

OFFERINGS AND REGISTRATIONS IN HIGH-SCHOOL SUBJECTS

1933-34

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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.

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 1928.¹ 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-

¹ 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.

cially 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.² 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

²The 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.³ 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,

³ 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 eight-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.⁴ 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

⁴ 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		329,099		519,251		673,762		778,143		1,165,498		2,155,069		2,694,639		4,498,514	
English literature	70,411	34.69	112,203	33.80	199,803	38.48	329,860	48.98	422,051	54.23	680,671	58.43	1,066,928	78.59	2,004,633	93.09	4,071,094	90.54
Latin	11,858	5.84	18,960	5.76	215,613	41.54	335,248	49.77	421,993	54.23	600,613	51.55	1,066,928	78.59	2,004,633	93.09	4,071,094	90.54
French	21,328	10.51	30,801	9.36	40,286	7.73	62,130	9.14	78,161	10.04	102,516	8.80	323,162	14.85	624,862	23.19	771,200	17.15
German					74,408	14.33	137,061	20.20	178,083	22.88	284,204	24.35	392,718	18.13	624,862	23.19	771,200	17.15
Italian									4,020	0.67	31,763	2.72	94,544	4.34	273,552	10.14	500,238	11.34
Algebra	92,180	45.40	186,066	56.54	262,267	50.51	360,583	53.51	428,207	54.90	599,215	51.40	865,615	39.70	1,020,223	37.86	1,367,219	30.41
Geometry	45,294	22.33	65,762	20.00	142,265	27.39	191,266	28.39	228,170	29.19	309,263	26.54	459,815	21.28	678,673	24.85	767,171	17.06
Trigonometry																		
Astronomy																		
Physics	45,194	22.25	76,720	23.29	99,846	19.23	108,430	16.08	107,969	13.88	165,854	14.23	192,260	8.74	266,655	9.90	361,483	8.26
Chemistry	20,803	10.25	32,020	9.73	40,084	7.72	45,989	6.83	50,928	6.55	66,051	5.67	100,415	4.63	168,402	6.24	261,928	5.83
Physical geography																		
Zoology																		
Botany																		
Biology																		
Geology																		
Psychology																		
Hygiene and sanitation																		
General science																		
American history																		
English history																		
Ancient history																		
Medieval and modern history																		
World history	55,427	27.31	120,201	36.53	198,128	38.16	277,864	41.24	408,794	52.53	599,067	51.40	871,362	39.99	1,261,794	46.81	2,014,915	44.83
Civil government																		
Community government																		
Sociology																		

Economics	24,418	68,678	7.17	103,640	4.80	147,036	4.08	221,874	4.98
Problems of democracy	27,003	100,370	12.09	110,243	8.11	20,200	1.04	184,821	2.46
Agriculture		130,156	11.17	245,083	14.37	477,448	2.09	731,077	2.85
Science economics		80,816	8.43	270,517	11.36	284,204	13.28	693,134	16.72
Industrial subjects				191,031	8.00	231,031	10.37	443,008	9.85
Bookkeeping				221,024	12.08	430,379	12.17	746,316	18.09
Shorthand				31,083	1.47	201,267	6.09	230,098	4.91
Typewriting				19,611	1.70	76,434	2.04	144,343	3.51
Commercial arithmetic				24,616	1.70	140,246	4.04	178,408	4.57
Commercial law				8,207	0.80	6,231	0.18	8,614	0.22
Commercial geography				28,037	1.79	21,647	0.78	11,668	0.30
Commercial history				7,721	0.80	48,948	1.41	74,073	1.60
Penmanship									
Office practice									
Elementary business training									
Drawing and art		205,402	23.67	317,035	14.75	59,030	2.09	275,336	6.12
Music		367,188	31.60	644,764	28.37	650,379	18.03	669,394	18.33
Physical education				131,608	8.73	754,245	20.04	1,148,732	26.54
						483,300	13.03	2,277,776	50.00

* 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
Continental United States.....	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	18.4	2.0	2.7	10.6	11.5	7.1	12.8
California.....	73.7	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.....	97.5	16.7	20.0	12.2	22.2	17.2	2.8	8.2	6.2	.....	12.3	.....	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	1.3	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	20.0	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	28.3	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	20.4	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	22.8	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	.....	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	.....	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	12.7	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	1.3	13.9	1.6	6.9	12.2	12.5	2.7	12.4
Missouri.....	92.2	10.9	4.3	4.8	22.2	22.8	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	15.3	2.9	2.8	20.1	21.8	7.4	8.1	12.9	2.4	14.9	2.3	11.3	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	8.4	4.1	17.4	1.3	12.9	2.4	21.9	23.3	7.8	13.9
Nevada.....	83.8	21.1	4.2	2.6	24.9	19.8	8.0	7.9	22.0	1.3	11.7	2.4	21.9	23.3	7.8	13.9
New Hampshire.....	92.7	14.2	22.3	8.3	22.5	14.6	8.5	9.8	8.6	1.4	8.5	2.4	72.7	15.4	1.2	13.1
New Jersey.....	91.8	15.8	19.3	8.3	27.3	13.5	6.6	6.9	21.6	1.3	14.5	2.4	21.9	23.3	7.8	13.9
New Mexico.....	84.8	8.9	15.7	40.0	20.4	21.8	6.6	8.7	17.3	1.3	12.6	2.4	21.9	23.3	7.8	13.9
New York.....	84.2	12.8	11.9	1.3	17.5	9.5	2.5	4.0	9.9	1.2	6.4	1.0	27.4	21.9	7.8	13.9
North Carolina.....	94.6	14.7	25.1	1.1	22.9	14.6	7.0	4.8	24.3	6.1	21.3	2.2	27.4	21.9	7.8	13.9
North Dakota.....	93.8	10.2	2.3	1.3	27.2	12.1	4.1	8.1	21.3	6.9	21.1	4.9	27.7	21.9	7.8	13.9
Ohio.....	93.9	15.5	9.3	3.1	27.4	15.1	6.5	8.8	21.1	9.3	16.8	1.7	27.1	21.9	7.8	13.9
Oklahoma.....	93.1	8.5	2.1	8.3	26.1	22.7	2.3	4.0	20.7	9.3	16.0	1.7	27.1	21.9	7.8	13.9
Oregon.....	90.9	11.0	8.3	7.1	28.0	14.7	4.5	8.8	19.4	4	17.0	2.9	26.8	21.9	7.8	13.9
Pennsylvania.....	94.0	25.6	16.4	4.0	26.0	20.2	7.4	10.3	26.6	5.8	18.0	2.8	26.8	21.9	7.8	13.9
Rhode Island.....	93.5	20.8	22.9	2.9	26.1	14.2	6.4	9.9	26.3	1.1	10.9	2.8	26.8	21.9	7.8	13.9
South Carolina.....	93.9	17.3	21.0	1.0	25.8	19.3	4.3	8.8	23.7	4.1	17.2	2.4	26.8	21.9	7.8	13.9
South Dakota.....	97.3	15.3	2.6	1.0	25.4	21.7	6.2	8.9	23.2	2.2	14.0	2.8	26.8	21.9	7.8	13.9
Tennessee.....	94.0	18.7	12.8	2.8	25.6	21.8	3.9	9.0	18.7	2.9	13.3	1.1	26.4	21.9	7.8	13.9
Texas.....	94.2	9.9	1.4	27.8	40.5	22.9	4.3	6.8	16.9	2.1	10.7	2.3	26.4	21.9	7.8	13.9
Utah.....	93.3	3.3	4.0	4.7	23.0	17.8	7.2	8.0	10.1	1.1	17.4	7.5	26.4	21.9	7.8	13.9
Vermont.....	93.3	23.8	20.9	4.9	22.9	17.8	7.2	11.6	13.2	1.7	16.0	1.8	27.7	21.9	7.8	13.9
Virginia.....	93.8	19.4	11.3	6.1	43.7	16.4	2.1	10.0	21.2	2.4	19.7	1.1	26.8	21.9	7.8	13.9
Washington.....	96.8	11.1	9.9	7.7	27.4	18.9	7.8	11.3	18.9	7	13.4	1.1	26.8	21.9	7.8	13.9
West Virginia.....	97.3	12.5	9.4	1.7	23.8	14.6	3.1	10.5	21.9	2.4	23.4	1.3	26.8	21.9	7.8	13.9
Wisconsin.....	95.0	11.5	4.1	1.4	23.3	20.6	10.5	8.3	21.9	3	23.4	1.7	26.8	21.9	7.8	13.9
Wyoming.....	85.0	17.2	2.7	17.3	28.1	21.0	5.8	7.5	18.3	3	11.5	1.5	26.8	21.9	7.8	13.9
Outlying parts of the United States.....																
Alaska.....	91.4	16.2	9.8	12.1	26.3	23.3	12.0	9.6	14.1	6	20.6		11.5	23.3		16.2
Canal Zone.....	85.7	11.0	8.4	43.5	24.6	24.6	3.0	4.3	8.4		11.6		31.4	23.3		15.7
Guam.....	85.5				20.2	10.1	13.4	38.9			22.9			23.3		
Hawaii.....	93.8	4.4	8.9	2.8	12.2	6.7	2.9	6.6	18.0		29.5		29.7	31.6	7.2	22.6
Philippine Islands.....	93.2	1	1.0	1.3	40.0	20.2	18.5		22.4		17.7	1	49.9	1.4	9.2	6.6
Puerto Rico.....	90.9	1.9	7.2	90.0	27.4	23.2	3.8	9.7	24.9		14.9		8.5	8	4	22.6
Virgin Islands.....	90.2			25.6	32.0	9.6		12.8	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	1.7	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	1.9	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	2.4	17.0	1.0	3.2	5.5	1.7	3.0	3.1	6.5	22.1	6.0	2.2	2.3	1.3	24.4	23.9
Civil government	21.5	3.4	3.5	19.2	1.9	10.3	4.7	4.0	6.1	7.3	9.0	23.1	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
Commonwealth government	7.9	10.7	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
Government	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	2.1	15.1	37.2
Industrial subjects	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	1.8	9.0	8.6
Commercial geography	23.9	6.7	3.1	20.3	3.0	6.9	8.9	9.5	10.6	6.7	7.0	31.0	4.8	3.0	3.1	1.6	4.0	4.0
Commercial law	6.3	7.2	9.8	16.9	8.8	8.3	6.7	1.2	5.8	9.8	13.2	18.4	4.8	2.9	3.4	7.8	5.5	3.4
Commercial arithmetic	17.9	2.9	3.0	20.9	1.7	8.9	7.5	2.9	8.0	7.2	7.8	13.2	6.3	5.5	2.2	2.2	15.3	21.5
Elementary business training	17.0	3.0	3.9	22.8	3.1	9.6	9.9	7.7	13.8	11.5	8.3	17.0	4.4	5.0	2.2	4.5	13.9	12.0
Typewriting	10.1	4.4	3.6	16.9	3.5	9.6	13.2	5.5	5.9	9.5	7.2	20.7	3.1	3.3	7.5	3.0	17.9	6.5
Short-hand	13.1	9.6	8.4	15.9	7.7	11.4	8.0	4.0	5.2	5.3	7.2	20.7	3.1	6.7	4.6	3.0	17.9	7.4
Book-keeping	12.1	2.8	7.6	16.4	3.3	7.7	5.8	4.0	4.3	5.3	5.4	8.4	1.9	1.7	2.8	3.0	7.5	6.9
Economics	7.3	13.1	8.0	19.3	3.6	12.5	4.7	6	4.9	7.4	4.6	6.8	1.9	3.3	1.1	7.0	7.5	3.4
Sociology	13.0	8.4	9.4	16.9	7.2	17.3	3.9	3	1.3	10.9	9.1	16.7	7.9	11.2	3.9	3.4	30.8	8.0
Civil government	5.5	8.7	5.7	20.3	2.7	12.5	4.0	2.2	4.2	18.7	13.6	22.1	7.8	7.0	4.7	8.8	13.0	30.2
Community government	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
American history	14.0	3.3	3.5	20.9	4.9	8.3	2.6	4.5	4.8	7.8	10.0	13.1	14.1	2.2	2.3	6.1	14.8	10.2
Medieval and modern history	51.4	1.3	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	2.1	2.1
Ancient history	18.8	1.7	2.0	21.9	7.4	17.1	5.3	2.2	3.6	3.5	8.5	16.6	1.3	2.8	3.0	2.3	9.9	1.5
World history	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	11.2	8.7	11.2	8.6	11.4	12.8	11.7	18.5	6.9	3.9	1.3	5.6	14.3	12.1
New Jersey.....	11.1	8.1	6.1	14.7	1.3	7.1	1.3	8.2	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	7.4	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	2	8.6	2.8	2	1.5	5.9	5.2	8.5	5.3	6.3	2.3	2.9	6.1	11.4
North Carolina.....	10.6	9.2	3.3	19.4	1.0	24.6	2.8	4.4	1.8	1.9	2.3	4.6	3.9	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	5.9	5.5	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	6.2	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	1.8	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	13.7	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	11.2	10.9	13.0	10.2	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.....	8.2	13.5	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	10.2	16.2	4.3	10.2	19.4	6.7	7.9	25.0	3.3	1.5	2.5	3.7	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	3.9	6.0	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	5.3	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	1.1	1.1	8.7	13.2	19.7
Central Zone.....	23.5			24.6	9.5				8.4	10.0	12.8	14.7		8.0	4.3		13.1	21.9
Guam.....	22.9			9.5														
Hawaii.....	12.3			11.1	6.5	1.1	12.2	2.8	8.4	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	28.4	11.9	15.8	14.0		7.3	1.7		10.1	11.3
Virgin Islands.....	32.0		24.8	63.2													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								
1	2	3	4	5	6	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	478,090	496,923	1,284,790	1,000,032	864,589	595,039	202,091	5,018,204	12,323		
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	632	628	2,792	2,904	2,769	1,820	233	12,278	40		
Arkansas	203	13,834	203	34,322	293	47,866	7,091	6,433	9,633	7,233	5,843	4,549	1,186	41,978	119		
California	154	79,816	456	293,026	457	342,841	40,228	20,868	70,504	64,091	44,081	16,205	8,891	380,088	1,433		
Colorado	76	14,289	211	44,346	315	58,565	7,380	6,859	12,354	8,553	6,868	4,064	5,965	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	1,697	2,366	2,004	1,266	1,000	200	10,584	.....	
District of Columbia	16	11,090	24	19,583	24	30,673	4,416	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	6,267	250	56,464	170		
Georgia	23	7,910	276	37,168	276	45,075	4,013	3,897	12,979	8,382	7,607	5,721	1,196	43,756	.....	
Idaho	16	4,371	137	23,790	128	28,070	1,901	2,370	7,491	6,075	5,104	3,468	.....	26,399	.....	
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	481		
Indiana	343	31,140	638	142,312	645	172,452	15,933	15,207	28,871	33,595	27,746	15,041	7,183	183,246	615		
Iowa	169	21,503	960	122,276	969	146,778	10,607	10,896	34,800	30,822	26,782	16,677	1,368	131,981	2,415		
Kansas	108	19,333	555	87,063	563	106,406	9,848	9,495	28,262	20,375	17,866	8,760	4,985	89,281	.....	
Kentucky	141	14,766	473	65,201	474	70,017	7,766	6,980	17,537	13,670	10,913	8,708	1,894	67,488	41		
Louisiana	4	617	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	1,960	7,968	6,901	6,050	4,943	332	30,314	.....	
Maryland	48	18,084	196	53,062	196	71,146	8,945	9,139	15,002	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	590	191,031	568	202,223	32,266	52,694	49,670	40,784	24,525	2,565	231,339	1,315
Minnesota.....	124	27,314	542	120,943	542	148,267	14,650	32,730	26,780	26,146	22,764	2,009	140,762	1,108
Mississippi.....	86	4,981	287	32,909	287	32,870	8,767	8,767	6,924	5,760	4,616	39	32,047	130
Missouri.....	96	16,699	691	68,794	692	115,463	5,749	27,568	28,609	23,951	13,492	300	108,879	.....
Montana.....	26	2,645	109	24,517	163	27,162	1,280	7,271	6,073	5,468	3,332	.....	24,777	.....
Nebraska.....	61	7,801	496	61,669	502	69,370	3,789	16,931	13,136	11,789	6,453	4,280	60,390	.....
Nevada.....	1	20	26	2,722	26	2,959	112	8,816	12,807	11,789	235	.....	2,633	.....
New Hampshire.....	44	5,618	94	8,688	104	24,308	2,768	5,319	4,592	4,009	3,262	45	22,945	.....
New Jersey.....	72	27,699	212	177,946	212	203,084	13,946	55,833	45,542	35,677	28,646	281	192,728	320
New Mexico.....	10	1,837	108	13,082	108	14,894	13,873	3,564	3,088	2,474	1,362	690	12,875	29
New York.....	256	62,554	781	494,390	782	638,924	28,303	75,916	50,901	41,268	24,914	212,827	490,380	1,466
North Carolina.....	17	3,066	447	35,833	447	89,499	3,018	28,344	21,641	17,309	13,794	260	84,906	.....
North Dakota.....	26	2,006	487	30,943	488	33,001	984	8,483	8,370	7,017	5,197	.....	30,973	110
Ohio.....	628	62,006	1,280	323,734	1,283	418,240	45,844	93,281	84,692	68,864	43,742	3,610	366,515	355
Oklahoma.....	98	20,473	608	88,008	608	108,481	9,991	27,368	22,273	18,453	13,473	3,168	102,218	194
Oregon.....	13	2,340	221	48,330	223	50,670	1,311	12,421	11,026	9,567	7,867	3,167	44,068	164
Pennsylvania.....	343	122,838	922	370,661	924	493,599	61,831	120,066	96,920	79,890	63,538	230	485,655	287
Rhode Island.....	22	13,960	37	22,834	37	30,424	6,537	7,636	6,180	4,576	3,614	47	35,628	.....
South Carolina.....	6	1,106	184	31,772	184	32,878	1,106	10,633	8,280	6,177	4,196	.....	31,922	.....
South Dakota.....	23	3,945	261	27,621	261	30,766	1,644	8,450	8,964	6,089	5,323	.....	30,028	.....
Tennessee.....	28	10,120	365	62,638	365	62,758	4,968	17,698	13,109	10,863	8,610	.....	60,400	299
Texas.....	81	27,713	849	161,639	850	189,352	15,213	47,245	42,078	35,066	27,498	22	129,712	281
Utah.....	37	7,913	86	30,631	89	38,564	4,092	7,734	8,402	7,456	4,783	87	36,375	150
Vermont.....	30	2,899	77	11,082	77	13,981	1,473	3,303	2,924	2,508	1,894	.....	13,598	.....
Virginia.....	31	9,655	365	68,515	365	78,170	6,365	22,965	16,543	14,160	10,651	.....	73,874	38
Washington.....	53	17,248	307	90,153	307	107,401	9,036	24,840	22,405	18,618	12,056	.....	94,167	335
West Virginia.....	133	18,337	264	62,881	265	71,218	8,541	15,833	14,439	11,474	9,063	.....	69,776	32
Wisconsin.....	83	20,863	477	180,697	478	191,069	9,947	38,860	34,758	31,071	21,169	41	144,256	243
Wyoming.....	24	2,271	72	11,803	74	13,774	1,072	3,096	2,787	2,363	1,511	.....	12,038	13
Outlying parts of the United States.....														
Alaska.....	2	155	13	907	13	1,062	83	259	244	210	116	.....	984	.....
Canal Zone.....	1	194	2	773	2	967	98	248	188	192	112	.....	934	.....
Guam.....	1	162	1	179	1	341	84	65	41	17	15	.....	315	.....
Hawaii.....	14	7,051	20	9,175	20	16,226	3,226	3,240	2,201	1,904	1,099	24	16,119	.....
Philippine Islands.....			102	51,185	102	51,185	.....	15,127	12,234	11,044	10,833	.....	49,238	.....
Puerto Rico.....			23	7,760	23	7,760	.....	2,663	2,111	1,286	983	.....	7,043	.....
Virgin Islands.....	1	193	1	125	1	318	63	40	31	33	20	.....	317	.....

