

THE STATUS OF PHYSICAL EDUCATION FOR BOYS  
IN THE CLASS "B" HIGH SCHOOLS IN KANSAS IN 1945-1946

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By

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## PREFACE

This study of the status of physical education for boys in the class "B" high schools in the State of Kansas during the school year 1945-1946 is based upon the recorded data from 68 high schools. The study was concerned with physical activities of the recreational type in which the physical education instructors participated while in high school and in college, and those activities in which they earned a school letter while in high school and in college; the activities that were offered in the physical education program in school during the school term 1945-1946; and the physical and temporary equipment of the schools.

Due to the large number of schools from which information was sought the questionnaire method of survey was used, since this was the most appropriate method by which to secure the desired information.

## ACKNOWLEDGMENT

The author desires to express his appreciation to those persons who assisted in making this study possible: To Mr. James J. Kevin, Head of the Department of Health, Physical Education and Recreation, and to Mr. T. M. Evans, Instructor in the Department of Health, Physical Education and Recreation, Oklahoma Agricultural and Mechanical College, Stillwater, Oklahoma, for their advice and guidance in the compilation of this data; to Mr. C. C. Vinson, Director of Finance, Office of the Department of Public Instruction, Topeka, Kansas, for the use of the mailing list used in the distribution of the questionnaires; to Mr. Sol D. Dice, High School Supervisor, Office of the Department of Public Instruction, Topeka, Kansas, for the use of the manuals related to Health and Physical Education and the accrediting of teachers in High Schools in Kansas; and to all of the Administrators and Physical Education Instructors of the Class "B" High Schools in Kansas who contributed the information used in this study.

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## INTRODUCTION

We have just passed through a world strife. A period in which we as Americans came to realize more than ever our need for education of the body as well as the mind. During the recent war we saw the lack of physical education in many of our schools as it was exhibited by the large number disqualified for military service.

We witnessed the long hours of leisure which for many men were well spent in recreational activities. Also we observed those young men, who during their earlier life, were given no opportunity to come in contact with various activities for use in leisure time recreation.

There were those who were rejected from the military service being considered unfit either mentally or physically. Perhaps, as it was reasoned the "weaklings were a direct result of the failure of health and physical education".<sup>1</sup> It is our belief that, while in school, a portion of these men could have been prepared physically for duty thus lessening the time required to condition those that were inducted who had various remedial physical defects. Also these men could have been taught how to participate in activities which would have recreational value.

We have learned to realize the importance of and the need of physical education in our school systems. It is true that there have been athletics and sports activities long before the time that our

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<sup>1</sup> Leslie W. Irwin, "New Directions in Physical Education", Journal of Health and Physical Education, Vol. 17, No. 5, (May, 1946), 265.

country was discovered. Physical exercises and physical education were being developed in this country as early as the 1850's. We find through the work of "Bishop in Boston in 1852, Tice in St. Louis in 1855, Rickoff in Cincinnati in 1857,"<sup>2</sup> that they and many other men of this time were realizing the need for training of the body as well as the mind.

Today as in the past we face a condition which has existed in schools of all sizes and which has militated against successful programs of physical education. This condition has been the assigning of physical education classes to the coach of interscholastic athletics, regardless of his insufficient amount of proper training. Many times the athletic coaches have taught physical education classes and have "permitted the stress to fall on interscholastic sports therefore strifing the spirit and enthusiasm of the mediocre performers in the classes".<sup>3</sup> Many times the physical education classes are conducted in a way in which the pupils are allowed to play any game they wish, any way they wish, with no teaching, and very little supervision.

We are in need of physical education that will teach the fundamentals of various activities which have excellent carry-over values. We need physical education instructors who are capable of, and will offer physical education programs so successfully planned and taught that they will instill in the minds of the students and help the stu-

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<sup>2</sup> Emmett A. Rice, *A Brief History of Physical Education*, pp. 224-225.

<sup>3</sup> Leslie W. Irwin, *The Curriculum in Health and Physical Education*, p. 166.



dents to form such desirable traits as self control, sportsmanship, cooperation, teamwork, and desirable social traits. | Let us teach each pupil:

- "1. Skills in those forms of play that give pleasure and satisfaction to participation.
2. Knowledge and interest in sports that can be played after school and college days are past.
3. Appreciation of fine ways of play that gives pleasure and a generous attitude toward opponents."<sup>4</sup>

In preparing and administering a good physical education program in the high school the instructor should be vitally concerned with the interests of the individual students and plan activities in which they are interested or will become interested.

"Introductory work in preparing lesson plans is advisable. This is a way of planning the general order of events in which they are to come. Thus the time, activity and method can be accurately kept."<sup>5</sup>

There are schools which:

"fail to offer a program in physical education or teach recreational sports offering the excuse that they are lacking in facilities. It is possible to give a comprehensive knowledge of sports with some practice in the fundamentals regardless of whether ideal conditions exist."<sup>6</sup>

From the information obtained we can get a true picture of the physical education programs that were offered in the class "B" high

<sup>4</sup> Jesse F. Williams, and Wm. L. Hughes, Athletics in Education, p. 99.

<sup>5</sup> C. W. Crampton, The Pedagogy of Physical Training, p. 45.

<sup>6</sup> Leslie W. Irwin, Op. Cit., p. 176.

schools in Kansas during the school year 1945-1946. It is the desire of the author that this study will inspire the educators of Kansas to build larger and stronger physical education programs which will aid the next generations to progress physically as well as mentally.

## PROCEDURE

In thinking about the program of physical education that is being offered in the State of Kansas in the class "B" high schools many questions arise. What types of leadership, what variety of physical education facilities, and what credit requirements do we have? The author desired to know the facts concerning these questions and felt that a survey might instigate an effort to improve the conditions.

In order to make a study the questionnaire method was used. It consisted of two sections: (1) to the administrators of the class "B" high schools in the State of Kansas, and (2) to the physical education instructors of the class "B" high schools in the State of Kansas. A questionnaire accompanied by a letter of explanation was mailed to each of the 156 class "B" high schools in Kansas.

"The classification of a class "B" high school in Kansas is determined by the school having its work accredited by the Annual High School Principal's Organization Report which must be filed in the office of the State Department of Public Instruction not later than October 15 of each year, and each teacher of the school shall have not less than twelve college hours of preparation in the subject matter field and who shall have at least five college hours in the specific subject preparation."<sup>7</sup>

A stamped and return addressed envelope was enclosed with each of the 156 questionnaires that were mailed. The mailing list was

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<sup>7</sup> The Kansas High School Handbook, Department of Public Instruction, pp. 25-26.

