Sealthe School Reports and Documents Annual Reports, 1921-1924

SUPERINTENDENT'S LETTER OF TRANSMITTAL 1921-1924

To the Board of School Directors, Seattle School District No. 1.

I have the honor to transmit herewith the report of the Seattle schools for the three years ending June, 1924.

The accomplishments of the period covered in this report should be accredited, to a large degree, to the work of my predecessor, Mr. Frank B. Cooper, who so ably directed the administration of the Seattle schools for more than twenty years. The high professional standards which he inspired in the corps are everywhere in evidence. I am grateful, indeed, to have been able to succeed so capable a leader.

Permit me to express to the Board of Directors and to my associates in the different departments of the school service, my appreciation of the support so generously given me.

Respectfully submitted,

THOMAS R. COLE

June 30, 1924.

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PART 1

PROGRESS IN THE GENERAL SCHOOL PROGRAM

during the triennial period that is just closing. idea of the progress that has been made in the system as a whole The purpose of this portion of the report is to give a general

special phases of the school work will be treated more fully in succeeding sections. Progress in the various units of the system and in certain

this triennial period under several main heads. These are: It is convenient to consider the general school progress of

- The Scope of the Seattle Public Schools.
- The Pupils.
- The Teachers.
- The Curriculum.
- The School Plant.
- The Administration of the Schools.

A. THE SCOPE OF THE SEATTLE PUBLIC SCHOOLS

following summary of work that is being carried on at present. The scope of the Seattle Public School system is shown by the

the first eight grades. The Elementary Schools, consisting of the kindergarten and

- 82 elementary schools. 25 kindergartens.
- 1,164 kindergarten children.
- kindergarten teachers
- 194 pupils in grades 1 to 8. 971 teachers of grades 1 to 8.
- The High Schools, consisting of grades nine to twelve.

- 8 high schools.
 7 courses.
 11,414 high school pupils.
 407 high school teachers.

are employed in industry, but who are required by the new The Part-time or Continuation Schools, for those pupils who

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Popular of Education Frontispi The Weekly Flag Salute Provide High School Provide A First Grade Classroom Equipped with Movable Furniture High School Class in Office Practice Practic

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nationalities were recently discovered in one school of 485 pupils. illustration. The following facts from a survey of the principal will serve as an number of nationalities represented. For example, twenty-five

100.00

Intelligence of Seattle Pupils

called group intelligence scale. This device was evolved by the World War that has been found serviceable in education is the so-The Use of Intelligence Tests-One of the by-products of the

> the declaration of the Armistice, the army tests were adapted for selection of candidates for officers' training camps. psychological staff of the United States Army as an aid in the many thousands of children and young people in various parts of schools and colleges and have been standardized through use with

should not be regarded as an instrument of diagnosis. It merely things being equal, he will do the best work. indicates the group to which a child belongs and in which, other The group intelligence test is a means for classification and

the giving of the test, the results are more reliable than those of instrument of diagnosis. Because of controlled conditions in The individual intelligence test, on the other hand, is

study is made of cases where there is a discrepancy between the factory for classification purposes, provided that an individual the group measure. results of the test and school progress. and expense must be considered. Where large groups of pupils are to be tested, however, time The group test is very satis-

school" movement, many of the overage pupils who formerly ment of our present compulsory school laws and the "back to of mental ability among the children in the same grade constiwere eliminated have returned to school. The wide divergence visors today. The wide differences in ability that may be found tutes one of the most complex problems before teachers and superin one class are illustrated on page 60. Differences in the Maturity of Pupils-Through the enforce-

proper classification, the Scattle Principals' Association requested in May, 1922 to 22,345 elementary school pupils above the second by unanimous vote, in April, 1922, that a city-wide intelligence grade under the direction of the Child Study Laboratory. In test be given. The Illinois Test was selected. The test was given order to secure uniformity of test procedure in all schools, a demonstration-conference was held. demonstrated and instructions were given for scoring papers. Testing Seattle Pupils-In order to study the problem of The test procedure was

Results were checked by the Child Study Laboratory, distributions made, grade medians for the city computed, and a graph

Progress in the General School Program

attendance law to attend school at least four hours per week until they are 18 years old

by the regular school work in first eight grades. The Opportunity Classes, for pupils who are too old to profit

147 pupils.

teachers.

ing are given regular school work in addition to special instruction in lip-reading. The School For the Deaf, where children with defective hear-

58 pupils.

5 teachers.

These include one class for children who are totally blind. The Sight Saving Classes, for children with defective vision.

such as stuttering, stammering, and lisping, are taught to speak naturally. The Speech Classes, where children who have speech defects, 4 teachers Two half-days per week are devoted to this in-

struction 123 pupils.

