A STUDY OF THE IE ISURE TIME ACTIVITIES OF THE BOYS

OF BIG SPRING HIGH SCHOOL DURING THE SCHOOL

YEAR 1948-1949 AND THE SUMMER OF 1949

WITH RECOMMENDATIONS FOR THE FUTURE

DEVELOPMENT OF THE HIGH SCHOOL

PHYSICAL EDUCATION AND

THE CITY RECREATION

PROGRAM

APPROVED:

Ma for Professor

Minor Professor

Director of the Department of Physical Education

ean of the Graduate Council

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THESIS

Presented to the Graduate Council of the North .

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CHAPTER I

INTRODUCTION

The increasing emphasis in recent years on the importance of the nation's educational program of preparing individuals for wise use of leisure cannot be ignored by those who are responsible to some degree for the guidance of youth. "The training of the youth and adult alike for constructive use of their spare time is surely one of the major objectives of modern education. Recreation and education are parallel needs." A study of literature shows that training for leisure time activities should begin early in life.

The leisure time activities in the field of physical education have particular significance because of the fact that they serve a dual purpose - A leisure time activity and a body maintaining activity. The casual observer will realize that an adult will participate in the activities in which he became skilled in childhood. He became skilled in childhood on this interpretative level where he learned the meaning of muscular and organic levels.

In our modern world there seems to be a trend to overlook the interests and needs of youth today. Educators and recreation leaders appear to depend too much on curriculums that do not meet the needs of a given locale.

H. M. Ball, Youth Tell Their Story, Foreword.

J. B. Nash, The Administration of Physical Education, pp. 125-126.

The curriculum should be created to fit the needs of adolescent boys and girls, enabling them to explore their interests and abilities and bringing them into contact with influences that give direction and purpose to their lives.3

Because of this trend the investigator decided to make a study of the leisure time activities of the boys of Big Spring High School, as indicated by their participation, with recommendations for the curriculum of the physical education department and to the recreation program of the city of Big Spring.

Purposes of the Study

The purposes of this study were: (1) to determine by grade groups how the boys of Big Spring High School spend their leisure time, (2) to gain information for use in broadening the instruction in physical education and recreation, (3) to have information for possible recommendations for the physical education department and city recreation program.

Definition of Terms

The terminology used in this study will correspond to that found in the field of education and in similar surveys. The following definitions will be used:

J. W. Crabtree, "Creating a Curriculum for Adolescent Youth", Research Bulletin of the National Education Association, VI. (January, 1928), 4.

- 1. High school students are those students in the ninth, tenth, eleventh, and twelfth grades.
- 2. Experts, according to Webster, are those having special skill in a field of action. 5
- 3. Leisure time, as used in this study, is that time free from employment, study, or mandatory duties.

Limitations of the Study

This study was limited to the leisure time activities of the boys of Big Spring High School during the school year 1948-1949 and the summer months, June, July, and August of 1949.

Source of Data

The data for this study were accumulated from the following sources: (1) a questionnaire designed to gather information concerning the Leisure time activities in which the boys participated, (2) personal observation, (3) records of the city of Big Spring, (4) and similar studies.

Treatment of Data

The data were tabulated and handled under the following divisions: (1) student participation (2) whether facilities used were home, public or commercial, (3) the number of hours spent by the student in participation of each activity, and (4) the favorite activities listed by the student.

⁴Big Spring High School is an 8-4 school.

Noah Webster, New American Dictionary, p. 339.

Procedure and Method

The questionnaire was used in the acquisition of the data for this study. Experts approve of the questionnaire's usefulness in research studies. "It is an important instrument in the normative type of research." L. B. Koos found that out of 531 printed studies about one-fourth used questionnaires. Koos also lists the following points for justification of the use of the questionnaire: (1) the questionnaire reaches a large number of people, (2) the questionnaire is objective and impersonal in nature.

The investigator studied questionnaires used in similar studies before constructing the questionnaire. Experts in the field of leisure time activities contributed advice in the construction of the questionnaire. The questionnaire was then constructed and given to one class of students. The difficulties that the students encountered were then used as guides in the revision of the questionnaire. After all revisions had been made the questionnaire was then administered to the physical education classes for boys.

The investigator explained to each class the probable values to be received from the questionnaire. He also

Carter Good, A. S. Barr, and Douglas Scates, Methodology of Educational Research, p. 325.