<sup>8</sup> The Kansas Educational Directory, Department of Public Instruction, pp. 39-71.

contributed by the Office of the State Superintendent, Topeka, Kansas.<sup>8</sup>

The questionnaire was mainly a check list. A minimum number of questions dealing with the numbers of male students in the schools; credits required; sizes and numbers of facilities; type of play areas; ages, degrees, and years of experience of the physical education instructors; and the percentage of time allotted to the teaching of each activity required writing.

Seventy-five of the questionnaires were returned and sixty-eight of them contained information. One of the sixty-eight questionnaires did not contain a section to the Administrator and two of them did not contain a section to the Physical Education Instructor. Therefore, the results of the survey are taken from sixty-seven of the former and sixty-six of the latter.

The information was tabulated and the data was compiled into large charts containing units relative to the questions in the questionnaire. The charts were divided into sections I and II as were the questionnaires. "Section I" consisted of the information contributed by the school administrators and "Section II" consisted of the information contributed by the school physical education instructors. The units are separated by double lines marked close together. The units are arranged in the same order as the questions to which they pertain. The charts, with few exceptions, are self-explanatory.

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<sup>8</sup> The Kansas Educational Directory, Department of Public Instruction, pp. 39-71.

Numerous questions and units were unanswered, and many blanks were left unfilled. These have been tabulated and compiled along with the answers to which they pertain in order to give a true picture. They have been listed as "No Answer". Any additional information which was volunteered by the administrators or physical education instructors was tabulated and the data was compiled immediately following the "No Answer" tabulations, with the question or statement to which it pertained.

Only two questions were asked which concerned a second gymnasium, namely; does the school have a second gymnasium, and if so what is the size of it? There was no further questioning concerning the second gymnasium because the author merely desired to know how many class "B" high schools have a second gymnasium to aid us in visualizing the amount of physical education facilities they possess.

The number of schools represented for each question and the percent of schools were given for each item to aid in visualizing the picture more clearly. Each percent was obtained by dividing the number of schools represented for each item by the total number of schools represented in the questionnaires. Each item in "Section I" was represented by 67 schools; therefore each item was divided by 67. Each item in "Section II" was represented by 66 schools; therefore it was divided by the 66 represented.

The percentages were carried to two places past the decimal point. If the remainder was one-half or over the second number on the right of the decimal point was raised to the next higher number, but if less than one-half the number was left as previously. For this

reason the percents to the answers of many questions will total more than 100 percent and some will total less than 100 percent.

A copy of the letter and questionnaire which were mailed to each school is found on pages 9 to 15.

1307 Main Street  
Stillwater, Oklahoma  
May 3, 1946

Dear Fellow Teachers:

For graduate work in physical education, I am attempting, by means of the enclosed questionnaire, to make a survey of the physical education programs, facilities, and leadership in the Class "B" high schools in Kansas for the year 1945-1946.

In the survey I am seeking information from two sources, (1) the administrator of the school and, (2) the physical education instructor of the school.

I would appreciate very much your cooperation in helping me to make this study as extensive and inclusive as possible by checking the lists of items on the questionnaire and returning it to me at your earliest convenience.

Any information given by you will be held in strict confidence. However, I will be glad to send you results of this particular study if you so desire.

I believe this survey will have an educational value as it will give some idea regarding the types of programs now being offered and will help to plan larger programs in order to give students more carry-over value.

Thank you for the information.

Sincerely yours,

Douglas Moore

Enclosure

To the Administrators of the Class "B" High Schools in Kansas:

In order to make a study of the physical education programs and facilities being offered in Class "B" high schools in Kansas, I am asking your cooperation in filling out the following, concerning your school:

1. Is physical education compulsory\_\_\_\_\_or elective\_\_\_\_\_?
2. Does the physical education instructor coach competitive inter-scholastic athletics? Yes\_\_\_\_\_No\_\_\_\_\_.
3. What is the total number of male students in school?\_\_\_\_\_.
4. What is the total number of male students in physical education classes?\_\_\_\_\_.
5. What is the average size of your physical education classes?  
\_\_\_\_\_.
6. How many credits are given each student each year in physical education?\_\_\_\_\_.
7. How many credits are required in physical education toward graduation?\_\_\_\_\_.

Please mark with an "X" each of the following activities for which your school has adequate facilities and equipment to offer students for their participation:

Apparatus ( ), Archery ( ), Badminton ( ), Baseball (hardball) ( ), Baseball (softball) ( ), Basketball ( ), Boxing ( ), Football ( ), Football-touch ( ), Golf ( ), Gymnastics ( ), Handball ( ), Horseshoes ( ), Skating-roller ( ), Swimming ( ), Shuffleboard ( ), Table Tennis ( ), Tennis ( ), Track and Field ( ), Volleyball ( ), Wrestling ( ), Other Sports

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Please give the approximate measurements and mark with an "X" the correct blanks of the following:

A. Gymnasium

1. Gymnasium Rooms:
  - a. How many gymnasia?\_\_\_\_\_.
2. Location of the gymnasium
  - a. Is the ground floor at grade elevation\_\_\_\_\_or above\_\_\_\_\_?
  - b. Is it in a wing of the building? Yes\_\_\_\_No\_\_\_\_\_.
  - c. Does it have a southern exposure? Yes\_\_\_\_No\_\_\_\_\_.
  - d. Is it located so that it will permit close correlation of activities? Yes\_\_\_\_No\_\_\_\_\_.
3. Size of the gymnasia
  - a. Length of the first gym\_\_\_\_\_, second gym\_\_\_\_\_.
  - b. Width of the first gym\_\_\_\_\_, second gym\_\_\_\_\_.
  - c. Height under the lowest beam and trestle of the first gym\_\_\_\_\_, second gym\_\_\_\_\_.
4. Light and ventilation for the gymnasia:
  - a. Are the windows on the long sides\_\_\_\_\_or the ends\_\_\_\_\_?
  - b. Window area is 30\_\_\_\_\_, 25\_\_\_\_\_, 20\_\_\_\_\_, 15\_\_\_\_\_, 10\_\_\_\_\_, 5\_\_\_\_\_percent of the floor space.
  - c. How many artificial lights are on the ceiling?\_\_\_\_\_.
  - d. Do you have skylights? Yes\_\_\_\_No\_\_\_\_\_.
5. Walls
  - a. Are the walls glazed brick\_\_\_\_\_, oak wainscot with smooth brick\_\_\_\_\_, cement plaster wainscot with sand-finished plaster\_\_\_\_\_, unsurfaced concrete block\_\_\_\_\_?
6. Floors:
  - a. Do you have hard pine boards for the top flooring? Yes\_\_\_\_No\_\_\_\_\_.
  - b. Do you have a subfloor laid diagonally? Yes\_\_\_\_No\_\_\_\_\_.
  - c. Do you have oak for the top flooring? Yes\_\_\_\_No\_\_\_\_\_.
  - d. Do you have hard maple boards for the top flooring? Yes\_\_\_\_No\_\_\_\_\_.
  - e. Do you have wood blocks on end for upper floor? Yes\_\_\_\_No\_\_\_\_\_.
  - f. Do you have wood blocks on end laid upon concrete? Yes\_\_\_\_No\_\_\_\_\_.
  - g. Do you have a sound reducing material between the two floors? Yes\_\_\_\_No\_\_\_\_\_.