1 Number of schools reporting English same as column 6.
 2 129 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			Un-designated	Total				
		7	8	First	Second	Third						Fourth	First				Second	Third	Fourth	
1	17	16	19	20	21	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	22,304	57,186	721,017	19,372	6,146	2,329	9,911	228,371	163,194	44,370	7,209	494,206	6,242	
Alabama.....	85	33	338	2,040	1,541	377	109	698	5,035	145	107	297	1,061	1,158	271	111	1,097	4,605	55	
Arizona.....	19	.....	.....	1,193	1,145	44	7	59	448	.....	5	.....	.....	.....	.....	18	110	210	.....
Arkansas.....	147	.....	.....	2,562	1,630	121	74	668	5,425	53	53	.....	932	83	20	20	96	1,562	.....
California.....	323	68	130	11,085	7,099	1,254	359	1,087	21,052	233	233	413	8,887	6,373	2,129	543	1,787	19,811	1,124	
Colorado.....	143	.....	.....	4,082	2,449	1,252	110	415	7,859	19	19	164	6,060	361	91	12	113	1,401	108
Connecticut.....	93	.....	.....	4,794	3,266	1,373	629	944	11,206	80	87	.....	6,000	1,979	241	.....	1,241	14,920	.....
Delaware.....	25	.....	.....	905	726	97	4	.....	1,722	119	22	.....	713	92	.....	.....	.....	1,341	83
District of Columbia.....	19	.....	.....	542	1,648	303	115	635	4,424	29	25	.....	867	1,922	273	98	873	4,795	.....
Florida.....	112	.....	.....	3,128	2,190	322	95	449	7,536	199	37	.....	970	729	35	35	241	1,992	7
Georgia.....	218	.....	.....	4,204	2,824	358	123	1,990	9,580	201	172	.....	3,971	2,450	28	9	1,240	7,991	51
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	1,992	31,970	145	75	.....	3,995	3,344	419	108	225	8,102	95
Iowa.....	437	.....	.....	5,894	4,053	868	204	1,065	14,833	171	60	.....	1,957	1,109	74	.....	262	3,402	.....
Kansas.....	351	.....	.....	7,371	3,928	363	157	763	11,567	63	42	.....	1,950	1,433	21	12	187	1,573	13
Kentucky.....	260	.....	.....	5,235	3,340	528	245	1,153	10,817	115	127	.....	3,147	1,649	220	12	330	4,808	.....
Louisiana.....	80	.....	.....	2,209	1,438	277	108	.....	4,120	.....	95	.....	2,942	1,642	289	76	121	4,920	.....
Maine.....	143	.....	.....	2,877	1,457	733	228	365	5,517	.....	150	.....	240	4,234	2,314	990	135	8,595	53
Maryland.....	123	.....	.....	2,286	5,328	734	446	2,459	15,269	.....	140	.....	5,048	4,967	784	24	71	10,844	37
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	33,387	617	188	45	94	7,903	5,353	604	190	365	14,544	286
Minnesota	332			6,281	4,922	309	140	1,612	13,265	94	104		17	2,305	2,205	266	27	961	5,944	16
Mississippi	180			2,068	1,200	208	106	2,945	3,830	50	50			2,802	1,670	302	45	29	1,192	116
Missouri	176			5,083	4,690	490	220	181	10,023	126	54		96	1,933	1,070	302	45	117	4,183	
Montana	66			2,292	1,319	88	20	20	3,780	20	31			635		10			988	
Nebraska	388			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	34,972	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			2,655	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	30,903	618
Oklahoma	129			3,889	2,886	241	144	297	7,457		24			14,872	726	1,120	68	22	1,808	
Oregon	92			3,101	1,814	308	84	5,307			49			1,368	837	306	41		2,550	28
Pennsylvania	907			39,301	26,728	6,635	3,699	14,788	92,878	3,239	601	163	163	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	28		3,591	1,926	63		699	7,077	519
South Carolina	86			2,326	1,748	443	180	556	5,689		150			4,080	2,065			544	6,818	
South Dakota	146	71	78	2,444	1,681	30	30	157	4,361		30			397	230	37	14	57	6,738	
Tennessee	200			4,166	3,316	578	406	1,088	9,700	263	177			2,515	2,331	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	53
Utah	11			1,188	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	13,684	281	191			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	566	166	298	8,734	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	1,239	179	97	2,035	5,300	
Wyoming	41			981	749	71	18	162	1,981		9			199	103			9	5,311	
<i>Outlying parts of the United States</i>																				
Alaska	9			85	53				138		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				Number of schools reporting	Grades	Registrations in full-year courses				Registrations in half-year courses	Number of schools reporting	Grades 7 and 8		Last 4 years of high school																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	Last 4 years of high school		Undesignated		Total		Last 4 years of high school				Undesignated		Total				Full-year courses	Half-year courses	Full-year courses	Half-year courses																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
	7	8	First	Second	Third	Fourth	Undesignated	Total	7	8	First	Second	Third	Fourth	Undesignated	Total	Full-year courses	Half-year courses	Full-year courses	Half-year courses																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
1	87	88	66	41	48	48	44	44	46	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	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	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	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	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221	1222	1223	1224	1225	1226	1227	1228	1229	1230	1231	1232	1233	1234	1235	1236	1237	1238	1239	1240	1241	1242	1243	1244	1245	1246	1247	1248	1249	1250	1251	1252	1253	1254	1255	1256	1257	1258	1259	1260	1261	1262	1263	1264	1265	1266	1267	1268	1269	1270	1271	1272	1273	1274	1275	1276	1277	1278	1279	1280	1281	1282	1283	1284	1285	1286	1287	1288	1289	1290	1291	1292	1293	1294	1295	1296	1297	1298	1299	1300	1301	1302	1303	1304	1305	1306	1307	1308

Kentucky	15	38	753	371	90	204	1,550	2	78	314	15	124	3	323	290
Louisiana	29	4	3,023	1,650	404	157	3,553	3	159	28	11	104	1	223	280
Maine	4	4	3,376	1,104	18	8	3,071	2	1,012	773	158	1,943	6	663	343
Maryland	3	1	147	99	149	855	943	1,004	65	1,892	389	6,110	7	663	343
Massachusetts	66	196	4,478	2,490	855	149	9,493	1,004	65	1,892	389	6,110	7	663	343
Michigan	20	47	1,968	963	16	358	3,014	61	1,501	861	60	2,722	128	11	696
Minnesota	14	1	1,489	500	79	358	1,436	11	2,231	1,635	53	4,917	10	8	284
Mississippi	20	48	412	234	88	88	1,794	11	909	824	153	2,000	2	80	110
Missouri	48	48	2,267	1,781	234	88	4,702	36	1,068	48	56	2,000	2	80	110
Montana	26	2	888	1,368	131	1	1,337	6	793	394	48	2,000	2	80	110
Nebraska	29	1	1,065	503	75	367	2,041	28	142	110	13	1,509	1	26	545
Nevada	19	1	477	191	30	102	688	4	162	82	43	1,509	1	26	545
New Hampshire	79	1	8,372	4,826	1,088	84	14,472	67	4,894	3,208	1,191	9,417	41	9	26
New Jersey	98	1	2,644	1,664	255	66	5,073	156	22	19	20	89	41	9	26
New Mexico	98	1	2,644	1,664	255	66	5,073	156	22	19	20	89	41	9	26
New York	63	1	3,445	2,239	769	16	6,527	16	4,894	3,208	1,191	9,417	41	9	26
North Carolina	11	1	516	439	17	58	922	1	437	199	109	713	1	26	545
North Dakota	1	1	82	19	1	100	100	1	437	199	109	713	1	26	545
Ohio	107	36	4,969	3,631	474	100	10,131	60	4,101	3,293	626	9,690	2	73	60
Oklahoma	142	1	4,373	2,690	81	12	7,339	3	82	43	14	139	2	175	250
Oregon	43	1	1,946	1,022	324	100	3,411	10	535	341	84	1,033	1	66	914
Pennsylvania	127	6	7,213	4,233	612	70	14,779	168	6,367	3,868	778	13,627	21	86	914
Rhode Island	1	1	490	136	38	3	661	6	326	305	100	631	2	26	72
South Carolina	1	1	15	15	1	1	30	1	315	231	1	545	1	26	72
South Dakota	6	1	121	148	1	1	269	14	315	231	1	545	1	26	72
Tennessee	28	118	1,038	729	47	26	1,967	137	62	42	15	104	1	66	914
Texas	644	192	23,570	14,533	1,737	267	45,365	573	353	254	56	742	1	26	72
Utah	16	70	70	457	107	618	1,104	4	101	56	66	253	1	26	72
Vermont	2	1	64	39	11	1	104	1	22	19	1	41	1	26	72
Virginia	24	72	1,830	1,260	143	57	3,517	62	128	68	8	204	18	3	145
Washington	78	1	3,805	2,276	481	189	6,894	186	1,082	772	113	2,945	120	4	688
West Virginia	11	1	296	205	24	1	570	1	21	14	1	35	1	23	8
Wisconsin	14	1	422	235	15	1,186	1,570	108	2,947	1,160	104	3,777	44	1	23
Wyoming	43	1	1,184	713	24	66	1,982	1	15	15	1	15	1	23	8
Outlying parts of the United States															
Alaska	6	2	73	37	84	51	110								
Canal Zone	2	105	106	86	24	171	518								
Hawaii	2	77	60	24	84	171	255								
Philippine Islands	9	1	521	143	13	677	677								
Puerto Rico	23	1	2,657	2,038	1,407	870	6,972								
Virgin Islands	1	1	10	17	5	52	52								

