
California.....	1		517		
Delaware.....	1	860		430	
Indians.....	1		304		
Iowa.....	1	277		170	
Michigan.....	10	5,216	1,356	2,738	890
New Jersey.....	1	1,395		679	
Oklahoma.....	1	39			
Pennsylvania.....	23	13,333		15,654	
Rhode Island.....	4	3,798		1,579	
Tennessee.....	1	688		254	
Texas.....	1		393		168
West Virginia.....	1	914			
Business living.....	4			135	232
Colorado.....	1			36	
Illinois.....	1				81
Michigan.....	1				96
Pennsylvania.....	1				55

<sup>a</sup> A assembly, mostly in Pittsburgh.



TABLE 4.—OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS, EACH SUBJECT BEING REPORTED IN FEWER THAN 15 STATES, 1933-34—Continued

II. OTHER SUBJECTS—Continued

States by subject	Number of schools reporting	Registrations in—			
		Grades 7 and 8		Last 4 years of high schools	
		Full-year courses	Half-year courses	Full-year courses	Half-year courses
1	2	3	4	5	6
<b>Miscellaneous—Continued</b>					
Field and farm work: Philippine Islands.....	15			237	
Education: Arkansas.....	1			40	
Etymology: Pennsylvania.....	1				69
Foreign opportunity: California.....	2	193			70
Guidance and girls' social problems.....	20			651	440
California.....	1				123
Colorado.....	3			12	31
Connecticut.....	1			37	
Georgia.....	2				42
Illinois.....	1				7
Iowa.....	1				22
Kentucky.....	1				63
Nebraska.....	5			17	68
New York.....	3			240	39
Washington.....	2			345	45
<b>Grammar.....</b>	<b>138</b>			<b>653</b>	<b>3,410</b>
California.....	2			55	37
New Hampshire.....	1			9	
New Jersey.....	4				243
New Mexico.....	1				20
New York.....	66			339	2,371
North Carolina.....	1			29	
North Dakota.....	54			28	621
Ohio.....	1			32	
Oklahoma.....	3			45	77
Pennsylvania.....	2			106	
Washington.....	2				61
West Virginia.....	1			10	
<b>How to study:</b>					
Ohio.....	3			134	25
<b>Lip reading:</b>					
California.....	1				262
<b>Motion-picture appreciation:</b>					
California.....	1				18
<b>Orientation.....</b>	<b>16</b>			<b>495</b>	<b>738</b>
California.....	3			332	56
Delaware.....	1				82
Nebraska.....	8			44	160
New York.....	1				40
Ohio.....	1			110	
Oregon.....	1				23
Pennsylvania.....	1				377
<b>Reviews.....</b>	<b>2</b>			<b>30</b>	<b>66</b>
Arkansas.....	1			30	
California.....	1				66

TABLE 4.—OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS, EACH SUBJECT BEING REPORTED IN FEWER THAN 15 STATES, 1933-34—Continued

## II. OTHER SUBJECTS—Continued

States by subject	Number of schools reporting	Registrations in—			
		Grades 7 and 8		Last 4 years of high schools	
		Full-year courses	Half-year courses	Full-year courses	Half-year courses
1	2	3	4	5	6
<b>Miscellaneous—Continued.</b>					
Special help:					
Wisconsin.....	1	87			
Social arts:					
California.....	10	612		323	314
Teacher training.....	300			3,808	1,213
Arkansas.....	2			50	
Iowa.....	114			785	1,106
Kansas.....	28			213	60
Louisiana.....	2			9	1
Mississippi.....	1			15	
Missouri.....	1			47	
Nebraska.....	142			2,511	46
New Jersey.....	2			10	
Wisconsin.....	4			90	
Wyoming.....	4			69	