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## 7. Bleacher Space:

- a. Do you have "lifting tiers" for seats? Yes\_\_\_No\_\_\_.
- b. Do you have permanent bleachers on the long sides of the gym? Yes\_\_\_No\_\_\_.
- c. Do you have movable bleachers? Yes\_\_\_No\_\_\_.
- d. Can you seat more than half of your student body? Yes\_\_\_No\_\_\_.

## B. Service Facilities:

## 1. Locker and dressing room:

- a. You have an area of 30\_\_\_, 25\_\_\_, 20\_\_\_, 15\_\_\_, 10\_\_\_, 5\_\_\_ sq. ft. per pupil for the largest class.
- b. Does it adjoin the gym? Yes\_\_\_No\_\_\_.
- c. Is it readily accessible from the athletic field? Yes\_\_\_No\_\_\_.
- d. It contains seats for how many students? \_\_\_\_\_.
- e. It has 25\_\_\_, 20\_\_\_, 15\_\_\_, 10\_\_\_, 5\_\_\_ percent window area.
- f. Does it have sufficient pitch to allow water to drain off quickly? Yes\_\_\_No\_\_\_.
- g. Is the floor non-slip concrete\_\_\_, concrete with pulverized steel\_\_\_, tile\_\_\_?
- h. Does it have duck boards, flush with the floor leading to the drain? Yes\_\_\_No\_\_\_.
- i. Are the walls tile\_\_\_, brick\_\_\_, plaster\_\_\_, wood\_\_\_?
- j. The locker type is the individual basket\_\_\_, box\_\_\_, self-service\_\_\_.
- k. What is the length\_\_\_, width\_\_\_, and depth\_\_\_ of the lockers?

## 2. Shower Room:

- a. Is it adjacent to the locker room? Yes\_\_\_No\_\_\_.
- b. Easy to access from the gym\_\_\_, athletic field\_\_\_?
- c. Do you have fourteen sq. ft. of floor area for each shower head? Yes\_\_\_No\_\_\_.
- d. Do you have more than 6\_\_\_, 5\_\_\_, 4\_\_\_, 3\_\_\_, 2\_\_\_, 1\_\_\_ shower heads.
- e. Are your shower heads individually controlled and operated\_\_\_or are they gang controlled by an attendant or instructor\_\_\_?
- f. Windows and doors' sashes covered with copper? Yes\_\_\_No\_\_\_.
- g. Window area is 30\_\_\_, 25\_\_\_, 20\_\_\_, 15\_\_\_, 10\_\_\_, 5\_\_\_ percent of the floor area.
- h. The walls are marble\_\_\_, glazed tile\_\_\_, concrete\_\_\_.

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## 3. Sanitary Features:

- a. Do you have an entrance to the toilet from the shower\_\_\_ and locker room\_\_\_?
- b. Do you have windows in the toilet room? Yes\_\_\_No\_\_\_.
- c. Do you have tile\_\_\_or concrete\_\_\_floors?
- d. How many urinals\_\_\_toilets\_\_\_lavatories\_\_\_do you have?

## C. Auxilliary Room:

## 1. Physical education instructor's office:

- a. The length of the office is\_\_\_, the width is\_\_\_, the height is\_\_\_.
- b. Is it conveniently located for supervision of the athletic field\_\_\_, gym\_\_\_, shower and locker rooms\_\_\_?
- c. Is it equipped with a shower\_\_\_, toilet\_\_\_, closet\_\_\_?

## D. Outside Play Areas:

## 1. Surface:

- a. What is the top dressing of the football field\_\_\_\_\_, Baseball diamond\_\_\_\_\_, tennis courts\_\_\_\_\_, and running track\_\_\_\_\_?

## 2. Number of courts:

- a. How many tennis courts\_\_\_, horseshoe courts\_\_\_, baseball diamonds\_\_\_, and football fields\_\_\_do you have?

## 3. Bleachers:

- a. Do you have bleachers for these areas? Yes\_\_\_No\_\_\_.
- b. Do you have permanent bleachers\_\_\_or moveable bleachers\_\_\_?
- c. What is the seating capacity of the bleachers? \_\_\_\_\_.

## 4. Free area:

- a. How much free play area do you have which is not listed in the above mentioned areas? \_\_\_\_\_.

## E. Swimming Pool:

## 1. School swimming pool:

- a. Do you have a swimming pool? Yes\_\_\_No\_\_\_.
- b. What is the length\_\_\_\_\_, width\_\_\_\_\_?
- c. What is the depth of the pool at the deepest end\_\_\_\_\_, at the shallow end\_\_\_\_\_?

## 2. City swimming pool:

- a. Does your city have a pool? Yes\_\_\_No\_\_\_.
- b. Do you utilize the pool for physical education classes? Yes\_\_\_No\_\_\_.
- c. What is the depth of the pool at the deepest end\_\_\_\_\_, at the shallow end\_\_\_\_\_?

To the Physical Education Instructor:

Please fill out the following items concerning your training and experience in physical education:

Age \_\_\_\_\_ College Degrees \_\_\_\_\_

Total number of years of experience in teaching physical education

Give the number of years of experience in teaching physical education in each of the following:

Class "A" high schools \_\_\_\_\_.  
 Class "B" high schools \_\_\_\_\_.  
 Class "C" high schools \_\_\_\_\_.  
 Elementary schools \_\_\_\_\_.

Please mark with an "X" each of the following activities in which you earned a school letter and write in the number of years in which you lettered in each activity both in high school and college:

Activity	H.S.	No. of Years	College	No. of Years
Baseball				
Basketball				
Boxing				
Football				
Swimming				
Tennis				
Track and Field				
Other Sports				

Please mark with an "X" each of the following activities in which you participated while in high school and college:

High School:

Apparatus ( ), Archery ( ), Badminton ( ), Baseball(hardball) ( ),  
 Baseball(softball) ( ), Basketball ( ), Bicycling ( ), Boxing ( ),  
 Croquet ( ), Dancing ( ), Football ( ), Football(touch) ( ),  
 Golf ( ), Gymnastics ( ), Handball ( ), Hiking ( ), Horseshoes ( ),  
 Rope skipping ( ), Skating(ice) ( ), Skating(roller) ( ), Soccer ( ),  
 Swimming ( ), Table Tennis ( ), Tennis ( ), Track and Field ( ),  
 Tumbling ( ), Volleyball ( ), Weight-lifting ( ), Wrestling ( ),  
 Other sports \_\_\_\_\_