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	339,688	11,188	763	943	900	29,333	12,305	241	5,333	1,318	9,484	9,303	2,157	2,124	1,697	69,394	23,799	14	544
Alabama.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Arizona.....	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Arkansas.....	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
California.....	169	25	24	3,766	2,223	206	7	7,378	3,655	29	192	2,397	1,041	181	181	201	116	5,165	4,021	1	1	1
Colorado.....	16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Connecticut.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Delaware.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
District of Columbia.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Florida.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Georgia.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
I Idaho.....	13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Illinois.....	49	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Indiana.....	43	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
I Iowa.....	30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
K Kansas.....	53	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

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	367					10	649	155
Maine		41		3	77						3	156	5
Maryland	1	47									9	2,000	1,004
Massachusetts	2												
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											2	17	17
Missouri	15	488	81	15	455	454	1				82	2,273	973
Montana	23	350	112	5	118	96	1	53			27	2,476	216
Nebraska	25	471	389	29	1,392	515	5	102	37	305	54	607	1,227
Nevada											5	103	
New Hampshire													
New Jersey	10	219	61	5	166	56	3	161	17	153	23	2,507	888
New Mexico	3	20	26	1	12						8	57	44
New York	20	208	304	43	942	586	19	129	243	1,049	73	3,164	1,265
North Carolina	3	82	30	2	41		1		12		4	145	
North Dakota	44	145	616	2	80						60	254	755
Ohio	57	2,141	532	30	1,286	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	7				48	598	2,194
Pennsylvania	17	374	119	9	686	44					56	6,009	910
Rhode Island	1	58		3	300	267					4	1,760	
South Carolina					462	209							
South Dakota	20	267	232	5	33	44	1			303	31	70	675
Tennessee											3	469	
Texas	20	1,019	179	15	14	230	1				78	2,892	769
Utah	5	178	55	8	227	85	2	21			60	1,086	84
Vermont					10		2	219					
Virginia	3	25	90	2	225		1		20		13	735	84
Washington	47	2,132	363	26	1,957	607	1				82	1,477	1,313
West Virginia	17	239	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				22				
									87				

Michigan.....	2	56	3	207	373	13	808	57	239	18	263	244	204	75
Minnesota.....	2	33	3	577	282	6	275	50	30	5	163	220	264	97
Mississippi.....						6	159	422		2	42	422		
Missouri.....			1	20	237	4	26	99		3	222	60		
Montana.....			1	64	15	3	50			1	86			
Nebraska.....	2	15	90		8	14	785	405	4	14	456	405	126	108
Nevada.....						1								
New Hampshire.....						2	40	205	651		202	462	735	40
New Jersey.....	1	12		236	20	3			54	2				
New Mexico.....						1	21							
New York.....	2	33	9	3,000	18	26	3,475	1,529	7	23	3,068	1,268		267
North Carolina.....						3			64	32	1			32
North Dakota.....	3	41		71	37	12	638	150	67	6	678	180		979
Ohio.....	1	23		323	11	11	390	244		8	220	185		
Oklahoma.....						6								
Oregon.....	2	73		632	86	34				570	52	420	261	62
Pennsylvania.....						1								
Rhode Island.....						2								
South Carolina.....						1								
South Dakota.....						1				16				
Tennessee.....						4	29	126	103	2	25	231		
Texas.....	4		26	680	164	4	70		26	1				
Utah.....	3		116	95		1	116			1		86		7
Vermont.....						3			17	7				
Virginia.....	1		140		17	3	533	50	195	3	172	80	54	
Washington.....	3	145	3	442	204	24	217	864	1,187	861	828	1,020	14	916
West Virginia.....	1	14				5	1,049	31	30	7	1,298	128		7
Wisconsin.....	2	33				2				52	64	31		52
Wyoming.....						4	119	208						
Outlying parts of the United States.....														
Philippine Islands.....													37	626
Puerto Rico.....													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—	
		Last 4 years of high school			Last 4 years of high school	
		Grades 7 and 8	Half-year courses		Grades 7 and 8	Half-year courses
Continental United States	119	3,334	1,397	9,391	8,395	5,405
Alabama	1					
Arizona	106	166	116	113	114	115
Arkansas						
California						
Colorado	2	105	17	15	15	9
Delaware	1					
Florida						
Idaho						
Illinois						
Indiana						
Iowa	20	298	443	145	17	173
Kansas	15	451	223		19	18
Kentucky	6	70	108		164	13
Louisiana	1					
Maine	2	63				
Maryland	2	70			27	17
Massachusetts					266	9
Michigan					169	73
Minnesota	7	121	123			
Missouri	1					
Montana	1	103	6			
				753	10	77
				216	87	25
					11	15
				239	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	37	354	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	4	532	348	13
Texas.....	4	250	365	196	624
Utah.....	1	.....	.....	.....	.....
Virginia.....	9	91	.....	91	28
Washington.....	1	.....	.....	.....	13
West Virginia.....	16	.....	.....	657	613
Wisconsin.....	1	.....	.....	.....	.....
Alaska.....	1	.....	.....	15	.....
Hawaii.....	3	.....	.....	41	.....
Outlying parts of the United States.....	.....	.....	.....	.....	.....

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	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	
116	117	119	119	129	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150						
5,884	616,683	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	209	8,832	311	209	8,832	311						
Alabama	15,563	64	1,278	129	36	492	448	268	90	12,809	289	141	4,432	1,104	14,518	664,967	14,068	209	8,832	311	209	8,832	311	209	8,832	311				
Arizona	10	885	30	30	4	166	38	52	22	2,698	22	22	4,476	1,153	14,518	664,967	14,068	209	8,832	311	209	8,832	311	209	8,832	311				
Arkansas	182	10,857	77	294	93	631	1,224	287	64	9,013	95	207	3,453	1,143	14,518	664,967	14,068	209	8,832	311	209	8,832	311	209	8,832	311				
California	169	57,356	7,761	2,190	30	1,439	62	437	194	37,428	2,516	248	7,849	1,525	14,518	664,967	14,068	209	8,832	311	209	8,832	311	209	8,832	311				
Colorado	55	12,344	465	61	22	496	108	199	11	10,322	125	85	1,763	621	14,518	664,967	14,068	209	8,832	311	209	8,832	311	209	8,832	311				
Connecticut	25	8,596	481	61	8	744	744	95	11,846	11,846	11,846	66	3,673	137	14,518	664,967	14,068	209	8,832	311	209	8,832	311	209	8,832	311				
Delaware	16	2,681	111	61	9	544	51	23	1,301	1,301	1,301	15	781	60	14,518	664,967	14,068	209	8,832	311	209	8,832	311	209	8,832	311				
District of Columbia	12	4,528	1,773	72	11	368	31	22	164	468	2,956	12	1,047	468	14,518	664,967	14,068	209	8,832	311	209	8,832	311	209	8,832	311				
Florida	123	17,423	262	262	11	368	31	22	164	468	2,956	12	1,047	468	14,518	664,967	14,068	209	8,832	311	209	8,832	311	209	8,832	311				
Georgia	88	2,826	2,206	1,072	115	1,626	1,092	266	121	10,980	337	249	7,966	831	14,518	664,967	14,068	209	8,832	311	209	8,832	311	209	8,832	311				
I Idaho	11	2,178	10	10	12	91	124	127	6,286	6,286	6,286	37	100	424	14,518	664,967	14,068	209	8,832	311	209	8,832	311	209	8,832	311				
Illinois	96	11,419	1,464	1,351	12	91	124	127	6,286	6,286	6,286	37	100	424	14,518	664,967	14,068	209	8,832	311	209	8,832	311	209	8,832	311				
Indiana	324	16,396	2,575	2,016	145	2,694	1,154	620	76,800	4,563	463	403	2,532	11,577	14,518	664,967	14,068	209	8,832	311	209	8,832	311	209	8,832	311				
Iowa	234	12,741	374	2,016	289	519	6,963	920	31,000	587	447	265	1,428	5,239	14,518	664,967	14,068	209	8,832	311	209	8,832	311	209	8,832	311				
Kansas	131	12,781	640	1,670	50	719	447	535	21,214	105	105	162	1,463	7,797	14,518	664,967	14,068	209	8,832	311	209	8,832	311	209	8,832	311				
Kentucky	205	11,245	21	864	108	1,387	1,918	458	16,118	36	36	308	5,580	2,541	14,518	664,967	14,068	209	8,832	311	209	8,832	311	209	8,832	311				
Louisiana	178	77	6,963	31	16	480	179	153	10,863	599	111	99	2,683	1,139	14,518	664,967	14,068	209	8,832	311	209	8,832	311	209	8,832	311				
Maine	54	2,868	1,042	2,277	24	768	427	183	5,200	600	2,403	111	2,403	1,162	14,518	664,967	14,068	209	8,832	311	209	8,832	311	209	8,832	311				
Maryland	39	8,807	1,042	2,277	24	768	427	183	5,200	600	2,403	111	2,403	1,162	14,518	664,967	14,068	209	8,832	311	209	8,832	311	209	8,832	311				
Massachusetts	180	40,578	2,838	3,456	24	3,443	154	320	1,301	80,872	1,324	186	9,734	4,427	14,518	664,967	14,068	209	8,832	311	209	8,832	311	209	8,832	311				

OFFERINGS AND REGISTRATIONS—HIGH-SCHOOL SUBJECTS 47

Michigan	251	41,809	4,961	3,405	1,064	56	2,765	1,089	576	40,890	5,661	237	2,971	4,836	514	27,231	1,219	
Minnesota	90	19,601	1,020	290	321	0	2,278	1,131	459	21,062	4,410	231	4,206	4,836	442	18,395	475	
Mississippi	106	3,068	534	342	167	167	1,347	2,222	269	8,653	6	204	4,024	76	227	5,548	57	
Missouri	113	9,496	387	342	241	241	1,344	4,636	555	24,354	514	358	1,708	5,217	822	15,968	654	
Montana	12	1,342	17	91	8	8	381	91	149	6,141	30	52	2,008	730	142	4,826	24	
Nebraska	79	4,846	479	273	317	154	296	2,364	439	15,468	155	284	2,076	3,297	425	12,261	100	
Nevada	1	1	10	27	23	2	792	79	23	792	24	11	160	26	24	4,465	30	
New Hampshire	29	2,857	119	167	82	2	80	483	70	3,065	78	49	773	251	79	12,279	80	
New Jersey	94	22,603	320	289	228	15	584	483	204	31,689	1,711	152	11,817	2,952	155	19,442	980	
New Mexico	9	421	63	12	14	14	42	141	94	3,246	30	30	400	198	88	2,641	13	
New York	189	25,285	1,428	845	121	22	590	42	705	64,956	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	13,537	12,797	401	13,009	1,036	395	11,604	362	
North Dakota	74	1,487	33	922	41	41	86	687	330	7,698	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	73,382	771	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	565	319	2,069	4,357	594	18,760	88	
Oregon	39	2,068	824	166	166	29	477	320	132	11,128	69	51	659	999	132	6,371	23	
Pennsylvania	337	62,932	1,564	2,724	300	98	2,892	1,100	973	101,009	756	757	38,025	4,746	834	69,901	762	
Rhode Island	15	6,381	1,271	1,066	6	6	1,088	2,792	37	3,837	302	19	2,287	215	21	2,707	210	
South Carolina	102	6,601	22	1,056	174	66	658	2,792	174	5,414	4,636	170	7,043	945	170	5,849	188	
South Dakota	23	1,952	150	139	233	19	54	2,777	233	8,615	76	76	312	823	197	5,517	...	
Tennessee	60	6,511	239	465	465	73	582	774	356	17,913	56	340	9,985	250	254	9,957	...	
Texas	162	19,954	263	2,620	1,169	348	1,544	6,539	825	47,067	432	762	30,941	1,615	757	31,651	372	
Utah	49	2,437	354	311	74	9	311	75	74	5,671	52	18	620	60	60	8,374	...	
Vermont	39	2,437	202	202	8	8	149	52	73	2,747	47	52	857	47	64	1,698	...	
Virginia	146	3,544	120	551	5,066	125	1,763	3,437	346	10,792	8,253	321	11,103	1,148	313	9,441	311	
Washington	45	14,364	1,084	137	661	12	191	165	280	19,957	1,605	101	1,248	1,895	228	14,220	1,123	
West Virginia	192	14,681	2,103	110	110	65	2,187	255	235	10,543	82	82	1,220	1,801	186	6,939	20	
Wisconsin	70	9,026	2,835	394	394	10	445	40	434	29,427	482	156	2,198	2,231	415	24,807	224	
Wyoming	20	1,290	91	158	67	10	158	53	67	2,718	31	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	Full-year courses	Half-year courses	Full-year courses	Half-year courses
1	125	126	127	128	129	140	141	142	143	144	145	146	147	148		
Continental United States.....	4,410	13,826	74,310	9,724	59,124	1,953	53	530	1,953	2,126	146,249	2,795	115,724	17,592		
Alabama.....	80	167	1,165	95	424	.....	.....	.....	.....	54	3,205	.....	159	78
Arizona.....	12	23	214	38	90	.....	.....	.....	.....	6	133	.....	226	.....	
Arkansas.....	41	114	516	60	200	.....	.....	.....	.....	25	3,087	.....	34	34
California.....	174	387	2,377	536	3,608	.....	.....	.....	.....	153	7,029	1,128	9,246	1,450
Colorado.....	56	75	513	62	602	.....	.....	.....	.....	30	1,700	.....	795	257
Connecticut.....	53	170	895	80	1,023	.....	.....	.....	.....	43	2,906	.....	2,400	53
Delaware.....	17	43	217	38	140	.....	.....	.....	.....	8	247	.....	67	13
District of Columbia.....	6	.....	229	110	269	.....	.....	.....	.....	5	3,973	.....	151	.....	
Florida.....	51	189	654	85	455	.....	.....	.....	.....	32	1,399	.....	413	225
Georgia.....	70	338	762	10	41	.....	.....	.....	.....	20	1,233	.....	1,670	146
Idaho.....	35	105	280	149	83	.....	.....	.....	.....	14	880	.....	237	25
Illinois.....	337	607	6,902	754	2,766	.....	.....	.....	.....	29	1,270	.....	1,856	260
Indiana.....	201	564	3,578	150	529	.....	.....	.....	.....	71	2,424	.....	4,306	544
Iowa.....	104	137	1,726	.....	.....	.....	.....	.....	.....	17	1,903	.....	463	80
Kansas.....	107	516	1,644	.....	.....	.....	.....	.....	.....	33	2,594	.....	1,068	283
Kentucky.....	51	122	685	108	415	.....	.....	.....	.....	24	476	.....	1,165	260
Louisiana.....	13	119	348	23	207	.....	.....	.....	.....	16	707	.....	1,148	.....	
Maine.....	49	556	.....	41	480	.....	.....	.....	.....	38	542	.....	1,019	131
Maryland.....	37	227	865	1,736	900	.....	.....	.....	.....	68	2,778	.....	1,489	.....	
Massachusetts.....	143	1,099	2,304	1,542	2,654	.....	.....	.....	.....	132	12,216	.....	9,319	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	19	15
South Dakota.....	40	56	397	11		145				9	172	225	
Tennessee.....	112	200	1,237	8	148	637				6	1,534	2,629	23
Texas.....	265	941	4,058	149	1,024	3,157				32	5,600	2,527	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—																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
		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	149	149	151	153	153	146	145	146	157	156	160	161	163	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	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	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	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 51