⁷L. B. Koos, The Questionnaire in Education, pp. 6-13.

8 Ibid., pp. 159-166.

explained that the boy's name did not have to appear on the questionnaire and that there would be no personal check made of their work. The investigator also gave each group his promise that a copy of the results of the completed study would be made available in the school library for each student to see.

Related Studies

Jess E. Cearley made a study concerning interests of boys with adult supervision and without supervision to be used in the preparation of a physical education curriculum for the junior high schools of Amarillo.

Mildred Mitchell Ratliff made a study surveying the leisure time activities of the girls of Big Spring High School. The purpose of this study was to determine whether the public school was preparing the students for the wise use of leisure time. 10

Jess E. Cearley, "To Determine the Physical Activity Interests of the Junior High School Boys of Amarillo, Texas to be used as a Basis for a Physical Education Program," Unpublished Master's thesis, Department of Physical Education, North Texas State College, 1940.

Mildred Mitchell Ratliff, "A Survey of the Leisure Time Activities of Senior High School Girls of Big Spring, Texas," Unpublished Master's thesis, Department of Physical Education, North Texas State College, 1941.

CHAPTER II

DESCRIPTION OF FACILITIES

The city of Big Spring is located below the Staked Plains and the Trans Pecos Region of West Texas. It has progressed from a large spring, which Captain Marcy of the United States Army located in 1849, into a transportation, cil, and retail distribution center of seventeen thousand people. It's first growth is attributed to the ranches of the area. In the 1880's the Texas and Pacific Railroads pushed westward, using Big Spring as a major stop and established railroad repair shops. Much of the present population's income is derived from this source. To spur further population increases, came the cil and gas discoveries in the area, which have continued to the present time.

Two of the nation's highways cross at Big Spring, United States 80 and United States 87.

As this increase of population has taken place there have also been increases of leisure time. Has Big Spring progressed along with the population increases by offering worthwhile lesiure time activities for the boys of high school age?

We think only as we face new problems. Too much waking leisure and sleeping leisure dulls the mind.

Our cities have produced thousands of robots who are more creatures of the entertainment elements of their environment.

An idle mind is the devil's workshop. That is one of the faults of the youth today, too much time with nothing to do and nothing to do it with. During World War II, with many fathers having been called to serve their country and to be away from home, the necessity for many mothers to go to work in war plants to help supplement the father's pay, our crime by youth has increased.2

By personal observation and inquiry, the investigator found Big Spring to have the following facilities. At the high school the investigator found a gymnasium equipped for volleyball and basketball. A cement slab, located between the gymnasium and the main building, was equipped with one basketball court and one volleyball court. of the gymnasium, a playing field of gravel and rock, which was used by both boys and girls of the high school and the eighth grade. This field was equipped with two softball diamonds, and was also used for touch football. asphalt tennis courts were located six blocks east of the high school. The Bootball and baseball fields were open only for the athletic teams practice and games. ball field was used during June, July and August for the playing of pass tag, which was included in the summer recreation program.

¹ Nash, op. cit., p. 126.

Tom Clark, "Who's to Blame for Juvenile Crime?"
The Rotarian Magazine, LXVIII (April, 1946), p. 21.

The City Park, one and three-tenths miles south of Big Spring, included an area of 268.67 acres. This site was purchased in 1935 for four thousand dollars. W.P.A. labor was used to develop this park. It included an open swimming pool; a nine hole golf course; a lighted softball court with rock bleachers; four lighted asphalt tennis courts; an ampitheater, which seats twenty-five hundred; twenty-three swings: twelve seesaws; eight barbecue pits; twenty small picnic tables; two large banquet tables; one merry-ge-round; four lighted croquet courts; a thirtythree by twenty-one foot concrete dance slab; four captive monkeys: and a fish pond. The bermuda lawns and flower beds were well kept and the park was plentifully supplied with The city furnished free lights for the large shade trees. tennis courts, croquet courts, and softball diamond. A fee was charged for the use of the swimming pool and golf course.3

Another park, the Salvation Army Park, was located in the west section of Big Spring. There were two soft-ball diamonds, one outdoor basketball court, five seesaws, seven swings, and a chin bar of three heights. The grounds and equipment were badly in need of maintance.

West Side Park was located west of the Salvation Army
Park. It was purchased by the Big Spring American Business

³Records of the City of Big Spring.