College:

Apparatus ( ), Archery ( ), Badminton ( ), Baseball(hardball) ( ),  
 Baseball(softball) ( ), Basketball ( ), Bicycling ( ), Boxing ( ),  
 Croquet ( ), Dancing ( ), Football ( ), Football(touch) ( ),  
 Golf ( ), Gymnastics ( ), Handball ( ), Hiking ( ), Horseshoes ( ),  
 Rope skipping ( ), Skating(ice) ( ), Skating(roller) ( ), Soccer ( ),  
 Swimming ( ), Table tennis ( ), Tennis ( ), Track and Field ( ),  
 Tumbling ( ), Volleyball ( ), Weight-lifting ( ), Wrestling ( ),  
 Other sports \_\_\_\_\_

Please fill in the percentage of time allotted to each of the following activities which you offer in your physical education program:

Apparatus ( %), Archery ( %), Badminton ( %), Baseball(hardball)  
 ( %), Baseball(softball) ( %), Boxing ( %), Football ( %),  
 Football(touch) ( %), Golf ( %), Gymnastics ( %), Handball ( %),  
 Horseshoes ( %), Skating(roller) ( %), Swimming ( %), Shuffleboard  
 ( %), Table tennis ( %), Track and Field ( %), Wrestling ( %),  
 Other sports \_\_\_\_\_

## RESULTS

In this survey one questionnaire was mailed to each of the 156 class "B" high schools in Kansas. Seventy-five of the questionnaires, or 48.08 percent of those mailed, were returned. No questionnaire was returned too late to be considered in the study. However, only 68, or 90.67 percent of the returned questionnaires contained information.

One section "To the Administrators of the Class "B" High Schools in Kansas", or 1.47 percent was not returned. Two sections "To the Physical Education Instructors of the Class "B" High Schools in Kansas", or 2.94 percent were not returned.

The information contributed by the Administrators was tabulated and the data compiled in the charts and units labeled "Section I". The percents were found by dividing the number of schools represented in each item by the 67 schools represented in contributing information.

The information contributed by the Physical Education Instructors was tabulated and the data was compiled in the charts and units labeled "Section II". The percents were found by dividing the number of schools represented in each item by the 66 schools represented in contributing information.

SECTION I

INFORMATION OBTAINED FROM THE ADMINISTRATORS OF CLASS "B"  
HIGH SCHOOLS IN KANSAS

	No. of Schools	% of Schools
<b>Physical Education:</b>		
Compulsory	40	59.70
Elective	10	14.93
Not offered	10	14.93
No answer	2	2.99
-----		
<b>Additional Information:</b>		
Physical Education is compulsory for ninth and tenth grades and elective for eleventh and twelfth grades.	2	2.99
Physical Education is compulsory for one year and elective three years.	1	1.49
Physical Education is compulsory for ninth grade and elective for tenth, eleventh, and twelfth grades.	1	1.49
Health Education is taught and is compulsory instead of Physical Education.	1	1.49
<hr/>		
<b>The Physical Education Instructor Coaches</b>		
<b>Competitive Athletics:</b>		
Yes	51	76.12
No	8	11.94
No answer	5	7.47
No instructor	3	4.48

	No. of Schools	% of Schools
<b>Total number of Male students in school:</b>		
0 - 10	5	7.46
11 - 20	17	25.37
21 - 30	24	35.32
31 - 40	7	10.45
41 - 50	2	2.99
51 - 60	4	5.97
61 - 70	1	1.49
No answer	5	7.46

-----  
**Additional Information:**

30 Students in school offering no Physical Education	1	1.49
40 Students in school offering no Physical Education	1	1.49

-----  
**Total number of male students in Physical Education  
Classes:**

0 - 10	7	10.45
11 - 20	20	29.85
21 - 30	22	32.84
31 - 40	6	8.96
41 - 50	3	4.48
51 - 60	2	2.99
No answer	7	10.45

-----  
The average number of male students in the schools is 24.8. The entire group could be handled nicely in each school in one physical education class.

The average total number of students in physical education classes is 22.17.



	No. of Schools	% of Schools
Total number of male students in average size Physical Education Classes:		
0 - 10	10	14.93
11 - 20	26	38.81
21 - 30	14	20.90
31 - 40	1	1.49
None	7	10.45
No answer	8	11.94

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Additional Information:

Average number of students in Physical Education classes varies	1	1.49
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The average size of the physical education classes as pictured from a whole, is 19.74 students which is a relatively small class.

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Number of credits given each student each year in  
Physical Education:

0	12	17.91
$\frac{1}{4}$	26	38.81
$\frac{1}{2}$	9	13.43
1	10	14.93
$\frac{1}{4}$ credit given yearly for Athletics	2	2.99
$\frac{1}{2}$ credit given Freshmen and Sophomores	1	1.49
Statement "We just give credit"	1	1.49
Statement "We just give credit for two years".	1	1.49
No answer	5	7.46

---

Number of credits required of each student  
toward graduation:

0	14	20.90
$\frac{1}{4}$	4	5.97
$\frac{1}{2}$	4	5.97
1	35	52.24
2	4	5.97
4	1	1.49
No answer	3	4.48
Two years on no credit basis	2	2.99

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ACTIVITIES FOR WHICH SCHOOL HAS ADEQUATE EQUIPMENT

	No. of Schools	% of Schools
Apparatus	1	1.49
Archery	2	2.99
Badminton	11	16.42
Baseball (Hardball)	51	76.12
Baseball (Softball)	64	95.52
Basketball	63	94.03
Boxing	21	31.34
Football	27	40.30
Football (Touch)	15	22.39
Gymnastics	11	16.42
Handball	5	7.46
Horseshoes	20	29.85
Skating (Roller)	4	5.97
Swimming	3	4.48
Shuffleboard	12	17.91
Table Tennis	38	56.72
Tennis	19	28.36
Track and Field	31	46.27
Volleyball	47	70.15
Wrestling	10	14.93

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Additional Information:

Dancing	1	1.49
Six man football	2	2.99
Soccer	1	1.49

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## NUMBER OF GYMNASIUMS

	No. of Schools	% of Schools
0	2	2.99
1	62	92.54
2	2	2.99

## Additional Information:

No gymnasium, Physical Education is taught in basement	1	1.49
Gymnasium used by school isn't owned by school nor located near it	1	1.49
No answer	1	1.49

## FIRST GYMNASIUM

Number of schools represented	67	100.
Number of gymnasia	62	92.54

## Location of gymnasia:

Ground floor or grade elevation	45	67.16
Above grade elevation	9	13.43
No answer	8	11.94

## Additional Information:

Below grade elevation	5	7.46
In the wing of the building	24	35.32
No	31	46.27
No answer	7	10.45
Does it have a southern exposure	30	44.78
No	28	41.79
No answer	9	13.43

## FIRST GYMNASIUM

	No. of Schools	% of Schools
Will it permit close correlation of activities	59	88.06
No	2	2.99
No answer	6	8.96
The gymnasium which is used by the school is not located in school building	1	1.49
Total number of first gymnasia owned by school	62	92.54

The size of the average gymnasium is 60 x 39 x 18 feet. This gymnasium is sufficient in size for the size of physical education classes.