Michigan.....	8	143	88	396	292	31,519	4,834	19,072	2,894	63	217	56	1,327	1,102	78	337	1,064	577	1,543
Minnesota.....	4	116	.....	.....	494	6,305	1,428	28,697	142	20	41	.....	1,464	300	10	.....	.....	278	521
Mississippi.....	3	90	14	.....	218	6,060	61	25	146	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	.....	968	.....	1	.....	.....	.....	.....	1	.....	.....	12	.....
New Hampshire.....	1	.....	.....	.....	54	4,430	423	1,052	.....	14	23	.....	270	.....	5	77	.....	100	.....
New Jersey.....	5	.....	.....	.....	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 ¹	5	325	403	.....	536	22,323	3,488	46,700	1,078	180	180	.....	6,054	923	6	555	.....	75	72
North Carolina.....	2	153	.....	.....	409	309	.....	20,816	96	184	69	.....	4,288	923	7	.....	.....	69	145
North Dakota.....	2	46	.....	.....	276	368	.....	7,125	96	125	.....	.....	365	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	1,600	110	2,900	855	2,905	2,601
Oklahoma.....	2	111	.....	.....	486	6,094	2,252	15,120	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	.....	.....	.....	30	11,170	690	5,773	96	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	9,783	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	.....	1,570	98	9	.....	.....	177	14	7	18	36	39	165
Virginia.....	1	.....	.....	.....	320	3,013	80	14,016	513	32	175	.....	2,088	239	3	296	.....	14	50
Washington.....	2	144	.....	.....	246	5,027	2,741	16,446	194	15	.....	.....	64	612	18	590	.....	237	765
West Virginia.....	3	1,161	.....	.....	238	6,628	11,259	20	.....	53	83	.....	276	1,013	13	907	.....	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	.....	1,878	.....	3	.....	.....	11	28	7	97	.....	.....	62
Outlying parts of the United States	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Alaska.....	1	.....	.....	.....	6	.....	.....	137	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Canal Zone.....	1	.....	.....	.....	1	.....	.....	65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hawaii.....	1	297	.....	.....	18	4,453	262	963	59	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Philippine Islands.....	.....	.....	.....	.....	93	.....	.....	10,431	1,033	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
Puerto Rico.....	.....	.....	.....	.....	23	.....	.....	2,708	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Virgin Islands.....	.....	.....	.....	.....	1	.....	.....	40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	36

¹ 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	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—		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		Full-year courses	Half-year courses
1	189	179	171	177	173	174	175	176	177	178	179	180	181	182	183	184	185	186
Continental United States.....	11,288	694,594	21,686	367	28,053	15,922	345	16,897	19,378	6,683	334,968	5,161	8,467	276,836	5,162	2,612	2,669	
Alabama.....	201	9,070	63	5	42	67	1	18		166	6,453	16	131	3,744	7			
Arizona.....	36	2,312		6	35		1	18		40	1,269		28	690		1		28
Arkansas.....	198	6,422	246	39	2,663	112	12	681	15	43	1,368	1,039	206	524	14	5	63	31
California.....	308	32,965	790	3	23	46	1		21	288	19,380	32	118	2,469	83	8	151	388
Colorado.....	113	6,345	107							119	6,112							
Connecticut.....	71	11,347	83	1		88				67	6,656		63	4,436		3		280
Delaware.....	21	1,768	31							15	656		9	885				
District of Columbia.....	7	2,265	339	1		182	1	165		8	1,812		7	749				
Florida.....	113	6,602	43	4	70	43	2	17	50	75	2,868		65	1,969				
Georgia.....	214	7,618	45	4		318	1	138		84	3,323		83	1,707	10			
Idaho.....	92	4,635	46	1	208		2	201		61	2,622		69	1,806				
Illinois.....	505	28,397	454	173	7,668	6,167	169	9,091	3,809	261	20,552	841	571	24,461		2	64	263
Indiana.....	481	27,188	1,063	52	3,909	261	11	1,020	30	126	6,976	111	284	6,886		4		
Iowa.....	478	11,674	8,447	19	210	272	6	28	264	70	3,213	257	733	16,248		2		109
Kansas.....	278	10,706	8,431	12	535	157	1	40		71	3,845		223	6,083				
Kentucky.....	291	8,625	120	14	473	360	13	24	380	54	2,651	39	103	2,975		3	62	20
Louisiana.....	190	7,471	79							162	4,639	122	33	3,877				
Maine.....	89	2,128	187	11	57	166	2	322	69	89	3,294		88	2,207		1		94
Maryland.....	143	10,900	18	2	86		3			107	6,043		82	5,600				
Massachusetts.....	183	21,482	39	13	812	479	5	472	39	190	19,027	153	180	13,989		4	187	189

Michigan.....	413	20,520	2,109	29	619	1,080	18	607	588	322	20,434	942	322	10,866	560	3	163
Minnesota.....	467	22,341	148	370	644	1,173	2	2	53	341	12,133	942	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	13	73
Missouri.....	231	14,128	170	6	491	15	9	860	15	79	4,368	106	163	4,868	61	6	73
Montana.....	85	3,654	170	1	20	20	1	20	64	84	1,986	106	90	1,813	83	120	
Nebraska.....	264	7,315	454	39	86	770	1	1	69	88	2,408	106	266	5,102	83	1	
Nevada.....	8	319	19	1	64	340	4	59	312	10	214	106	9	1,137	1	1	
New Hampshire.....	40	1,748	430	4	54	340	4	59	312	50	1,835	246	54	1,583	197	1	
New Jersey.....	199	25,292	430	4	340	340	4	59	312	147	11,963	246	145	11,504	24	1	
New Mexico.....	55	1,743	38	1	1	1	1	1	1	26	1,131	106	34	1,844	24	1	
New York.....	356	30,765	173	3	41	63	2	3	12	461	19,328	7	480	16,804	36	1	
North Carolina.....	412	18,280	173	6	76	42	2	30	12	104	4,120	7	288	6,012	36	1	
North Dakota.....	210	6,629	278	6	76	42	2	30	12	89	2,496	648	66	1,238	84	1	
Ohio.....	862	63,975	278	26	1,840	1,633	14	734	511	555	26,411	129	705	21,983	101	6	508
Oklahoma.....	415	13,899	145	4	35	104	3	3	201	53	3,482	106	118	2,917	10	7	51
Oregon.....	141	8,130	56	25	257	412	3	3	224	82	2,816	106	68	2,080	14	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	19	1	19	19	1	1	10	18	2,267	106	15	1,472	14	1	
South Carolina.....	142	5,478	36	1	104	104	1	1	44	55	1,844	106	54	1,379	14	3	25
South Dakota.....	122	3,817	36	3	104	104	1	1	44	56	1,813	106	96	1,696	14	3	25
Tennessee.....	195	6,898	95	2	19	56	3	3	224	82	2,816	106	68	2,080	14	1	30
Texas.....	453	17,074	215	5	871	727	4	378	2,659	250	10,835	104	305	8,616	95	1	30
Utah.....	60	5,373	164	19	545	727	17	443	564	33	2,458	104	30	1,477	22	3	297
Vermont.....	46	1,771	302	2	20	20	1	29	46	46	1,282	106	36	1,779	22	1	
Virginia.....	276	13,188	302	2	20	20	1	29	46	228	6,660	163	45	1,342	127	1	
Washington.....	198	11,884	173	26	3,102	333	12	1,334	219	173	10,180	28	166	7,045	88	8	128
West Virginia.....	195	13,680	126	6	124	31	1	31	170	170	5,502	28	77	1,637	146	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	106	30	13,066	20	5	
Outlying parts of the United States.....																	
Alaska.....	11	186								5	87		8	113		1	3
Canal Zone.....	2	90								1	23		1	23		1	
Guam.....	1	41								1	83		1	83		1	
Hawaii.....	18	2,709								9	609		8	268		1	108
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	Grades 7 and 8		Last 4 years of high school		Num-ber of schools re- porting	Grades 7 and 8		Last 4 years of high school		Num-ber of schools re- porting	Grades 7 and 8		Last 4 years of high school		Num-ber of schools re- porting	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		
1	197	106	199	199	194	198	196	196	194	197	186	199	200	201	203	203	204	204	204	203	203	204	204	204	
Continental United States	14,915	321,695	38,476	698,799	62,799	643	1,689	2,468	2,166	17,897	1,634	1,349	17,711	4,303	9,767	15,223	5,826	513,366	22,823	9,767	15,223	5,826	513,366	22,823	
Alabama	270	4,795	94	8,904	309	1	60	60	60	242	75	242	267	267	204	193	94	8,424	178	204	193	94	8,424	178	
Arizona	63	198	55	2,760	118	1	16	16	16	16	23	23	190	22	36	60	60	1,124	178	36	60	60	1,124	178	
Arkansas	269	5,185	64	6,435	172	13	208	160	160	160	23	23	23	23	214	214	50	6,679	178	214	214	50	6,679	178	
California	350	10,026	4,475	39,982	4,809	18	54	33	33	1,007	5	5	209	45	273	400	781	28,443	2,689	273	400	781	28,443	2,689	
Colorado	171	2,323	124	6,928	1,887	3	54	33	33	11	5	5	45	78	157	157	157	9,533	178	157	157	157	9,533	178	
Connecticut	80	4,685	10,744	362	362	3	3	3	3	3	3	3	3	3	54	509	509	8,085	268	54	509	509	8,085	268	
Delaware	22	1,326	1,873	23	23	2	2	2	2	2	2	2	2	2	13	400	400	6,006	268	13	400	400	6,006	268	
District of Columbia	19	7,033	1,187	4,876	23	2	2	2	2	2	2	2	2	2	10	23	23	345	268	10	23	23	345	268	
Florida	145	8,305	20	4,247	2,363	9	9	9	9	9	9	9	9	9	93	936	936	1,441	268	93	936	936	1,441	268	
Georgia	212	2,434	6,397	5,397	5,397	33	33	33	33	33	33	33	33	33	102	102	102	4,568	268	102	102	102	4,568	268	
Idaho	116	1,093	161	3,608	1,235	2	2	2	2	2	2	2	2	2	54	509	509	8,085	268	54	509	509	8,085	268	
Illinois	721	4,962	48,424	6,739	6,739	21	21	21	21	21	21	21	21	21	108	108	108	8,266	501	108	108	108	8,266	501	
Indiana	633	5,975	20,374	313	313	21	21	21	21	21	21	21	21	21	13	400	400	6,006	268	13	400	400	6,006	268	
Iowa	767	6,197	378	22,604	5,952	3	3	3	3	3	3	3	3	3	10	23	23	345	268	10	23	23	345	268	
Kansas	472	4,968	1,031	14,644	58	3	3	3	3	3	3	3	3	3	93	936	936	1,441	268	93	936	936	1,441	268	
Kentucky	373	2,080	685	9,320	560	10	44	120	16	16	15	15	15	15	54	509	509	8,085	268	54	509	509	8,085	268	
Louisiana	205	434	266	6,044	615	74	74	74	74	74	74	74	74	74	13	400	400	6,006	268	13	400	400	6,006	268	
Mississippi	128	1,855	266	4,198	1,092	3	3	3	3	3	3	3	3	3	10	23	23	345	268	10	23	23	345	268	
Maryland	161	15,024	863	8,369	46	8	8	8	8	8	8	8	8	8	106	106	106	1,991	268	106	106	106	1,991	268	
Massachusetts	331	35,665	4,619	36,578	1,619	30	328	171	1,103	61	30	328	171	1,103	123	1,038	681	9,368	689	123	1,038	681	9,368	689	

Michigan.....	509	20,461	2,914	22,116	4,608	3	13	313					10	468	51	436	1,021	208	24,458	1,943
Minnesota.....	509	10,351	280	22,594	2,786	1	1	130					8	85	422	274			16,262	490
Mississippi.....	286	1,192	95	5,194	2,226	1							2	18		208		16	12,775	43
Missouri.....	420	3,089	6	20,784	830	88	43		11	1,913			2	15	173	455	213		15,593	
Montana.....	131	3,287	31	3,571	1,328	4				92			1	17		119			4,443	
Nebraska.....	363	2,162	1,168	11,872	71								5	15	109	267	288	229	11,330	766
Nevada.....	23			2,327	206								1	27		14			3,046	
New Hampshire.....	94	4,387	20	2,094	32								4	187		78	640		3,046	
New Jersey.....	208	16,508	3,056	17,068	3,295								4	108	22	145			15,055	1,589
New Mexico.....	85	401		1,594	716	10			16	163			2	53	53	57			1,379	
New York ^a	687	13,700	298	32,598	201								19	404	170	193	329		8,398	383
North Carolina.....	366	13,570		16,465	2,314								12	441	39	196	114		9,020	37
North Dakota.....	319	543		6,051	715	4		373					2	63		231			5,621	
Ohio.....	980	30,221	2,415	35,483	14,706	33			12	81			26	408	145	531	97	30	49,419	2,413
Oklahoma.....	496	4,321	1,188	19,880	455	366		16	1,249	11,231			123	2,232	164	107			5,696	2,216
Oregon.....	176	656		10,447	314								22	777	404	163			5,018	56
Pennsylvania.....	908	54,607	4,054	57,645	2,314								7	635	189	793	4,401	980	60,663	1,792
Rhode Island.....	30	4,868		8,200	961								34	833	33	54	523		1,438	
South Carolina.....	213	282		4,748	655								34	69		10			2,434	28
South Dakota.....	206	632	189	4,794	1,783								16	140	117	133			4,070	
Tennessee.....	261	3,231	15	6,105	2,321	2		115					10	278	643	29			907	189
Texas.....	715	5,431	953	32,535	354	34	1,066	967	17	458			114	2,364		191	2,142		12,041	199
Utah.....	78	2,844	270	6,094	354	3			35	100			2	34		68			6,756	231
Vermont.....	59	934		1,574	65	1	13						2	375	187	24	73		512	
Virginia.....	351	2,788	1,327	12,304	926								15	375	187	232	234	665	8,528	3,827
Washington.....	249	3,078	1,944	13,310	7,389								4	45	34	188			14,736	218
West Virginia.....	218	5,470	464	11,487	141	7	231	106	36	67			5	146	220	192	60	205	8,922	170
Wisconsin.....	429	3,189	796	27,717	528	1	1			185			9	165	107	201		247	11,307	
Wyoming.....	68	860		1,694	347	1	27						2	23		50			1,992	27
<i>Outlying parts of the United States</i>																				
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			4				3,178
Puerto Rico.....	21			47	507	10				267			20			20				1,261
Virgin Islands.....	2	130		79		1		68					1			1				40