Club, June 30, 1938. The park had an available playground area, but it had not been developed.

Scenic Drive Park was first purchased by the city, December 11, 1934, for eight thousand dollars, and sold immediately to the state for ten dollars. The state then developed this area as a state park. This park was used mainly as a picturesque drive. There were three swings, one slide, and a partially enclosed rock building used for picnics and dancing.

Moss Creek Lake, part of the city's water system was opened for fishing a portion of the year.

Big Spring had two radio stations, four theaters, a bowling alley, and a professional baseball club.

The American Legion offered baseball to the boys during the summer months. The boys, to be eligible to play, must not have reached their eighteenth year. This program was sponsored by private citizens.

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CHAPTER III

FINDINGS OF THE STUDY

In this study 168 senior high school boys of Big Spring, Texas were studied. The questionnaires were tabulated to show the age-grade distribution.

Table 1 shows the age-grade distribution of boys in the four grades of the senior high school of Big Spring, Texas, for the school year 1948-1949. Of the fifty-seven boys in the ninth grade, one boy was thirteen years of age; twenty-five, fourteen years of age; twenty-five, fifteen years of age; three, sixteen years of age; two seventeen years of age; and one, eighteen years of age.

TABLE 1

THE AGE-GRADE DISTRIBUTION OF THE BOYS IN THE SENIOR HIGH SCHOOL, BIG SPRING, TEXAS, 1948-49

Age			e Placement		Total
	Ninth	Tenth	Eleventh	Twelfth	
13 14 15 16 17 18 19	1 25 25 30 1	8 18 8 2 1	6 21 9 2	1 12 16 8 1	1 33 50 14 29 10 1
Total	57	37	38	36	168

The tenth grade consisted of eight boys, fourteen years of age; eighteen, fifteen years of age; eight, sixteen years of age; two, seventeen years of age; and one, eighteen years of age. The total number of boys in the tenth grade was thirty-seven.

Of the thirty-eight boys in the eleventh grade, six were fifteen years of age; twenty-one, sixteen years of age; nine, seventeen years of age; and two, eighteen years of age.

The twelfth grade consisted of thirty-six boys, one, fifteen years of age; twelve, sixteen years of age; sixteen, seventeen years of age; six, eighteen years of age; and one, nineteen years of age.

Table 2 shows the activity interests of ninth-grade boys as shown by student participation, the average number of hours spent participating in each activity, and the number of boys who learned each activity in school.

The activities listed in order of the number of boys who participated in them are: attending moving picture, forty-eight; listening to the radio, forty-three; swimming, forty-two; observing football, thirty-nine; touch football, baseball, and softball, thirty-seven; bicycling, thirty-five; observing baseball and observing basketball, thirty-three; observing rodeos, twenty-eight; realing, twenty-seven, playing marble machines, twenty-five; fiflery, twenty-four; church meetings, twenty-three; auto driving, twenty-two;

scouting, twenty-one; attending circuses, twenty; horseback riding, yo-yoing, and woodworking, nineteen; tops, table tennis, and parties, eighteen; picnics and attending fairs, seventeen; ping pong, and observing volleyball, fifteen; skating, tumbling, volleyball, and wrestling, thirteen; boxing, kiting and keep away, twelve; bowling and cooking, eleven; golf, washers, painting, and club meetings, ten; marbles and gardening, nine; archery, croquet, soccer, and photography, eight; square dancing and tennis, seven; social dancing, leap frog, observing tennis, and observing track, six; jumping rope and track, four; and badminton, canoeing, handball, and speedball, three.

The activities listed in order of the per cent of boys who participated in them are: attending moving pictures, 83 per cent; listening to the radio, 74.4 per cent; swimming, 73.7 per cent; observing football, 67.5 per cent; touch football, baseball, and softball, 69.9 per cent; bicycling, 61.4 per cent; observing baseball and observing basketball, 57.1 per cent; observing rodeos, 47.4 per cent; reading, 46.7 per cent; playing marble machines, 43 per cent; riflery, 42.1 per cent; church meetings, 39.8 per cent; auto driving, 38 per cent; scouting, 36.9 per cent; attending circuses, 35 per cent; horseback riding, yo-yoing, and woodworking, 33.3 per cent; tops, table tennis, and parties, 31.8 per cent; picnics and attending gairs, 29.4 per cent; ping pong

and observing volleyball, 26.3 per cent; skating, tumbling, volleyball, and wrestling, 21.8 per cent; boxing, kiting, and keep away, 21 per cent; bowling and cooking, 19.3 per cent; golf, washers, painting, and club meetings, 17.5 per cent; marbles and gardening, 15.3 per cent; archery, croquet, soccer, and phography, 14.2 per cent; square dancing and tennis, 12.3 per cent; social dancing, leap frog, observing tennis, and observing track 10.6 per cent; jumping rope and track, 7 per cent; and badminton, canoeing, handball and speedball, 5.3 per cent.