Total number of schools represented	67	100.
Number of gymnasia	62	92.54

## Length:

40 - 50	2	2.99
51 - 60	12	17.91
61 - 70	22	32.84
71 - 80	21	31.34
81 - 90	2	2.99
91 -100	1	1.49
101 -110	1	1.49
111 -120	1	1.49

## Width:

25 - 35	18	26.86
36 - 45	35	52.24
46 - 55	5	7.46
56 - 65	3	4.48
66 - 75	1	1.49

## FIRST GYMNASIUM

	No. of Schools	% of Schools
<b>Height:</b>		
0 - 10	2	2.99
11 - 20	36	53.73
21 - 30	23	34.33
No answer	1	1.49
<hr/>		
No answer concerning size of gymnasium	5	7.46
<hr/>		
<b>Size of second gymnasium:</b>		
60 x 30 x 18	1	1.49
70 x 30 x 15	1	1.49
<hr/>		
Total number of schools represented:	67	100.
Number of gymnasia	62	92.54
<hr/>		
<b>Location of windows:</b>		
On long sides	41	61.19
On ends	3	4.48
<hr style="border-top: 1px dashed black;"/>		
<b>Additional Information:</b>		
On both long sides and both ends	5	7.46
On both long sides and one end	2	2.99
On one long side and two ends	5	7.46
On one long side and one end	4	5.97
No answer	7	10.45
<hr/>		
<b>Percentage of window area as compared to floor space:</b>		
30	12	17.91
25	12	17.91
20	21	31.34
15	3	4.48
10	8	11.94
5	5	7.46
No answer	6	8.96

## FIRST GYMNASIUM

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	No. of Schools	% of Schools
Total number of schools represented	67	100

---

## Number of lights on ceiling of first gymnasium:

0 - 5	10	14.93
6 - 10	38	56.72
11 - 15	12	17.91
16 - 20	2	2.99
No answer	5	7.46

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## Number of schools having skylights:

Yes	2	2.99
No	60	89.55
No answer	5	7.46

---

## Material used in construction of walls:

Glazed brick	9	13.43
Oak wainscot with smooth brick	2	2.99
Cement plaster wainscot with sand finish plaster	45	67.16
Unsurfaced concrete blocks	1	1.49
No answer	1	1.49

---

## Additional Information:

Glazed tile	1	1.49
Wood finish	1	1.49
Glazed brick and plaster	1	1.49
Glazed painted brick	1	1.49

---

## FIRST GYMNASIUM

	No. of Schools	% of Schools
Total number of schools represented	67	100

## Material used in construction of floors:

Hard pine boards for the top flooring	7	10.45
Hard maple boards for top flooring	40	59.70
Oak for the top flooring	11	16.42
Wood blocks on end for upper floor	1	1.49
Subfloor laid diagonally	40	59.70
Wood blocks on end laid upon concrete for subfloor	18	26.86
Sound reducing material between the two floors	11	16.42
No	48	71.64
No answer	1	1.49

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Additional Information:

Hard maple top flooring and maple subfloor on a concrete base	1	1.49
Concrete floor	1	1.49

The one concrete floor and the one floor containing wood blocks on end for upper flooring do not contain a subfloor.

## FIRST GYMNASIUM

	No. of Schools	% of Schools
Total number of schools represented	67	100
Number of First Gymnasias	62	92.54

## Bleacher space:

Lifting tiers for seats	9	13.43
Permanent bleachers on long sides of gymnasias	22	47.76
Movable bleachers	18	26.87
No answer	15	22.39

## Additional Information:

Permanent bleachers on one long side	1	1.49
Permanent bleachers in balcony on one long side	1	1.49
Only chairs for seats	1	1.49

## Can seat more than half of student body:

Yes	62	92.54
No answer	5	7.46

No schools had more than one type of bleachers in the gymnasium.



## SERVICE FACILITIES

	No. of Schools	% of Schools
Number of schools represented	67	100
Number of schools that contributed information on service facilities	63	94.03
Showers, toilet, dressing, and locker rooms combined	4	5.97
No service facilities	2	2.99
No answer pertaining to service facilities	4	5.97

## LOCKER AND DRESSING ROOM

Number of square feet per pupil:

30	3	4.48
25	4	5.97
20	9	13.43
15	11	16.42
10	13	19.40
5	18	26.86
No answer	9	13.43

Accessible to:

Gym	49	73.13
No	12	17.91
No answer	6	8.96
Athletic field	47	70.15
No	13	19.40
No answer	7	10.45

## SERVICE FACILITIES

## LOCKER AND DRESSING ROOM

	No. of Schools	% of Schools
Number of schools represented	67	100
Schools that answered unit on Service Facilities	63	94.03

## Seats how many pupils:

0 - 10	20	29.85
11 - 20	28	41.79
21 - 30	4	5.97
31 - 40	1	1.49
41 - 50	0	0
51 - 60	1	1.49
No answer	13	19.40

## Window space what percent of floor space:

25	7	10.45
20	12	17.91
15	5	7.46
10	12	17.91
5	18	26.86
0	1	1.49
No answer	12	17.91

## Sufficient pitch to allow water drainage:

Yes	46	68.66
No	14	20.90
No answer	7	10.45

The average school will seat thirteen students in the locker  
and dressing rooms.