^a Two schools reported 1,018 students as the total registration in history, not segregated, and no kind of history.
^b 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	313	313	313	316	317	318	319	320	323	324	325
Continental United States	5,660	4,415	1,151	297,766	68,317	4,154	146,619	46,717	74,679	11,639	143	4,408	4,314	42,779	15,061	52,533
Alabama	23	257		1,122	1,396	20	553	1,220	478		37	14	656	5,974	2,931	1,725
Arizona	10			871	25	3	47		26	27						102
Arkansas	27	204		417	323	21	251	239	21	50						170
California	74			4,022	564	52	2,660	647	2,537	468	3	63	233	12		2,925
Colorado	19			1,175	338	10	262	262	919	126						4,061
Connecticut	62			4,734	454	27	2,010	326	2,205							4,963
Delaware	12			819		7	315				1	745		2,086	653	633
District of Columbia	18			758	995	14	470	931	708		3	143			64	25
Florida	52			2,475	1,453	40	1,270	972	2,333					34	99	267
Georgia	139	145		4,204	292	123	2,928	266	443	119					51	267
Idaho	17			1,200	264	10	227	263	236						244	333
Illinois	892			16,643	6,943	239	12,638	7,814	7,998	2,490					70	1,500
Indiana	47			3,651	499	51	2,510	843	1,012	148	11	1,012	148	250	208	2,146
Iowa	94			1,739	1,974	64	858	1,032	1,717	733	3	34	81	611	186	3,220
Kansas	106	943		2,794	81	45	1,399	52	849				47	40	186	5,119
Kentucky	115	73		4,996	311	98	2,399	229	768	225				196	76	2,471
Louisiana	28			2,453	459	35	2,424	461	476					196	303	1,265
Maine	102			2,374	207	45	1,444	255	428	89				291	97	267
Maryland	68			2,886	1,574	38	1,167	1,728	1,243	842				4,408	125	1,119
Massachusetts	207	125	171	14,196	1,830	93	4,161	1,329	4,627	358	10	449	1,545	9,185	861	1,409

Michigan.....	97	1,689	60	2,838	1,154	33	1,851	224	4	157	69	597	2,000	4,870
Minnesota.....	146	704	87	4,689	581	134	5,230	.....	.....	.....	102	285	1,130	1,785
Mississippi.....	63	1,041	44	1,155	89	8	2,300	.....	.....	.....	15	86	3,371	1,243
Missouri.....	16	1,667	10	1,176	.....	9	899	68	.....	.....	67	.....	648	2,090
Montana.....	14	571	10	408	88	9	191	131	6	74	70	50	536	1,020
Nebraska.....	23	1,176	9	320	179	3	305	.....	.....	.....	84	188	432	2,520
Nevada.....	9	199	4	50	1	.....	.....	.....	.....	.....	2	.....	28	128
New Hampshire.....	27	1,200	17	651	280	.....	.....	.....	1	158	7	1,197	28	994
New Jersey.....	123	13,998	75	6,419	1,105	29	2,233	86	3	137	27	1,475	1,356	1,181
New Mexico.....	33	1,128	29	924	162	1	102	.....	.....	.....	12	.....	98	181
New York.....	596	41,523	344	9,189	8,719	63	2,338	239	6	564	13	.....	483	166
North Carolina.....	228	7,765	198	6,181	130	18	854	.....	1	56	13	.....	343	379
North Dakota.....	63	1,781	54	1,090	178	43	1,120	12	.....	246	11	.....	358	4,290
Ohio.....	198	12,339	135	6,513	4,501	61	5,901	890	6	508	237	1,624	3,667	6,434
Oklahoma.....	228	3,863	270	6,527	599	117	3,513	103	1	33	18	.....	811	6,817
Oregon.....	14	991	13	782	572	6	334	164	.....	.....	26	342	64	987
Pennsylvania.....	321	10,082	212	15,814	2,947	87	12,280	1,080	43	450	142	5,045	4,295	9,247
Rhode Island.....	28	2,457	12	742	358	5	212	85	.....	.....	11	2,921	1,905	4,845
South Carolina.....	83	2,865	70	2,342	105	12	154	78	.....	.....	21	5,052	1,770	3,471
South Dakota.....	57	1,678	54	958	298	20	408	59	.....	.....	56	114	200	1,149
Tennessee.....	290	7,859	190	8,109	318	24	785	.....	.....	.....	12	698	156	598
Texas.....	657	26,773	560	19,947	945	21	2,522	140	.....	.....	75	2,265	1,221	2,223
Utah.....	1	.....	1	112	.....	.....	.....	.....	.....	.....	16	466	1,495	1,814
Vermont.....	81	1,630	32	933	79	8	266	.....	1	10	4	.....	56	85
Virginia.....	180	3,367	122	5,670	643	4	46	205	.....	.....	150	478	1,164	5,592
Washington.....	31	1,442	22	576	650	7	.....	599	.....	.....	24	834	812	1,854
West Virginia.....	6	133	2	29	90	.....	.....	.....	.....	.....	94	1,084	1,303	3,646
Wisconsin.....	255	2,965	195	3,362	4,781	122	5,962	252	1	11	20	172	1,261	3,900
Wyoming.....	6	334	7	239	.....	.....	.....	.....	.....	.....	17	28	1,261	390
Qualifying parts of the United States.....	2	19	1	3	.....	.....	.....	.....	.....	.....	1	64	.....	.....
Alaska.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Original Zone.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hawaii.....	1	75	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Philippine Islands.....	11	6,865	20	422	1,154	43	613	5,251	.....	.....	2	.....	75	.....
Puerto Rico.....	1	24	2	31	.....	.....	.....	.....	.....	.....	.....	.....	43	.....
Virgin Islands.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

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	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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
		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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
1	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	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	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	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

Michigan.....	220	7,860	2,575	3,701	2,259	31	7,728	2,522	590	2,724	10,161	7,501	308	221	1,344	1,564	12,148
Minnesota.....	129	10,932	821	1,416	59	159	2,075	5,325	143	1,274	7,695	2,265	73	461	61	548	2,845
Mississippi.....	105	774	221	781	662				210	50	4,204	1,189	117	24	269	833	1,196
Missouri.....	304	1,299	43	1,279		14	3,692	371	363	24	12,992	2,666	99	888	10	2,472	7,764
Montana.....	12	271		71	100	13	503	145	64	156	12,198	1,523	47			296	2,963
Nebraska.....	114	4,797	978	124	1,631	9	152	52	226	107	1,048	4,707	200		278	1,226	4,407
Nevada.....	1			7							131	107	0		37	87	283
New Hampshire.....	20	1,895	111	67	82	8	522	38	22	257	862	208	9	191	23	160	67
New Jersey.....	67	16,961	2,194	1,217	429	30	3,231	1,074	196	1,018	3,469	9,035	22	419	192	490	1,793
New Mexico.....	10	196		32	113				59		879	550	38	115	115	181	1,787
New York.....	196	7,870	465	1,475	3,714	60	16,162	5,778	226	2,151	6,241	35,489	179	698	256	2,435	9,987
North Carolina.....	103	1,318	122	2,451	1,077	2	347	240	390	193	20,372	763	52	378	225	1,948	478
North Dakota.....	70	555		378	879	4	440	75	240	222	621	4,342	67	39	225	1,258	1,550
Ohio.....	643	22,316	3,419	8,226	4,756	81	19,479	2,803	456	6,798	12,750	10,014	365	1,104	1,522	9,899	14,896
Oklahoma.....	134	1,783	1,351	897	1,704	34	6,559	431	198	42	2,727	13,857	56	9	484	233	1,522
Oregon.....	45	491	72	696	952	15	1,191	1,051	153	149	915	825	88	141	126	2,735	3,039
Pennsylvania.....	345	54,441	16,504	1,319	356	56	52,964	5,195	612	9,267	49,106	19,204	350	3,197	2,625	12,482	16,517
Rhode Island.....	13	4,592	1,043	1,319	356	5	3,955	1,417	345	72	1,820	2,691	47	3,196		1,344	1,399
South Carolina.....	44			1,363	162	2	931		102		1,620	2,691	47			929	877
South Dakota.....	29	278	167	52	410	3	140		101	72	1,413	1,447	106		422	2,650	2,650
Tennessee.....	41	2,222	37	400	240	5	2,922	765	261	632	2,522	1,109	49	322	187	1,362	219
Texas.....	78	3,133	1,134	1,044	808	23	9,156	1,865	468	947	3,409	7,043	408	56	294	6,049	9,065
Utah.....	39	2,346	222	1,114	326	3	59	233	181	200	2,429	2,577	23	61	270	932	60
Vermont.....	26	832	80	180	96	8	522	202	49	174	1,859	2,218	6	46	34	14	60
Virginia.....	38	2,162	976	465		8	831	206	143	1,165	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	64	3,965	7,297	136	46	138	1,852	6,862
West Virginia.....	170	6,633	744	1,642	624	8	711	406	147	245	7,967	3,594	45	13	82	881	1,260
Wisconsin.....	224	3,448	2,847	6,121	1,563	23	4,162	1,839	375	250	20,780	2,228	74	337	297	4,570	1,470
Wyoming.....	12	608	315	23		9	356	8	40	27	1,444	350	24	187	48	394	1,364
Outlying parts of the United States																	
Alaska.....						1					15	75	1				17
Canal Zone.....						17	5,524	237				104	3		1,118		
Hawaii.....								5,498									
Philippine Islands.....				99	148												238
Puerto Rico.....											699	1,205	7				348
Virgin Islands.....											33	88	11				

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	-	22	22	1	48	-
Arkansas.....	59	39	1,164	82	96	1,698	154	2,139	945	1	19	19	36	279	358
California.....	97	476	3,997	194	1,827	6,074	56	1,625	1,088	49	2,724	2,724	29	52	863
Colorado.....	76	268	1,500	88	320	1,908	34	1,473	1,363	2	63	63	15	129	592
Connecticut.....	6	41	210	44	2,173	1,182	37	3,067	301	1	36	36	16	129	592
Delaware.....	2	19	42	7	26	129	6	376	77	1	36	36	15	129	592
District of Columbia.....	33	876	613	41	245	1,245	29	688	328	1	36	36	15	129	592
Florida.....	22	124	459	65	677	918	16	443	307	1	36	36	15	129	592
Georgia.....	73	121	2,136	84	313	2,204	9	498	222	1	17	17	4	71	71
Idaho.....	104	467	3,689	539	1,119	17,824	36	646	1,837	1	13	13	6	207	207
Illinois.....	146	358	3,736	333	604	10,745	78	785	1,689	1	13	13	2	44	44
Iowa.....	409	699	8,992	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	301	1	21	2,345	129	108	2,565
Kentucky.....	95	472	1,744	109	850	1,997	186	3,308	931	3	29	46	7	454	192
Louisiana.....	7	106	62	10	216	1,363	11	97	33	1	53	53	8	192	192
Maine.....	3	25	160	36	664	675	28	554	430	1	53	53	1	192	192
Maryland.....	10	104	306	115	1,077	3,925	68	3,975	953	1	23	23	1	192	192
Massachusetts.....	73	291	2,493	316	1,827	13,029	47	1,781	1,356	4	224	224	2	140	140
Michigan.....	99	1,986	3,852	109	1,960	3,852	193	5,377	598	4	4	4	2	140	140
Minnesota.....	13	80	155	74	590	2,286	74	322	1,090	1	4	4	1	26	26
Mississippi.....	60	213	2,956	339	3,254	1,771	300	6,778	518	1	4	4	7	84	86
Missouri.....	83	113	1,749	87	129	1,771	31	764	213	13	21	21	13	21	266

Nebraska.....	134	262	3, 110	135	242	2, 992	107	1, 516	1, 296	5	6	120	1	20
Nevada.....	6	15	236	7	15	202	5	99	1, 296	5	6	120	1	20
New Hampshire.....	51	1, 107	497	53	1, 396	750	319	4, 305	11, 984	6	6	76	4	88
New Jersey.....	11	466	442	116	2, 274	7, 395	6	15	76	1	1	36	2	91
New Mexico.....	35	66	633	44	134	787	6	15	76	1	1	36	2	91
New York.....	12	173	703	217	448	6, 728	20	1, 220	145	1	1	36	2	91
North Carolina.....	38	385	776	60	615	947	20	1, 220	145	1	1	36	2	91
North Dakota.....	48	66	1, 062	64	160	1, 514	263	4, 593	187	60	60	856	80	1, 111
Ohio.....	343	4, 221	11, 242	369	1, 924	14, 283	380	10, 570	2, 675	4	4	27	14	205
Oklahoma.....	96	214	2, 168	109	317	2, 065	327	6, 352	957	4	4	27	14	205
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	49	289	71	360	1, 089	3	104	22	1	1	18	14	14
South Dakota.....	149	136	2, 868	174	219	3, 349	27	464	295	10	10	57	10	152
Tennessee.....	4	20	146	171	2, 045	784	149	680	2, 708	1	1	37	1	37
Texas.....	36	20	879	368	8, 952	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	28	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	76	12	401
West Virginia.....	128	441	4, 710	125	192	4, 698	60	2, 370	340	11	11	76	12	401
Wisconsin.....	225	1, 587	5, 681	286	1, 078	7, 229	77	1, 179	1, 621	1	1	76	12	401
Wyoming.....	33	204	6, 641	30	68	538	9	109	22	1	1	76	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	290	291	292	293	294	295
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	2,352
Alabama.....	80	4,361	342	2,782	14,744	287	23,226	552	6	1,390	1,390	1,390	1,390
Arizona.....	5	261	261	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	5,311	5,311	5,311
Colorado.....	23	2,281	276	644	12,978		21,614		6	620	620	620	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	2,057	2,057	2,057
Georgia.....	25	1,714		464	4,949		10,138	200	7	1,957	1,957	1,957	1,957
Idaho.....	7	3,887		306	2,194		3,631		1	135	135	135	135
Illinois.....	52	2,486	833	6,233	10,230		208,911		15	4,404	4,404	4,404	4,404
Indiana.....	353	1,268	695	4,073	16,735	1,251	69,394	1,953	7	1,241	1,241	1,241	1,241
Iowa.....	78	1,210	713	2,330	14,904		83,133	999	3	1,778	1,778	1,778	1,778
Kansas.....	64	2,270	2,246	923	12,902	257	30,575	731	1	199	199	199	199
Kentucky.....	63	1,705	748	732	7,163	701	15,813	420	2	927	927	927	927
Louisiana.....	7	725	135	348	11,204		11,204	182					
Maine.....	16	1,312	1,411	505	1,598		6,933	53	2	419	419	419	419
Maryland.....	30	28,943	1,531	680	16,335		25,143	848					
Massachusetts.....	126	28,943	1,531	12,481	52,324	239	104,387	368	33	16,656	16,656	16,656	16,656