4 centers.

work of the regular grades are given individual instruction in The Special Classes, where children who are unable to do the 3 teachers.

small classes

374 pupils.

ogy. The Laboratory maintains: grade are given advice and guidance by experts in child psychol. cially gifted or who find difficulty in carrying the work of their The Child Study Laboratory, where children who are espe-19 teachers

The Observation Class, where exceptional children are studied for a brief period in order that their cases may be carefully diagnosed. The Orthopedic Hospital Classes, where children physically

handicapped are enabled to carry on their regular school work

workers who are anxious to advance. The Evening Schools, attended by those youthful and adult

3,487 students in academic and vocational classes 72 teachers.

1,523 students in Americanization classes, 12 months in the year. teachers.

students who are able to avoid failure or to earn advanced stand-Vacation Schools, for both elementary and high school

(Figures for the 1923 Vacation Schools)

679 pupils of elementary grades.

teachers.
pupils of high school grades.
teachers.

the Juvenile Court. The Detention Home Classes, for children under the care of

14 children.

committed there by the Juvenile Court of King County for delinparents of children committed. by the district, by the county, and from contributions from the parental, not penal. quency, dependency, or other legal reasons. The Parental Schools, maintained jointly from funds provided These schools care for children Their regime is

The Boys' Parental School, located on Mercer Island

112 boys. 5 teachers.

The Girls' Parental School, located at Brighton Beach

2 teachers.

THE PUPILS

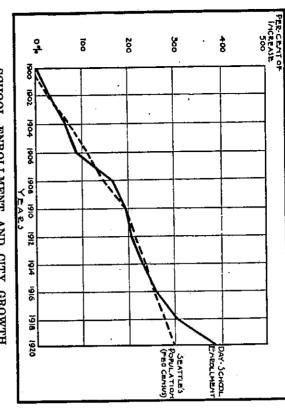
Nationalities Represented in the Schools

melting-pot into which children of widely variant racial inheritance are cast and through whose process of amalgamation they which individual Seattle schools are being called upon to perform eventually become true American citizens. This is a process The American public school is sometimes characterized as the

in varying degrees.

pot" function is already beginning to be apparent in the great Nevertheless, there are some buildings in which the "meltingvery few schools in which this condition will not be found. nantly American character of the school enrollment. Seattle has One of the things that impresses the visitor is the predomi

FIGURE II



SCHOOL ENROLLMENT AND CITY GROWTH

4. An Analysis of Enrollment Increases

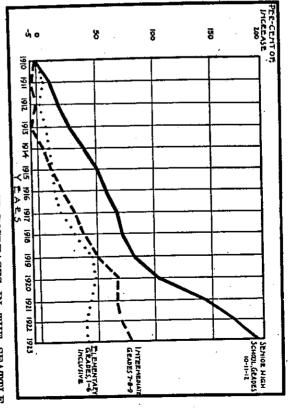
It has been shown that the number of school children has been increasing faster than the population of the city. It is important to learn whether these gains have come in the lower, in the intermediate, in the high school grades, or equally in all the grades. A careful analysis of enrollment increases by grades since 1910, represented in Figure III shows that the last possibility is distinctly not the case.

In this study the grades have been grouped as follows:

- 1. The elementary group, consisting of grades one to six.
- 2. The intermediate or junior high school group, consisting of grades seven to nine.
- 3. The senior high school group, comprising grades 10 to 12.

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FIGURE III



AN ANALYSIS OF ENROLLMENT INCREASES IN THE SEATTLE PUBLIC SCHOOLS, 1910-1923

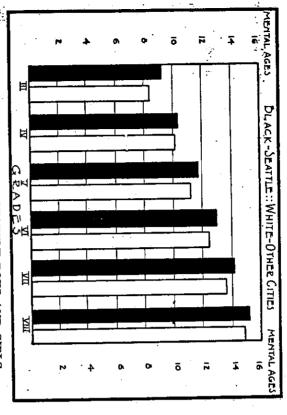
As revealed by the investigation, grades one to six have increased 40 per cent above the total enrollment for 1910, grades seven, eight and nine have gained 78½ per cent, while grades 10, 11 and 12 have made the remarkable growth of 194 per cent.

The following observations are suggested by Figure III.

- a. Greater persistence in school throughout the entire high school course since the year 1919 is indicated by the sharpness of the curve for Group 3 after that point.
- b. This is also shown by the upward trend of the curve for the intermediate group since 1915.
- c. Better progress through the grades is a possible reason for the decrease of enrollment in grades one to six since 1920. This group may also have been more affected by the post-war economic conditions than were the other two.

made for each building. Figure I shows that Seattle children exceeded the standard score in every grade.