## SERVICE FACILITIES

## LOCKER AND DRESSING ROOM

	No. of Schools	% of Schools
Number of schools represented:	67	100
Schools that answered unit on Service Facilities	63	94.03
<b>Material used in construction of floors:</b>		
Non-slip concrete	50	74.64
Concrete with pulverized steel	1	1.49
Tile	3	4.48
No answer	10	14.93
<b>Additional Information:</b>		
Concrete	1	1.49
Shower, toilet, dressing and locker rooms are combined and have concrete floor	2	2.99
<b>Duckboard:</b>		
Yes	15	22.39
No	45	67.16
No answer	7	10.45

## SERVICE FACILITIES

## LOCKER AND DRESSING ROOM

	No. of Schools	% of Schools
Number of schools represented	67	100.
Schools that answered unit on Service Facilities	63	94.03

## Material used in construction of walls:

Tile	4	5.97
Brick	7	10.45
Plaster	41	61.19
Wood	2	2.99
No answer	9	13.43

## Additional Information:

Cement	1	1.49
Plaster and brick	2	2.99
Wood and plaster	1	1.49

## SERVICE FACILITIES

## LOCKER AND DRESSING ROOM

	No. of Schools	% of Schools
Number of schools represented	67	100.
Schools that answered unit on Service Facilities	63	94.03

## Types of lockers:

Individual basket	10	14.93
Box	24	35.32
Self-service	12	17.91
No answer	18	26.86

## Additional Information:

Nails and hooks	1	1.49
Hooks and Shelves	1	1.49
Steel lockers inside of gymnasium but no size given	1	1.49

SERVICE FACILITIES  
LOCKER AND DRESSING ROOM

	No. of Schools	% of Schools
Number of schools represented	67	100.
Schools that answered unit on Service Facilities	63	94.03
<hr/>		
Length of lockers:		
10" - 20"	4	5.97
21" - 30"	12	17.91
31" - 40"	10	14.93
41" - 50"	3	4.48
51" - 60"	10	14.93
61" - 70"	0	0
71" - 80"	7	10.45
<hr/>		
Width of lockers:		
0" - 10"	8	11.94
11" - 20"	28	41.79
21" - 30"	4	5.97
No answer	6	8.96
<hr/>		
Depth of lockers:		
0" - 10"	10	12.92
11" - 20"	25	37.31
21" - 30"	3	4.48
No answer	8	11.94

Two schools had only nails, hooks and shelves, one school had steel lockers in gymnasium, but gave no size and forty-six had lockers. Eighteen schools did not answer the part of the unit containing questions pertaining to the lockers.

## SERVICE FACILITIES

## SHOWER ROOM

	No. of Schools	% of Schools
Total number of schools represented	67	100.
Schools that answered unit on Service Facilities	63	94.03
Adjacent to the locker room:		
Yes	56	83.58
No	4	5.97
No answer	7	10.45
Easily accessible from the gymnasium:		
Yes	57	85.07
No	5	7.46
No answer	5	7.46
Easily accessible from the athletic field:		
Yes	28	41.79
No	18	26.86
No answer	21	31.34
Fourteen square feet of floor space per shower head:		
Yes	28	41.79
No	24	35.32
No answer	15	22.39

## SERVICE FACILITIES

## SHOWER ROOM

	No. of Schools	% of Schools
Total number of schools represented	67	100.
Schools that answered unit on Service Facilities	63	94.03

## Number of shower heads:

More than 6	4	5.97
5	1	1.49
4	7	10.45
3	8	11.94
2	21	31.34
1	19	28.36
0	0	0
No answer	7	10.45

## Shower heads are:

Individually controlled	56	83.58
Gang controlled	2	2.99
No answer	9	13.43



## SERVICE FACILITIES

## SHOWER ROOM

	No. of Schools	% of Schools
Total number of schools represented	67	100
Schools that answered unit on Service Facilities	63	94.03
Window and door sashes covered with copper:		
Yes	6	8.96
No	54	81.00
No answer	7	10.45
Percentage of window area to floor space:		
25	3	4.48
20	8	11.94
15	8	11.94
10	15	22.39
5	12	17.91
0	2	2.99
No answer	19	28.36

## SERVICE FACILITIES

## SHOWER ROOM

	No. of Schools	% of Schools
Total number of schools represented	67	100
Schools that answered unit on Service Facilities	63	94.03
Material used in construction of the walls:		
Marble	0	0
Concrete	50	74.64
Glazed Brick	5	7.46
No answer	7	10.45
Additional Information:		
Plaster	3	4.48
Sheet Metal	1	1.49
Wood wainscot and plaster	1	1.49

## SERVICE FACILITIES

## SANITARY FEATURES

	No. of Schools	% of Schools
Total number of schools represented	67	100
Schools that answered unit on Service Facilities	63	94.03
TOILET		
Entrance to shower room:		
Yes	34	50.74
No	15	22.39
No answer	18	26.86
Entrance to locker room:		
Yes	30	44.78
No	19	28.36
No answer	18	26.86
Schools with toilets having windows:		
Yes	54	81.
No	5	7.46
No answer	8	11.94
Additional Information:		
Outdoor toilet	1	1.49

## SERVICE FACILITIES

## SANITARY FEATURES

	No. of Schools	% of Schools
Total number of schools represented	67	100
Schools that answered unit on Service Facilities	63	94.03
Material used in construction of floors:		
Tile	1	1.49
Concrete	54	81.00
No answer	10	14.93
Additional Information:		
Wood	2	2.99
Shower room has a wooden floor and is not subject to water there is no drain -	1	1.49

## SERVICE FACILITIES

## SANITARY FEATURES

	No. of Schools	% of Schools
Total number of schools represented	67	100
Schools that answered unit on Service Facilities	63	94.03
Number of urinals:		
0	2	2.99
1	33	49.25
2	17	25.37
3	2	2.99
No answer	12	19.40
Number of toilets:		
1	8	11.94
2	16	23.88
3	18	26.86
4	11	16.42
5	1	1.49
6	1	1.49
8	1	1.49
No answer	11	16.42
Number of lavatories:		
1	39	58.20
2	8	11.94
3	2	2.99
4	1	1.49
No answer	17	25.37
Additional Information:		
Schools having urinals, toilets and lavatories but gave no number	1	1.49

## AUXILIARY ROOM

	No. of Schools	% of Schools
Total number of schools represented	67	100
Number of schools having auxiliary rooms	15	22.39

## Size of Physical Education Instructor's Office:

## Length:

6' - 8'	3	4.48
9' - 11'	5	7.46
12' - 14'	5	7.46
15' - 17'	2	2.99
No	30	44.78
No answer	22	32.84

## Width:

3' - 5'	3	4.48
6' - 8'	7	10.45
9' - 11'	5	7.46
No	30	44.78
No answer	22	32.84

## Height:

6' - 8'	6	8.96
9' - 11'	6	8.96
12' - 14'	3	4.48
No	30	44.78
No answer	22	32.84

## AUXILIARY ROOM

	No. of Schools	% of Schools
Total number of schools represented	67	100
Number of schools having auxiliary rooms	15	22.39

## Conveniently located -

## For supervision of Athletic Field:

Yes	12	17.91
No	3	4.48
No answer	52	77.61

## For supervision of gymnasium:

Yes	15	22.39
No answer	52	77.61

## For supervision of locker and shower room:

Yes	13	19.40
No	2	2.99
No answer	52	77.61

## AUXILIARY ROOM

	No. of Schools	% of Schools
Total number of schools represented	67	100
Number of schools having auxiliary room	15	94.03
Physical Education Instructor's office is equipped with a shower:		
Yes	1	1.49
No	14	20.90
No answer	52	77.61
Physical Education Instructor's office is equipped with a toilet:		
Yes	1	1.49
No	14	20.90
No answer	52	77.61
Physical Education Instructor's office is equipped with a closet:		
Yes	10	14.93
No	5	7.46
No answer	52	77.61