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	21,784		63,686	96	1	16
Mississippi.....	89	229	368	1,172	5,418	369	10,130		4,001	4,381	9	1,522
Missouri.....	193	1,790	78	5,771	5,88	58	10,745		4,706	174		
Montana.....	8	115	329									
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		15,124	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	196	135		71	71	3,348	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	2,142	295	28	13,364		12,567	642	2	455
South Carolina.....	6	25			149	72	1,434		4,018	220		
South Dakota.....	19	100	459	148					6,142			
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.....						1	213		243			
Guam.....	1		16									
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								
	Number of schools reporting		Registrations in—		Number of schools reporting		Registrations in—		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	Full-year	Half-year	Grades 7 and 8	Last 4 years of high school	Full-year	Half-year	Grades 7 and 8	Last 4 years of high school	Full-year	Half-year	Grades 7 and 8	Last 4 years of high school	Full-year	Half-year	Grades 7 and 8	Last 4 years of high school	Full-year	Half-year					
1	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
Continental United States	2,364	2,365	44,800	219,553	23,600	1,400	97,915	19,619	96,330	26,145	178	1,439	402	5,643	5,453	89	325	89	4,176	1,806	55	2,760	1,300		
Alabama	16	639	11	658	80	3	269		18		12	331	38	216	3	1			19		2				
Arizona	8	60		428		4	21		234	27															
Arkansas	11	107	114	395		4	1,061		135																
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			46		5				
Colorado	25	3,251	440	1,439	378	14	1,431	1,381	677	241	1								32		4				
Connecticut	30	2,946	1,181	5,266	293	10	1,205	171	968	47	2	127									2				
Delaware	4	963		573		3	800	90	481																
District of Columbia	22	8,445	2,001	5,245	1,904	1			17		1														
Florida	22	3,999	21	2,059	28	3	559		173		1														
Georgia	9	1,498	500	467		2	14	70	145		2														
Idaho	6	246	70	61		3	50																		
Illinois	100	2,002	1,139	32,594	1,065	27	1,152		97		3														
Indiana	181	5,564	1,087	6,221	615	176	1,355	222	1,702	69	3	85	139	583							1				
Iowa	33	2,378	534	1,033	376	20	1,577	443	1,072	411	5		110	119											
Kansas	50	432	674	1,131	60	29	417	472	664	139															
Kentucky	18	1,355	835	708	149	7	1,158	871	196	336	3														
Louisiana	14	24		886	208																				
Maine	13	1,645		576	30	1					1		32	111											
Maryland	29	13,575	302	11,496	241	4					2		212	23											
Massachusetts	261	38,090	2,990	27,907	2,383	22	3,635	97	305	14	16		31	1,064	246	2									



OFFERINGS AND REGISTRATIONS—HIGH-SCHOOL SUBJECTS 65

Michigan.....	75	4,169	4,003	4,468	3,250	611	4,787	843	4,530	619	6	64	117	97	12	42	173	349	11	199	94
Minnesota.....	41	8,382	966	2,676	954	38	4,027	356	2,410	550	1	1	20		2			82	0	132	34
Mississippi.....	8	247		106	12	31		114	43		0		41	221	4			66	2	62	
Missouri.....	43	2,139	734	3,753	81	11	1,107	86	1,160	20								42	1	33	
Montana.....	13	473		282	16	11													1	19	
Nbraska.....	19	708	820	785	329	13	564	774	416	17	5		199	278	1	15		19	2		26
Nevada.....	10	1,802	26	82	16	2			81		1		15							15	
New Hampshire.....	10	1,802	26	450	16	2			81		1		103								
New Jersey.....	127	18,919	1,745	14,639	1,262	24	1,292	60	2,083		13		892	32	2	70					
New Mexico.....	3			158		2	392		21		1		21								
New York.....	189	15,076	1,280	4,451	7,240	307	7,882	1,705	5,639	16,464	26		335	406	9	72		947	3	64	342
North Carolina.....	7	33		313	61	2			188												
North Dakota.....	9	211		21	60	5	196		245	46			428	62	6			67	3	950	95
Ohio.....	140	17,870	2,153	11,676	447	63	7,546	1,608	6,827	412	10							319	5		
Oklahoma.....	16	1,211	1,441	1,075	360	12	524	845	735	57	1	200									
Oregon.....	11	120		1,115		13			1,344		2		121		1			141	3	26	113
Pennsylvania.....	307	47,833	2,803	37,069	1,105	157	40,836	139	30,861	209	5	148	121	23	1			819	7	56	45
Rhode Island.....	31	5,740	1,867	3,087	635	1					3	307	367					150			
South Carolina.....	1	385				1			441												
South Dakota.....	8	75	384	111	207	8			103	83									2	11	28
Tennessee.....	15	1,994	165	959	45	3	944	301	153	40											
Texas.....	51	3,778	726	3,331	274	28	1,834	792	2,148	93	1			23	5			336	34	132	48
Utah.....	32	1,264	1,120	1,708	1,082	15	217		730	28	2		46					67			
Vermont.....	10	748		300	300	1	32														
Virginia.....	16	2,975	1,193	921	390	7	351		297	103	2		21	27					1	24	
Washington.....	29	1,696	320	2,114	299	50	2,431	3,318	3,754	1,347									4	60	
West Virginia.....	25	2,063	123	746	244	11	817	90	355	26	1		21								
Wisconsin.....	41	2,802	105	5,378	434	32	3,370	54	2,325	225	2		34	13				70			
Wyoming.....	3			135	35	4			85												
Outlying parts of the United States.....																					
Alaska.....	2			73							1										
Canal Zone.....	1			35							1										
Hawaii.....	3			133							3	570	32								77
Philippine Islands.....																					
Puerto Rico.....																					
Virgin Islands.....	11			428	235	1				48	6		77	48							

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

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	1,247	37	14	18	995
Mississippi.....	84	329	1,809	87	60	1,012	11	1	20	7	20	251	2	16	38	88
Missouri.....	256	6,864	23,813	117	494	3,594	61	137	1,823	50	31	2,018	41	5	16	788
Montana.....	76	459	2,625	35	83	3,877	16	15	459	25	19	707	5	5	29	192
Nebraska.....	231	3,350	13,701	100	548	2,730	42	89	962	26	68	1,108	25	26	538	208
Nevada.....	14	718	2,318	7	59	1,915	1	1	8	3	8	43	5	5	32	137
New Hampshire.....	33	718	2,318	7	59	1,915	1	1	8	3	8	43	5	5	32	137
New Jersey.....	149	20,786	22,130	56	1,355	2,908	40	118	1,544	30	96	1,146	44	35	407	7,813
New Mexico.....	39	416	1,785	27	69	2,569	2	2	32	5	10	72	20	1	16	16
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	3	21	66	1	24	25	16	16	205	99
North Dakota.....	205	1,164	6,144	72	93	1,408	17	15	294	17	23	628	134	136	52	608
Ohio.....	807	54,529	84,329	532	2,163	17,599	109	165	3,220	83	284	3,066	119	24	25	1,498
Oklahoma.....	165	8,097	11,414	83	1,105	3,362	15	17	355	27	68	917	71	61	48	1,498
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	150	975	4,960	42	844	4,725	117	107	3,037	5,922
Rhode Island.....	32	9,645	6,848	17	286	327	96	20	191	6	20	268	5	5	31	321
South Carolina.....	16	637	6,788	706	20	327	7	7	160	19	19	813	85	85	25	38
South Dakota.....	114	1,562	5,570	54	7	1,880	11	4	187	7	22	281	4	4	571	208
Tennessee.....	53	4,869	5,422	27	73	444	4	4	157	4	7	281	4	4	571	416
Texas.....	167	8,949	13,367	458	60	3,242	54	25	860	25	4	954	16	16	107	15
Utah.....	84	4,565	10,666	103	834	2,431	109	12	353	16	71	895	4	4	107	15
Vermont.....	30	1,180	2,204	8	8	2,221	10	20	304	4	2	180	1	1	3	3
Virginia.....	66	4,581	6,892	429	70	746	4	4	92	2	2	63	4	4	278	278
Washington.....	209	12,954	11,091	109	731	3,154	738	62	1,544	333	37	1,512	155	15	447	249
West Virginia.....	127	6,645	8,442	382	72	2,670	131	17	418	19	45	740	3	3	28	79
Wisconsin.....	187	8,122	16,138	147	797	7,974	696	63	2,263	13	101	4,834	25	25	64	1,587
Wyoming.....	35	1,160	2,925	23	36	7,702	25	3	142	5	7	196	1	1	14	14
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.....																

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 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	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	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	Number of schools reporting	Full-year courses	Half-year courses
Continental United States—	4,793	3,864	10,447	648	83	11,080	1,171	331	333	334	323	336	331	333	334	331	333	334	331	333	334
Alabama.....	109	2,803	100	16	27	201	1,171	10	16	10	16	10	10	16	10	10	16	10	10	16	10
Arizona.....	14	418	71	4	4	71	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Arkansas.....	84	2,278	15	4	4	56	85	4	4	4	4	4	4	4	4	4	4	4	4	4	4
California.....	41	1,763	407	51	14	1,362	274	24	22	24	22	24	24	22	24	24	22	24	24	22	24
Colorado.....	53	1,309	25	10	10	274	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Connecticut.....	8	46	192	6	6	63	142	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Delaware.....	8	147	23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
District of Columbia.....	1	13	13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Florida.....	48	671	60	6	6	63	142	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Georgia.....	43	1,057	16	6	6	63	142	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Idaho.....	35	62	1,343	6	6	87	142	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Illinois.....	272	4,343	15	125	125	2,076	119	44	20	44	20	44	44	20	44	44	20	44	44	20	44
Indiana.....	157	833	246	60	60	575	409	60	60	60	60	60	60	60	60	60	60	60	60	60	60
Iowa.....	491	6,408	3,872	2	2	80	142	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Kansas.....	307	34	6,233	6	6	80	142	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Kentucky.....	168	384	478	6	6	24	40	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Louisiana.....	51	1,703	26	6	6	24	40	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Maine.....	19	615	27	1	1	21	66	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Maryland.....	38	1,124	14	1	1	21	66	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Massachusetts.....	21	749	14	1	1	66	142	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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	39	154	24				19	94	244	1		11
Nevada	3			65													
New Hampshire	9			189		1											
New Jersey	10			1,064						32		1	30	21	1	19	
New Mexico	26			423	101							2					
New York	133	390		3,343	40												
North Carolina	99	14		4,710	12	3	43	6				2	17				
North Dakota	149	14		2,963	64	6	123	12				14	275				
Ohio	399	946	206	8,108	380	60	960	111	6	397	39	70	1,331	167	1	9	
Oklahoma	192	112	75	4,065	1,464							1	9				
Oregon	31			1,015		5	114					6	97			6	
Pennsylvania	177	269		4,492	39	19	319	18	1			20	364	60	20	329	29
Rhode Island	4	115		185													
South Carolina	88			2,435	21	6	66					1	10				
South Dakota	26			646								6	79				
Tennessee	105			4,324		1	17										
Texas	229	14	143	7,033	127	3	17	36	2			4	120		2	20	27
Utah	23	38	21	1,104		17	595			61							
Vermont	19	226	10	3,858	8	1	21			20							
Virginia	137	66		3,826													
Washington	39	60		1,209	37	25	519	28	6	105	30	23	407	52	2	65	
West Virginia	51	25		1,329		2	16	11	2		53	3	1,040	69	4	41	8
Wisconsin	84	9		2,340	30	59	822		2	24		65					
Wyoming	29	38	83	680	50	2	20	7				2	29				
Outlying parts of the United States										290		18	625		1	25	72
Hawaii	2	817		630	93	19	709	72	1		213				4	25	
Philippine Islands	9			413												215	
Puerto Rico	2			33													

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	Number of schools reporting		Registrations in—		Number of schools reporting		Registrations in—		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	Full-year	Half-year	Grades 7 and 8	Last 4 years of high school	Full-year	Half-year	Grades 7 and 8	Last 4 years of high school	Full-year	Half-year	Grades 7 and 8	Last 4 years of high school	Full-year	Half-year	Grades 7 and 8	Last 4 years of high school	Full-year	Half-year																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
1	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

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	30,789	71,899	32,726	1,666	31,185	31,266	90,127	32,213	159	2,611	1,126	291	393	393	394	395		
Alabama	16	31	12	324	104	15	23	12	567	126	2	5	17	2	105	195	21	205		
Arkansas	13	88	328	423	145	4	105	212	585	195	12	105	212	585	195	12	105	212		
California	174	1,204	6,698	7,627	4,077	181	1,683	4,990	12,556	4,676	4	30	150	126	87	273	34	229		
Colorado	24	379	426	1,118	446	20	478	470	1,052	775	4	150	126	87	273	34	229	2		
Connecticut	9	854	306	706	333	8	824	233	450	620	1	31	200	1	249	60	26	26		
Delaware	1	368	67	56	232	1	368	67	232	82	1	31	200	1	249	60	26	26		
District of Columbia	2	100	495	169	392	5	120	495	97	82	1	31	200	1	249	60	26	26		
Florida	6	70	95	302	122	11	100	77	240	117	1	21	47	1	238	44	44	44		
Georgia	12	70	95	302	122	11	100	77	240	117	1	21	47	1	238	44	44	44		
Idaho	4	102	13	102	13	1	102	13	102	13	1	102	13	1	102	13	1	102		
Illinois	292	817	68	9,623	145	243	831	18	10,648	114	1	110	126	2	21	290	290	290		
Indiana	118	690	690	2,920	1,369	86	15	662	3,079	1,000	12	110	126	2	21	290	290	290		
Iowa	35	752	626	892	756	30	804	809	848	778	2	97	199	3	6	10	10	10		
Kansas	147	781	440	4,153	669	146	704	763	4,986	685	9	97	199	3	6	10	10	10		
Kentucky	10	223	204	769	479	11	80	453	1,078	560	3	12	18	1	16	16	16	16		
Louisiana	9	504	434	504	434	6	504	434	504	434	1	12	18	1	16	16	16	16		
Maine	5	161	161	161	161	6	161	161	161	161	1	12	18	1	16	16	16	16		