FIGURE I



THE INTELLIGENCE OF SEATTLE BOYS AND GIRLS

Standards for the respective grades. Scores and Standards stated as as measured by the Illinois General Intelligence Scale, with the test "Mental Ages." Tests given May, 1922. A comparison of the intelligence of 22,345 Seattle pupils in grades 3-8

data from which the foregoing diagram was made and shows those made by large numbers of 10-year old children are said to returns from cities of the East and Middle West. grade, according to the test, compares with the standards set how the average mental age of Seattle boys and girls in each have a "mental age" of ten years. The following table gives the "mental age." That is, pupils whose scores equal the average of up by the author of the tests, who based them mainly upon In using Illinois scales, the results are stated in terms of

Progress in the General School Program

TABLE 1

3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		Grade
9 10 11 13 14	Years.	Mental Ages Seattle Children
210941	Months	l Ages Ohildren
######################################	Years	Standard A
187226	Months	Standard Mental Ages for Illinois Scales

RESULTS OF THE ILLINOIS GROUP INTELLIGENCE SCALE GIVEN MAY, 1922, IN GRADES 3B-8A

Giving Data from which Figure I has been prepared

studies made of individual pupils with the result that many buildachievement tests have been given by principals and diagnostic of grades 4 to 8 not previously tested. To aid in the study, time, the same test has been given once each year to all pupils and was the basis of a study for better classification. Since that ing adustments have been possible. This survey aroused the interest of principals and teachers

The Growth of the School Enrollment

third of a million in population in the short space of seventy years, son expressed in terms of per cent of increase over the respective during the same length of time. Figure II shows this comparienrollment between 1900 and 1920 as compared to civic growth is not the least. A study has been made of increases in school increasing number of children for which the schools must provide the problems of growth are numerous, and that of the continually figures for 1900. While the Federal census for 1920 showed that population, the enrollment of the day schools alone had gained Scattle as a city of homes is indicated by these figures. 379 per cent in the same length of time. The development of the city had added an increase of nearly 300 per cent to its 1900 In a community like Scattle that has come to be a city of a

Progress in Specialized Service

FIGURE XIV

schools, to aid diagnosis; elementary grade pupils, to assist in mentary grade pupils above grade 2A. (See graph on page 6). solving building problems; Illinois Intelligence Tests to all elebe adapted to their needs; failures and probation students in high All entering pupils in two high schools so that teaching may

ings. The following data show the number of intelligence tests ing June, 1923: given by the Child Study Laboratory during the two years end Individual Intelligence Tests-At Laboratory and in build

1921-1922 1922-1923

Group Intelligence Tests Individual Tests 2,11425,200 -1,2664,031

in the Observation Class. year. (See results on page 70). Achievement tests regularly used Woody Arithmetic Scales September and January of the current Achievement Tests-Assistance and consultation in giving the

Special Surveys in Elementary and High Schools

and Illinois Group Intelligence Tests, and the Stanford Achievegrades three to eight, inclusive, by means of the Otis, National, rating and the test results. Through this combination of educawhere there is an apparent discrepancy between the teacher's considered in this study. An individual intelligence test is given ment Tests. The teachers' ratings and nurses' ratings are both buildings. This survey includes the measurement of all pupils in of pupil capacities. This study is also mentioned upon page 62 ments worked out by means of this study will be of value to fication and guidance of pupils concerned, and in understanding ing carefully studied and evaluated will be helpful in the classitional-mental tests valuable data will be obtained, which after bethe whole system as clearing the way for a better understanding them as individuals. In addition, the procedure and adjust An intensive survey is being made of seven elementary grade

Other surveys made during the three year period are:

The relation of Otis score to teachers' ratings-511 high school

A comparison of teachers' ratings and Illinois score of pupils with Intelligence Quotient of 75 or below.

IILD STUDY DEPARTME UIAGRAM OF WORK

SCHOOLS | PARENTS STATE SIGHT" SPEECH DEAF OLLILISM PERMI DEBARRED ₩ORX HISTORY PARTY SUPERNORMAL | RETARDED PERSONAL (MEDICAL AGENCIES SENDING CHILDREN SCHOOL (MENTAL VEDAGOS- OBSERVATION PHYSKAL HISTORY - EXAMINATION/ICAL EXAM-) SOCIAL PEXAMINATION REALTIONS (MATION REALTIONS) PEDIC RETARDED PARENTAL PART THE LABORATORY RECOMMENDATIONS THE CHILD COURTS DIAGNOSIS CLASSES SOCIAL WORKER PHYSICIANS | PSYCHOPATHIC | DELINQUENT CHANGE OF OPPOR-EXAMINATIO DOUBLE RETURN TO GRADE TUTOR FOREIGN

THE WORK OF THE CHILD STUDY DEPARTMENT