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## OUTSIDE PLAY AREA

	No. of Schools	% of Schools
Total number of schools represented	67	100
Total number of schools that answered the unit pertaining to Outside Play Areas -	60	89.55
Surface of football fields:		
Grass	20	29.85
Sod	6	8.96
Dirt	7	10.45
No field	11	16.42
No answer	23	34.33
Surface of baseball diamonds:		
Grass	23	34.33
Sand	2	2.99
Dirt	20	29.85
Sod	3	4.48
No diamond	10	14.93
No answer	9	13.43
Surface of tennis courts:		
Dirt	12	17.91
Sand	6	8.96
Gravel	2	2.99
Native Grass	2	2.99
No courts	8	11.94
No answer	37	55.22

## OUTSIDE PLAY AREA

	No. of Schools	% of Schools
Total number of schools represented	67	100
Total number of schools that answered the unit pertaining to Outside Play Areas -	60	89.55
Surface of running tracks:		
Sand	6	8.96
Gravel	2	2.99
Cinders	3	4.48
Dirt	12	17.91
Sod	1	1.49
Grass	5	7.46
No tracks	11	16.42
No answer	27	40.30
Number of tennis courts:		
0	8	11.94
1	10	14.93
2	11	16.42
3	1	1.49
No answer	37	55.22
Number of Horseshoe courts:		
0	26	38.81
1	17	25.37
2	3	4.48
4	1	1.49
No answer	20	29.85
Number of Baseball diamonds:		
0	10	14.93
1	45	67.16
2	3	4.48
No answer	9	13.43

## OUTSIDE PLAY AREA

	No. of Schools	% of Schools
Total number of schools represented	67	100
Total number of schools that answered the unit pertaining to Outside Play Areas -	60	89.55
<b>Additional Information:</b>		
Baseball diamond located at grade school instead of high school	1	1.49
<b>Number of Football Fields:</b>		
0	11	16.42
1	33	49.25
No answer	23	34.33
<b>Additional Information:</b>		
Football field located at grade school instead of high school	1	1.49
<b>Schools that have bleachers:</b>		
Yes	11	16.42
No	45	67.16
No answer	11	16.42
<b>Type of bleachers:</b>		
Permanent	6	8.96
Movable	5	7.46
No answer	56	83.58

## OUTSIDE PLAY AREA

	No. of Schools	% of Schools
Total number of schools represented	67	100
Total number of schools that answered the unit pertaining to Outside Play Areas -	60	89.55

## Seating capacity of bleachers:

50	4	4.97
70	1	1.49
75	1	1.49
150	1	1.49
200	3	4.48
300	1	1.49
No answer	56	83.58

FREE PLAY AREA

## Amount of Free Play Area:

Plenty	1	1.49
7 Acres	1	1.49
5 Acres	6	8.96
4 Acres	1	1.49
2 Acres	8	11.94
1½ Acres	2	2.99
1 Acre	10	14.93
½ Acre	4	5.97
¼ Acre	2	2.99
No	8	11.94
No answer	24	35.32

## SWIMMING POOLS

	No. of Schools	% of Schools
Total number of schools represented	67	100
Schools that have a swimming pool:		
Yes	1	1.49
No	59	88.06
No answer	7	10.45
No answer regarding size or depth	1	1.49
City swimming pool:		
Yes	6	8.96
No	58	86.57
No answer	3	4.48
Do not utilize pool for Physical Education Classes:		
Yes	5	7.46
No answer	1	1.49
Depth of pool at deepest end:		
10'	2	2.99
9'	1	1.49
8'	1	1.49
No answer	2	2.99
Depth of pool at shallow end:		
3'	2	2.99
2½'	2	2.99
No answer	2	2.99

## SECTION II

INFORMATION CONTRIBUTED BY THE PHYSICAL EDUCATION INSTRUCTORS  
OF CLASS "B" HIGH SCHOOLS IN KANSAS

	No. of Schools	% of Schools
Number of schools represented	66	100
Number of schools that had a Physical Education Instructor	52	78.79
Ages of Physical Education Instructors:		
20 - 30	7	10.61
31 - 40	19	28.79
41 - 50	19	28.79
51 - 60	7	10.61
No answer	14	21.21
College Degrees:		
BA	7	10.61
BS	17	25.76
MA	3	4.55
MS	1	1.52
AB and MA	6	9.09
BA and MS	4	6.06
BS and MA	6	9.09
BS and MS	7	10.61
BS and LLD	1	1.52
No answer	14	21.21

	No. of Schools	% of Schools
Number of schools represented	66	100
<b>Total number of years in teaching Physical Education:</b>		
0 - 5	18	27.27
6 - 10	15	22.73
11 - 15	6	9.09
16 - 20	8	12.12
21 - 25	3	4.55
26 - 30	2	3.03
No answer	14	21.21
<b>In Class "A" High Schools:</b>		
0 - 5	8	12.12
6 - 10	2	3.03
11 - 15	1	1.52
<b>In Class "B" High Schools:</b>		
0 - 5	14	21.21
6 - 10	6	9.09
11 - 15	4	6.06
16 - 20	3	4.55
21 - 25	1	1.52
<b>In Class "C" High Schools:</b>		
0 - 5	6	9.09
6 - 10	1	1.52
<b>In Elementary Schools:</b>		
0 - 5	4	6.06
<b>In Junior High Schools:</b>		
0 - 5	1	1.52
6 - 10	1	1.52

ACTIVITIES IN WHICH PHYSICAL EDUCATION INSTRUCTOR PARTICIPATED  
WHILE IN HIGH SCHOOL

ACTIVITIES	No. of Schools	% of Schools
Apparatus	8	12.12
Archery	1	1.52
Badminton	5	7.58
Baseball (Hardball)	37	56.06
Baseball (Softball)	23	34.85
Basketball	46	69.70
Bicycling	6	9.09
Boxing	14	21.21
Croquet	7	10.61
Dancing	8	12.12
Football	25	37.88
Football (Touch)	8	12.12
Golf	5	7.58
Gymnastics	21	31.82
Handball	11	16.67
Hiking	8	12.12
Horseshoes	18	27.27
Rope Skipping	6	9.09
Skating (Ice)	15	22.73
Skating (Roller)	11	16.67
Soccer	13	19.70
Swimming	15	22.73
Tennis	21	31.82
Table Tennis	16	24.24
Track and Field	28	42.42
Tumbling	8	12.12
Volleyball	21	31.82
Weight Lifting	2	3.03
Wrestling	10	15.15
None	1	1.52
No answer	2	3.03

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Additional Information:

Scooter	1	1.52
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ACTIVITIES IN WHICH PHYSICAL EDUCATION INSTRUCTOR PARTICIPATED  
WHILE IN COLLEGE

ACTIVITIES	No. of Schools	% of Schools
Apparatus	9	13.64
Archery	2	3.03
Badminton	7	10.61
Baseball (Hardball)	22	33.33
Baseball (Softball)	19	28.79
Basketball	33	50.
Bicycling	2	3.03
Boxing	8	12.12
Croquet	1	1.52
Dancing	9	13.64
Football	25	37.88
Football (Touch)	7	10.61
Golf	7	10.61
Gymnastics	17	25.76
Handball	13	19.70
Hiking	6	9.09
Horseshoes	10	15.15
Rope skipping	1	1.52
Skating (Ice)	6	9.09
Skating (Roller)	5	7.58
Soccer	6	9.09
Swimming	11	16.67
Tennis	17	24.24
Table Tennis	12	18.18
Track and Field	24	36.36
Tumbling	11	16.67
Volleyball	17	25.76
Weight Lifting	2	3.03
Wrestling	6	9.09
No answer	7	10.61

Additional Information:

Very little	1	1.52
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PERCENTAGE OF TIME ALLOTTED TO PHYSICAL ACTIVITIES IN PHYSICAL EDUCATION CLASSES

	0 - 10%		11 - 20%		21 - 30%		31 - 40%		41 - 50%		51 - 60%	
ACTIVITIES	No. of Schools	% of Schools	No. of Schools	% of Schools	No. of Schools	% of Schools	No. of Schools	% of Schools	No. of Schools	% of Schools	No. of Schools	% of Schools
Apparatus	1	1.52										
Archery												
Badminton			2	3.03	2	3.03					1	1.52
Baseball(Hardball)	5	7.58	9	13.64	7	10.61	2	3.03				
Baseball(Softball)	4	6.06	3	4.55	1	1.52	2	3.03				
Boxing	3	4.55										
Football					6	9.09	1	1.52	1	1.52		
Football(Touch)	3	4.55	1	1.52	1	1.52	2	3.03				
Golf							1	1.52				
Gymnastics	5	7.58	3	4.55								
Handball	1	1.52										
Horseshoes	7	10.61										
Skating (Roller)	1	1.52										
Shuffleboard	3	4.55										
Swimming	1	1.52										
Table Tennis	4	6.06										
Track and Field	3	4.55										
Wrestling												

No answer from two schools or 3.03 percent.

Additional Information:

Basketball			5	7.58	1	1.52	7	10.61	7	10.61		
Tennis	1	1.52										
Volleyball	2	3.03										

## CONCLUSIONS

This study is based upon the recorded data from the questionnaires obtained from 68 Class "B" high schools in the State of Kansas. A general summary of the data shows that only one-half of the schools offered physical education as a required course, most of them giving one-fourth credit annually and one credit toward graduation.

There is a tendency toward allowing the coach of interscholastic competitive athletics to teach physical education. This is advantageous to the schools because the number of male students in the schools ranges from 8 to 62, with the largest average physical education class carrying only 40 students; therefore it is not an overload for the instructor thus necessitating one less teacher.

The majority of the schools had facilities to offer baseball (hardball and softball), basketball, table tennis, and volleyball. Fewer than one-half offered football but for competitive athletics mostly.

One small or average sized gymnasium is located on the ground floor of most of the school buildings. We find only two schools with more than one gymnasium, which is not an alarming fact considering the small sizes of the schools.

The window space as compared to the floor space is insufficient in the gymnasiums as are the service facilities if we think in terms of the facilities for the students as a whole. Skylights are absent in all excepting two schools. The seating capacity of the gymnasiums whether permanent or movable is sufficient. The majority of the walls in the gymnasium are constructed with oak wainscot with smooth brick

and the floors with hard maple boards for top flooring and a subfloor laid diagonally.

Too many of the schools have insufficient service facilities. The locker, shower, and dressing rooms are too small in comparison to the number of students they serve. The lockers are large enough for convenient accommodation. The sanitary features are inadequate considering the fact that approximately one-half of them have only one urinal and one lavatory each. A very small percent of the schools have auxiliary rooms which allows us to presume that little stress has been placed upon instruction in physical education.

Swimming, an important activity, is completely absent in physical education programs, and only one school has a pool.

The top surfacing of the outside play areas varied. The tendency was toward grass top surfacing for the football fields, and dirt was used for the running track, the baseball diamond, and the tennis courts of the schools. Sand was used for the latter three areas to a lesser extent. All excepting two schools had five acres or less of free play area which is an insufficient amount of space for students to express themselves physically in sports of their own choice and interests.

Perhaps due to the war the largest number of physical education instructors were from 41 to 50 years old, and they averaged less than 11 years of teaching experience in physical education which was for the most part in Class "B" high schools. The majority of these instructors earned their high school letter in the more common sports of baseball, basketball, football, and track and field events. The same was true in college with the exception that very few earned letters in baseball.

As the charts on pages 48 and 49 will show, the physical education instructors have a very limited background in the participation of sports in gymnasium classes in high school and college which can be used in recreation or leisure time.

The major portion of time in physical education classes was allotted to the teaching and coaching of those sports which are used in interscholastic athletics.

Various activities and sports may be taught in physical education classes. The fundamental skills are sufficient for instruction and the student can carry the knowledge into later life in order to become more proficient in the sports of his own choice.

The schools in Kansas may very profitably obtain new facilities for a more varied physical education program and employ a trained and capable instructor which will make the instruction and results tangible. Let us profit by our recent lesson and act intelligently and diligently in order to give the present and future generations the advantages which are in our grasp to offer them.

## SUGGESTIONS

It is apparent that changes in the present conditions, in a majority of the Class "B" high schools in Kansas, must be made if the students are going to be given the opportunities that they deserve. We have been taught a lesson and we now have public interests and opinion with us. Now is the time for us to act.

Many of the schools could profit if they were to use a process of redistricting where it is advisable, and use consolidation in some cases. This would bring more students together socially. It would allow for the establishing of a better and wider variety of physical education equipment and, therefore, a much more extensive program. Above all, more money would be accessible to each school for their purchasing better equipment and employing more experienced and capable physical education instructors to teach and direct a valuable and stimulating program.

To accomplish this program improved roads and adequate transportation would be necessary in some communities. A State Director of Health and Physical Education would be necessary, because

"At the present time there is no such position in the State Department of Public Instruction. Duties that would fall to one bearing that title are administered through the Kansas State Board of Health."<sup>9</sup>

A successful program of physical education can be planned and put into operation in each school only if the state and local boards of education, the teachers, parents, and students cooperate and work together in unison.

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<sup>9</sup> Sol D. Dice, unpublished letter to author, June 14, 1946.

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