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	4,230	4,807	807	1	1	21	139
Mississippi.....	45	181	678	1,924	97	48	235	285	2,810	177	72	3	11	54
Missouri.....	5	70	141	141	42	5	87	87	2,116	45	3	3	11	54
Montana.....	24	97	824	1,019	443	14	103	878	878	299	6	6	11	54
Nebraska.....	1				14	1				13	13	13	11	54
Nevada.....	22	101	374	374	267	30	101	101	571	331	64	64	21	54
New Hampshire.....	45	865	2,802	3,120	1,197	47	3,810	2,621	3,160	1,211	13	13	21	54
New Jersey.....	4				18	2			9	15	32	32	11	54
New Mexico.....	33	338	1,451	1,000	917	60	410	125	1,530	795	3	3	11	54
New York.....	8				102	6			508	19	19	19	11	54
North Carolina.....	6				49	6			17	65	65	65	11	54
North Dakota.....	67	812	854	3,378	3,092	51	965	718	3,690	1,652	3	3	11	54
Ohio.....	26	143	637	1,458	112	23	143	539	2,105	149	1	1	11	54
Oklahoma.....	24	30	235	1,171	237	21	51	205	2,160	182	64	64	21	54
Oregon.....	120	18,637	4,092	5,745	3,818	144	14,739	4,238	7,073	3,622	2	2	21	54
Pennsylvania.....	10	704	744	3,319	236	9	770	832	7,677	348	74	74	21	54
Rhode Island.....	4				92	4			33	38	1	1	11	54
South Carolina.....	6				41	4			91	91	1	1	11	54
South Dakota.....	12				195	4			115	115	1	1	11	54
Tennessee.....	94	281	1,072	4,094	2,339	100	921	516	5,094	2,476	16	16	21	54
Texas.....	24	101	1,106	4,972	635	15	82	82	5,578	954	2	2	21	54
Utah.....	3				18	2			37	74	1	1	11	54
Vermont.....	3				6	2			211	74	1	1	11	54
Virginia.....	3				399	5			211	74	1	1	11	54
Washington.....	4				1,496	40			2,926	1,701	1	1	11	54
West Virginia.....	19				1,169	12			234	131	1	1	11	54
Wisconsin.....	8				1,499	81			6,209	1,449	1	1	11	54
Wyoming.....	3				254	5			471	146	1	1	11	54
Outlying parts of the United States.....														
Hawaii.....	18				734	11			592	206			121	21
Philippine Islands.....	10				63								211	21
Puerto Rico.....													21	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				
1	401	493	494	495	496	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	1,162	398	149,738	70,950	3,795	991	450	96,202	92,206	6,052	305	88	391,071	13,166
Alabama	81	153	139	685	677	9	9	1,398	2,189	124	78	95	856	3,219	32			2,228	142
Arizona	16	127		396	312			561	88	9			96	248	32			1,026	125
Arkansas	20	373	1,067	665	130			209	927	58	80	47	296	918	32			1,012	125
California	261	571	1,061	16,733	3,616			3,492	1,766	56			1,947	1,410	307			16,324	792
Colorado	50	571	1,061	1,854	823			1,035	1,119	33			160	971	85			3,830	174
Connecticut	58	157	776	5,541	1,902			2,318	1,660	25			67	1,498	67			8,422	56
Delaware	5	354	215	183	55			2,455	72	7			1,224	16	8			590	420
District of Columbia	8	839	199	174	117			2,135	593	4			1,231	509	7			2,557	18
Florida	19	405	265	168	145			1,692	722	16			289	21	50			2,060	18
Georgia	25	276	120	585	387			1,655	351	6				21	25			904	15
Idaho	29		50	633	515			129	579	16			144	241	55			1,638	33
Illinois	170	453		16,138	4,502			1,600	7,867	379			18,592	11,713	454			41,787	1,205
Indiana	177	618	171	6,241	1,680			5,109	2,031	95			1,143	2,045	264			10,614	565
Iowa	219	274	251	3,492	3,875			3,279	2,585	204			570	5,107	263			9,434	916
Kansas	64	319	131	1,801	927			3,279	2,585	124			130	2,503	215			6,125	126
Kentucky	40	217	276	518	526			391	531	83			371	1,283	60			2,752	220
Louisiana	5			342	342			1,350	96	85			1,306	1,802	40			1,944	71
Maine	63	25		1,754	403			2,706	375	30			903	549	74			3,185	32
Maryland	37	1,337	1,639	648	648			11,834	1,013	114			1,483	315	69			4,837	402
Massachusetts	174	3,786	1,055	13,462	758			11,834	1,013	114			13,714	2,441	199			24,592	402

OFFERINGS AND REGISTRATIONS—HIGH-SCHOOL SUBJECTS 75

Michigan	162	2,373	2,433	8,174	2,907	184	93	1,738	3,192	251	19,757	3,515
Minnesota	391	50	611	16,533	4,472	8	216	7,160	210	168	12,034	6
Mississippi	80	154	1,412	16,475	1,412	27	36	1,127	245	58	1,270	18
Missouri	28	43	820	820	430	53	33	1,117	1,121	183	8,380	15
Montana	32	169	209	1,169	209	40	33	134	631	89	2,094	55
Nebraska	81	394	1,700	720	1,700	54	64	582	1,326	127	4,777	227
Nevada	2	63	47	47	63	4	2	1,353	19	17	2,187	465
New Hampshire	52	1,238	72	1,235	490	15	53	6,337	61	54	25,470	0
New Jersey	152	790	396	17,086	3,115	100	97	6,337	3,613	161	25,470	465
New Mexico	9	27	16	117	16	16	10	45	124	47	901	0
New York	490	3,088	675	24,894	949	527	348	7,008	11,758	376	44,909	338
North Carolina	14	191	3,620	3,620	375	111	38	718	581	50	1,882	129
North Dakota	191	1,671	140	9,869	3,651	473	203	3,889	2,400	40	1,095	18
Ohio	266	1,671	45	9,894	89	46	220	635	4,691	113	34,225	1,008
Oklahoma	11	58	10,281	1,371	1,139	56	61	634	1,272	104	4,345	748
Oregon	367	28,360	10,281	35,691	7,250	345	221	9,884	4,450	402	45,828	748
Pennsylvania	19	781	1,770	1,770	981	12	10	845	196	16	1,851	181
Rhode Island	82	1,152	300	2,152	300	10	8	120	24	49	1,654	34
South Carolina	52	1,199	429	1,199	429	97	51	48	1,063	64	1,761	181
South Dakota	9	146	441	1,371	1,139	37	63	90	1,058	47	2,019	65
Tennessee	64	600	110	2,508	463	202	119	569	2,709	184	7,091	309
Texas	11	18	545	845	153	8	2	181	181	26	2,416	181
Utah	18	574	205	1,074	397	34	9	289	118	57	1,517	319
Vermont	23	158	94	5,336	2,284	98	92	291	3,911	152	8,421	542
Virginia	127	258	168	11,391	1,640	61	34	372	1,114	85	3,615	68
Washington	38	287	168	11,391	1,640	61	34	1,503	1,150	255	15,909	25
West Virginia	287	17	244	1,218	2,293	19	5	45	142	33	1,063	76
Wisconsin	17	1	28	628	628	2	2	62	67	7	87	6
Wyoming	5	5	10	1,039	562	10	1	1,039	132	2	505	505
Outlying parts of the United States												
Alaska												
Canal Zone												
Hawaii												
Philippine Islands												
Puerto Rico												

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	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			
		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	431	433	423	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440
Continental United States	8, 637	12, 784	3, 600	675, 550	72, 765	1, 781	742	51, 075	20, 997	282	764	290	9, 318	7, 180	7, 552	83	80	415, 419	27, 519
Alabama	50	.....	.....	2, 716	199	.....	.....	.....	.....	1	.....	.....	.....	.....	87	.....	.....	1, 894	1, 071
Arizona	47	.....	.....	3, 357	13	.....	.....	.....	.....	1	.....	.....	.....	.....	33	.....	.....	855	22
Arkansas	48	.....	.....	2, 443	55	.....	.....	.....	.....	3	.....	.....	.....	.....	35	.....	.....	1, 046	47
California	377	3, 444	1, 284	60, 539	1, 940	.....	.....	3, 567	1, 062	29	.....	.....	.....	.....	300	.....	.....	20, 262	1, 025
Colorado	165	.....	.....	9, 309	487	.....	.....	1, 130	10	2	.....	.....	.....	.....	112	.....	.....	3, 018	.....
Connecticut	80	.....	.....	16, 812	323	.....	.....	1, 806	1, 063	6	.....	.....	.....	.....	70	.....	.....	11, 735	153
Delaware	7	.....	.....	.....	.....	.....	.....	127	4	1	.....	.....	.....	.....	9	.....	.....	3, 061	617
District of Columbia	21	.....	.....	4, 465	547	.....	.....	246	273	1	.....	.....	.....	.....	18	.....	.....	2, 068	447
Florida	58	.....	.....	3, 783	65	.....	.....	70	23	1	.....	.....	.....	.....	51	.....	.....	3, 061	.....
Georgia	38	.....	.....	2, 474	278	.....	.....	206	68	4	.....	.....	.....	.....	30	.....	.....	1, 391	81
Idaho	108	.....	.....	4, 830	72	.....	.....	14	171	43	.....	.....	.....	.....	58	.....	.....	1, 668	22
Illinois	511	.....	.....	55, 909	4, 149	.....	.....	2, 957	1, 470	21	.....	.....	.....	.....	604	.....	.....	23, 020	8, 978
Indiana	373	.....	.....	20, 261	1, 340	.....	.....	772	508	6	.....	.....	.....	.....	334	.....	.....	9, 636	591
Iowa	473	.....	.....	19, 771	1, 473	.....	.....	483	475	67	.....	.....	.....	.....	461	.....	.....	10, 458	3, 978
Kansas	450	.....	.....	17, 624	209	.....	.....	459	138	9	.....	.....	.....	.....	360	.....	.....	7, 934	360
Kentucky	80	.....	.....	3, 992	649	.....	.....	97	156	1	.....	.....	.....	.....	57	.....	.....	2, 520	390
Louisiana	55	.....	.....	2, 883	125	.....	.....	.....	.....	19	.....	.....	.....	.....	63	.....	.....	3, 264	.....
Maine	73	.....	.....	4, 448	40	.....	.....	.....	.....	2	.....	.....	.....	.....	76	.....	.....	4, 325	231
Maryland	74	.....	.....	7, 511	1, 349	.....	.....	224	162	6	.....	.....	.....	.....	72	.....	.....	5, 612	196
Massachusetts	212	.....	.....	40, 052	521	.....	.....	85	8, 537	17	.....	.....	.....	.....	205	.....	.....	33, 990	301

OFFERINGS AND REGISTRATIONS—HIGH-SCHOOL SUBJECTS 77

Michigan.....	367	60	204	36,218	6,933	63	1,285	895	26	640	280	400	451	327	18,968	3,794	
Minnesota.....	177			15,818		28	927	653	4			72	138	146	9,416	64	
Mississippi.....	72		204	2,379	79	8	92	1						61	1,680	12	
Missouri.....	265			15,971	397	28	1,471	614						245	8,314	112	
Montana.....	130			4,880	78	10	97	28						94	2,317	18	
Nebraska.....	290			13,050	521	49	1,044	258	7			65	128	228	4,510	1,568	
Nevada.....	21			458		5	17	1						12	200	12	
New Hampshire.....	55			3,303	146	49	768					435	509	57	2,574		
New Jersey.....	175	129	58	37,394	438	117	5,037	889	15					151	27,233	489	
New Mexico.....	78			2,318	12	5	103	2						46	27,725	16	
New York.....	488	440		40,702	580	57	2,422	432	7			88	223	418	28,813	72	
North Carolina.....	57			3,765	141	11	290	184						42	1,576		
North Dakota.....	216			3,542	635	7	144	30						139	2,449	125	
Ohio.....	642	2,843	81	50,769	2,960	131	5,032	1,906	14			57	616	620	32,633	605	
Oklahoma.....	171	357	204	11,244	348	22	245	104						121	4,255	30	
Oregon.....	200			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	236	288	2			122		19	3,717	172	
South Carolina.....	53			1,948	60	2	50							47	1,663	25	
South Dakota.....	145			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		17,746	1,768	30	413	287						320	8,625	269	
Utah.....	48			7,650		10	473	139						42	2,059		
Vermont.....	41			2,153		15	297	78						36	1,339		
Virginia.....	63			5,988	488	12	722	270	1				113	51	3,249	191	
Washington.....	249			19,633	1,038	68	1,410	523						187	9,167	47	
West Virginia.....	101			8,823	167	24	533	83						95	3,688	36	
Wisconsin.....	279	180	113	26,321	529	67	1,270	1,139	7				271	183	12,639	515	
Wyoming.....	57			2,471	40	5	49	9	1				45	32	1,005	7	
Obligating parts of the United States																	
Alaska.....	11			190										5	69		
Canal Zone.....	2			114										2	77		
Hawaii.....	16	696	427	2,117	504	10	212	20						8	675		
Philippine Islands.....	3			421		1	104							1	231		
Puerto Rico.....	16			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	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
1	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455
Continental United States.....	85	2,662	863	77	5,161	2,871	526	12,779	19,232	829	22,016	16,226	4,164	28,841	115,501
Alabama.....							1	144		2	36		114	564	2,809
Arizona.....							3	104		8	245		14	116	255
Arkansas.....							3	99		2	51		18	33	452
California.....	1	169	28	17	421	608	81	2,674	2,623	103	3,147	3,187	129	1,990	3,865
Colorado.....							7	407		21	806		41	143	1,183
Connecticut.....	5	270		1		21	15	68	1,122	5	193	52	40	485	2,043
Delaware.....										1	415		2	106	2,106
District of Columbia.....	1	82		2	31	56	3	79	188				5	696	333
Florida.....							3	20		4	63		5	11	89
Georgia.....							1			4	30		8	184	145
Idaho.....	1	20													
Illinois.....	4	157	72	9	966	506	40	1,270	1,706	8	151	129	25	58	686
Indiana.....				2			32	1,011		32	1,011		275	1,620	9,399
Iowa.....				1			22	296	638	53	247	1,240	111	385	2,799
Kansas.....	2	22	14	1		45	14	205	435	48	164	1,428	408	468	8,913
Kentucky.....							5	116		6	26		186	462	3,515
Louisiana.....	1	25		1		166	11	317	165	4	23	85	67	187	1,357
Maine.....	15	133		1		45	1	105		1	105		12	52	453
Maryland.....	2	70					3	163		3	163		31	390	695
Massachusetts.....	10	486	156	7	614	56	5	105	116	14	2,138	230	9	52	355
							18	1,480	344				109	4,372	4,566

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—			Registrations in—			Registrations in—			Registrations in—			Registrations in—																
	Number of schools reporting	Grades 7 and 8	Last 4 years of high school	Number of schools reporting	Grades 7 and 8	Last 4 years of high school	Number of schools reporting	Grades 7 and 8	Last 4 years of high school	Number of schools reporting	Grades 7 and 8	Last 4 years of high school	Number of schools reporting	Grades 7 and 8	Last 4 years of high school														
Alabama	458	457	456	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480					
Arizona	611	38,388	4,191	51,554	3,001	4,670	164,664	39,685	267,635	28,781	4,037	67,965	37,526	264,149	42,037	148	223	5,832	1,224	28	297	1,109	345	30	396	130	101		
Arkansas	1	12	11	11	45	766	78	1,976	17	23	270	13	949	12	84	1	1	1	1	1	1	1	1	1	1	1	1	1	
California	5	80	61	84	22	365	16	1,416	108	63	382	63	398	62	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
Colorado	66	1,424	363	2,873	186	7,523	7,881	13,925	2,332	378	1,522	4,147	19,988	2,024	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
Connecticut	8	2	839	839	68	4,688	475	2,779	94	36	662	310	1,074	508	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
District of Columbia	0	928	678	678	27	1,692	628	2,452	76	46	316	940	4,777	161	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Florida	1	383	114	114	17	1,174	297	838	144	6	429	72	635	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	
Georgia	3	248	127	174	37	3,981	327	2,277	408	24	230	262	684	140	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Idaho	2	101	106	106	20	931	216	1,066	68	16	710	171	833	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	
Illinois	26	186	186	488	26	728	969	969	969	16	60	307	612	612	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
Indiana	27	130	161	370	189	2,846	1,049	14,895	85	217	279	704	33,947	374	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
Iowa	10	296	605	1,370	522	4,911	1,564	8,881	392	163	767	529	6,725	655	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Kansas	5	228	60	166	287	3,004	1,376	8,407	531	167	301	803	3,287	871	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Continental United States	611	38,388	4,191	51,554	3,001	4,670	164,664	39,685	267,635	28,781	4,037	67,965	37,526	264,149	42,037	148	223	5,832	1,224	28	297	1,109	345	30	396	130	101		

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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	1		
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	5,559	2,175	17,250	1,756						
Massachusetts	106	13,247	2,287	13,772	776	216	5,559	2,175	17,250	1,756						
Michigan	159	5,363	2,663	6,974	2,280	208	3,372	2,987	12,990	3,963	15	370	72	1		
Minnesota	158	5,394	1,900	5,432	2,441	130	5,600	1,117	3,634	2,742	6	232	4	1		
Mississippi	15	2,780	333	6,428	144	7	329	307	4,689	114	1					
Missouri	31	2,239	-21	931	31	33	109	58	981	94						
Montana	120	1,070	849	2,525	1,431	35	160	158	1,275	302						
Nebraska	8	1,115	6	1,616	6	21	188	146	1,564	38						
Nevada	37	1,525	6	1,616	6	146	2,289	1,478	16,949	1,283	4	435	12	1		
New Hampshire	87	4,554	613	9,600	10	10			228							
New Jersey	40	2,678														
New Mexico	18	164														
New York	43	8,750	1,533	6,729	598	328	1,977	378	10,627	8,911	13	556	175	1		
North Carolina	15	185		1,082	149	12	20	50	1,446	13						
North Dakota	16	175		214	97	24	188	199	199	244						
Ohio	707	15,950	3,623	27,471	1,936	377	8,503	4,182	24,155	3,174	11	809	67	1		24
Oklahoma	82	1,303	2,121	3,986	497	73	801	595	2,517	690						
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	66	600		30	1,758	731	2,523	924	1	33				
South Carolina	15	130	96	900	172	10	10	49	409	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	561	6,044	620	131	1,453	744	6,758	1,174						
Utah	37	2,960	228	2,261	972	26	67	26	978	397						
Vermont	8	161	341	341		15	2	88	303	26						
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	207	369	1		158
West Virginia	70	2,403	609	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	403	108			
Wyoming	18	540	1,254	1,254		10	167	104	348							
Outlying Parts of the United States																
Alaska	5	75	526	130	215	4	4	392	75	10						
Canal Zone	5	75	526	130	215	2	2	392	75	10						
Hawaii	6	339	339	183	215	13	393	392	428	496						
Philippine Islands	14	2,432	1,846	1,846	108	24	108	108	5,821	742						
Puerto Rico	14	2,432	1,846	1,846	108	24	108	108	5,821	742						
Virgin Islands	1	1	1	1	107	1	1	1	61	22						

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—							
	Number of schools reporting	Full-year courses	Half-year courses	Grades 7 and 8	Full-year courses	Half-year courses	Grades 7 and 8	Full-year courses	Half-year courses	Grades 7 and 8	Full-year courses	Half-year courses	Grades 7 and 8	Full-year courses	Half-year courses	Grades 7 and 8	Full-year courses	Half-year courses						
Continental United States.....	72	170	4,880	1,753	1,297	24,768	18,376	77,874	15,870	3,720	5,124	28,183	5,039	412	7,808	9,789	15,653	6,650	89	22	287	4,727	4,361	
Alabama.....	1				8	82			30	2				1										
Arizona.....	6				6	217			9	2														
Arkansas.....	6				184	1,394	3,152	11,166	1,991	71	391	1,561	3,364	1,340	69	879	1,469	2,378	1,155	15	45	1,068	237	
California.....	1				13	273			300	3				5						2				
Colorado.....	1				9	441	114	1,355	85	2				3	240					2				
Connecticut.....	1				10	764	213	286	90	3	165	27	51	104	8	380	116	129	74	1				
Delaware.....	1				2	52				2				1						1				
District of Columbia.....	1				5		28	113		2	151		120		1					1				
Florida.....	1				7				172															
Georgia.....	6				85	788	60	10,638	30	24				5						16				
Idaho.....	7				51	277	418	2,460	281	16	88	253	1,144	207	11	384	830	129	6	10				
Illinois.....	1				60	606	1,440	1,509	326	6		53	1,765	686	7	156	469	16	193	2				
Indiana.....	1				52	322	215	2,198	57	12		44	227	297	0	85	141	50	1					
Iowa.....																								
Kansas.....																								

Kentucky	101	249	152	462	110	4	31	87	99	5	45	218	276	36	1	315
Louisiana	2	89	109	87	70	1	87	60	3	1	109	69	69	136		
Maine	3	119	114	93		3	108	696	2	2	679	369	438	45	3	1,097
Maryland	39	2,884	744	1,940	1,473	10	334	525	373	13						
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	1,201	10	375	1,721	90	24	316	894	2,122	934	1	12
New Hampshire	3	114	1,632	1,342	4,619	118	67	4,203	21	39	686	140	1,145	3	4	141
New Jersey	3	50	175	50	175	1		25								
New Mexico	90	3,535	979	6,294	3,119	20	80	2,221	273	39	1,332	1,055	1,593	517	2	66
New York	15	110	101	1,886	82	5	90	785		7	94	481	328	70	9	264
North Carolina	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	25	4,042	678	977	25	
Oklahoma	18	1,061	1,223	1,457	339	3	50	551	12	9	567	622	565	314		
Oregon	2	23	128	75		1		40		1		170	18			
Pennsylvania	19	388	675	1,207	187	2	125	136		1						
Rhode Island	12	34	58	718	254	3	215	264	50	7	125	168	207	181	2	216
South Carolina	5	100	100	100						1	84					
South Dakota	6	190	233	207	14	6	123	149	119	90	69	149	268	402		
Tennessee	25	397	1,068	1,238	1,000	7		235	161	11		937				
Texas	16	360	211	744		4	33	115	16	6	101	32	134	35		
Utah	96	332	319	2,864	679	17	84	516	177	22	20	117	796	110	2	17
Vermont	2	10	27	59		1		43		2		29				14
Virginia																
Washington																
West Virginia																
Wisconsin																
Wyoming																
Outlying parts of the United States																
Canal Zone	2	48		101		1				3	166	176	153		3	115
Hawaii	7	211	303	285	96			74		3		121				
Philippine Islands	12			1,340	69	1										
Puerto Rico	10				42											
Virgin Islands	1		88	9												

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 course	Half-year course	Number of schools reporting	Full-year course	Half-year course	Number of schools reporting	Full-year course	Half-year course	Number of schools reporting	Full-year course	Half-year course	Number of schools reporting	Full-year course	Half-year course																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
1	506	507	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.....	81	178	194	72	4	12	214	150	214	178	194	72	5	213	97	198	254
Louisiana.....	277	277	36	269	7	4	62	2	62	277	36	269	1	272	61	1,492	620
Maine.....	61	62	90	90	7	2	62	2	62	62	90	90	11	272	1,031	1,492	505
Maryland.....	45	45	235	235	216	2	235	2	235	45	235	235	37	90	361	620	57
Massachusetts.....	342	1,429	216	216	216	2	216	2	216	1,429	216	216	25	268	52	1,028	505
Michigan.....	1,617	2,127	948	948	948	2	948	2	948	2,127	948	948	4	70	141	10	10
Minnesota.....	354	826	345	345	345	1	345	1	345	826	345	345	4	70	141	10	10
Missouri.....	223	620	229	229	229	1	229	1	229	620	229	229	4	70	141	10	10
Montana.....	24	24	24	24	24	1	24	1	24	24	24	24	4	70	141	10	10
Nebraska.....	523	229	229	229	229	2	229	2	229	229	229	229	4	70	141	10	10
New Hampshire.....	92	183	183	183	183	4	183	4	183	183	183	183	10	78	351	10	10
New Jersey.....	374	2,366	189	189	189	1	189	1	189	2,366	189	189	10	78	351	10	10
New Mexico.....	76	21	21	21	21	2	21	2	21	21	21	21	1	78	351	10	10
New York.....	2,274	2,039	789	789	789	3	789	3	789	2,039	789	789	20	46	4,778	253	253
North Carolina.....	53	41	41	41	41	4	41	4	41	41	41	41	1	69	40	40	40
North Dakota.....	1,805	4,227	491	491	491	3	491	3	491	4,227	491	491	24	140	1,013	191	191
Ohio.....	937	310	310	310	310	3	310	3	310	310	310	310	2	877	3,529	201	201
Oklahoma.....	362	2,288	411	411	411	45	411	45	411	2,288	411	411	10	429	722	18	18
Oregon.....	1,646	670	215	215	215	1	215	1	215	670	215	215	1	429	722	18	18
Pennsylvania.....	53	670	112	112	112	1	112	1	112	670	112	112	1	429	722	18	18
Rhode Island.....	220	171	171	171	171	2	171	2	171	171	171	171	7	68	283	35	35
South Dakota.....	379	263	40	40	40	1	40	1	40	263	40	40	20	68	283	35	35
Tennessee.....	11	43	43	43	43	1	43	1	43	43	43	43	4	35	389	290	290
Texas.....	158	870	870	870	870	66	870	66	870	870	870	870	4	35	389	290	290
Utah.....	509	436	436	436	436	4	436	4	436	436	436	436	3	8	294	290	290
Virginia.....	436	282	282	282	282	5	282	5	282	282	282	282	7	8	925	290	290
Washington.....	742	904	904	904	904	8	904	8	904	904	904	904	3	8	171	290	290
West Virginia.....	91	91	91	91	91	25	91	25	91	91	91	91	2	8	171	290	290
Wisconsin.....	17	17	17	17	17	7	17	7	17	17	17	17	1	8	171	290	290
Wyoming.....	410	410	410	410	410	1	410	1	410	410	410	410	1	8	171	290	290
Outlying parts of the United States.....	17	31	31	31	31	1	31	1	31	31	31	31	1	8	171	290	290
Hawaii.....	17	31	31	31	31	1	31	1	31	31	31	31	1	8	171	290	290
Philippine Islands.....	410	410	410	410	410	1	410	1	410	410	410	410	1	8	171	290	290

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	
Bohemian:										
Illinois.....	3			381	164					
Nebraska.....	1			2						
Czechoslovakian:										
Texas.....	4			51	38					
Danish:										
Minnesota.....	1			23						
Greek.....	13			214	142	63	8	69		
California.....	2			6	2		8			
Connecticut.....	1			17	12	9				
Massachusetts.....	2			102	69	24		15		
Michigan.....	1			18						
New Jersey.....	1			17						
New York.....	3			8						
Ohio.....	1			21	23	8		54		
Rhode Island.....	2			25	34	22				
Hawaiian:										
Hawaii.....	1			20						
Hebrew:										
Massachusetts.....	1							28		
Missouri.....	1							72		
Italian.....	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		
Norse.....	13			182	296			88		
Minnesota.....	5			162	182			88		
North Dakota.....	7			6	114					
Wisconsin.....	1			14						
Polish.....	11			598	310	19		75	120	
Illinois.....	6			344	163	19		75		
Michigan.....	2			156	78				120	
Wisconsin.....	3			98	69					
Swedish:										
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
Mathematics					
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	
Science					
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
Science—Continued.					
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 ¹	20			771	213
Bacteriology:					
Michigan.....	1				68
Utah.....	1				105
Gold assaying:					
California.....	1				21
Home mechanics.....					
	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	
Household science.....					
	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	
Photography.....					
	9			208	115
California.....	4			90	55
Colorado.....	1				42
Illinois.....	1			25	
New York.....	2			93	
Wisconsin.....	1				18
Radio.....					
	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 ¹	1			63	

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
	2	3	4	5	6
Science—Continued.					
Related science (HE)	14			614	110
Kentucky.....	7			117	57
Maryland.....	2			36	
Massachusetts.....	1			18	
North Dakota.....	3			40	53
Ohio.....	1			403	
Trade science:					
Massachusetts.....	1			42	
New York.....	4			1,481	
Civil service:					
California.....	1			28	28
Massachusetts.....	1			21	
Current events	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
Philippine Islands ¹	6			277	154
Current history	3			22	100
New Jersey.....	1				66
New Mexico.....	1			22	
Wisconsin.....	1				34
Hebrew history:					
Kansas.....	1			30	
History of civilization and history of mankind	16			853	
Iowa.....	2			58	
Louisiana.....	3			67	
New Hampshire.....	6			219	
New Jersey.....	3			450	
Texas.....	2			59	
Latin-American history	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
Canal Zone ¹	1			52	
Puerto Rico ¹	1				78

¹Not 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
Science—Continued.					
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
Oriental history:					
Ohio.....	1				33
Philippine Islands.....	46			287	6,543
Pan-Pacific relations:					
California.....	11			19	757
Spanish history.....					
	9				267
State history:					
Puerto Rico.....	10				267
Philippine Islands.....	57			6,332	2,426
History of transportation:					
California.....	1			23	
World government:					
Wisconsin.....	1			38	
Health and physical education:					
Accident prevention:					
Ohio.....	1			591	
Alcohol (effects of):					
California.....	1		103		
Red Cross.....					
	4			102	34
Illinois.....	2			80	22
Michigan.....	1				12
North Carolina.....	1			22	
Industrial subjects:					
Aeronautics.....					
	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
Industrial subjects—Continued.					
Banking	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
Basketry:					
Alabama.....	1	42		12	
California.....	5	71	87	53	157
Beauty culture	9		67	681	276
California.....	5		67	472	263
Minnesota.....	1			117	
Missouri.....	1			18	
New Mexico.....	1				13
Texas.....	1			74	
Blacksmithing:					
Kansas.....	1			40	
Oregon.....	1			383	
Bookbinding	10		727	209	376
Colorado.....	3			56	
Kentucky.....	1			35	
Massachusetts.....	1		727		363
Michigan.....	1				13
Minnesota.....	1			49	
New York.....	3			60	
Brick and stone masonry	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			
Broommaking:					
Texas.....	1				6
Building construction (including house painting)	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
Philippine Islands¹	5			354	

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		3	4	5	6
Industrial subjects—Continued.					
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

OFFERINGS AND REGISTRATIONS—HIGH-SCHOOL SUBJECTS. 93

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
Industrial subjects—Continued.					
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
Industrial subjects—Continued					
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:					
Indiana.....	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	
Indiana.....	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				56

^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
Miscellaneous—Continued					
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
Grammar.....	138			653	3,410
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	
How to study:					
Ohio.....	3			134	25
Lip reading:					
California.....	1				262
Motion-picture appreciation:					
California.....	1				18
Orientation.....	16			495	738
California.....	3			332	56
Delaware.....	1				82
Nebraska.....	8			44	160
New York.....	1				40
Ohio.....	1			110	
Oregon.....	1				23
Pennsylvania.....	1				377
Reviews.....	2			30	66
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
Miscellaneous—Continued.					
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	