Social dancing had the highest average number of hours per week, this number being three. Gardening was second with two and eight-tenths as the average number of hours per week. Horseback riding and listening to the radio were third with two and six-tenths as an average number of hours per week. Croquet and observing track each had two and five-tenths as the average number of hours per week. Swimming, scouting, tumbling, tops, and auto driving, two and four-tenths; canceing, observing baseball, and attending moving pictures, two and three-tenths; bicycling, badminton, and softball, two and one-tenth; archery, speedball, observing football, and observing basketball, two; kiting and reading, one and nine-tenths; golf, volleyball, woodworking, church meetings, attending fairs, and attending circuses, one and eight-tenths; riflery and table tennis, one and seven-tenths;

ping pong and rodeos, one and five-tenths; tennis, photography, parties and picnics, one and four-tenths; skating, touch foot-ball, track, washers, and painting, one and three-tenths; square dancing and yo-yoing, one and two-tenths; seccer, leap frog, and playing marble machines, one and one-tenth; bowling, baseball, handball, jumping rope, and wrestling, one; volley-ball, nine-tenths; boxing, cooking, and club meetings, seventenths; keep away, six-tenths; and marbles and observing tennis each had five-tenths as the average number of hours per week.

Table 2 also indicates the activities which were learned in school. Out of the fifty-nine activities listed, the boys reported having learned thirty-three in school. They were ranked according to the number who reported learning them in school. They were as follows: touch football, seventeen; softball, fourteen; baseball and observing basketball, thirteen; observing football, ten; observing baseball, nine; observing volleyball, eight; reading, seven; swimming, six; tumbling and volleyball, five; woodworking, auto driving, and church meetings, four; scouting and table tennis, three, wrestling and ping pong, two; archery, badminton, boxing, social dancing, square dancing, kiting, tennis, soccer, painting, listening to the radio, club meetings, parties, observing track, observing tennis, and moving pictures, one.

TABLE 2

THE NUMBER AND PER CENT OF FIFTY-SEVEN MINTH-GRADE BOYS
PARTICIPATING IN LEISURE TIME ACTIVITIES, THE
AVERAGE NUMBER OF HOURS OF PARTICIPATION
IN EACH ACTIVITY, AND THE NUMBER OF
BOYS WHO LEARNED THE ACTIVITY
IN SCHOOL

Activities	Number of boys par- ticipating in the activity	Ber cent of boys participating in the ac- tivity	Average number of hours of participa- tion per week in each ac- tivity	Number of boys who learned the ac- tivity in school
Bowling Archery Bicycling Baseball Badminton Boxing Croquet Canceing Social Dancing Square Dancing Golf Handball Horseback	10 3	19.3 14.2 51.4 54.9 21.0 14.2 10.6 12.3 17.5 17.5	1.0 2.1 1.0 2.1 .7 2.5 2.3 3.0 1.2 1.8 1.0	13 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
riding Jumping rope Kiting Riflery Tennis Speedball Softball Soccer Swimming Skating Scouting Touch Football Tumbling Track Tops Volleyball Washers Wrestling	19 124 7 37 123 131 131 131 131 131 131 131	33.3 7.0 21.0 42.1 12.3 64.2 73.8 64.9 22.8 31.8 22.8 17.5 22.8	2.6 1.0 1.7 1.4 2.1 2.4 1.3 1.3 1.0	1 1 1 6 3 17 5 5 . 2

TABLE 2--Continued

Activities					
Activities		Number of	Per cent	Average	Number of
Activities in the activity beach act					
Cooking Cook					
To-yoing	Activities	in the		participa-	
Yo-yoing		activity	the ac-	tion per	tivity
Yo-yoing		_	tivity	week in	in school
Yo-yoing 19 33.3 1.2			· .	each ac-	
Yo-yoing 19 33.3 1.2				tivity	
Keep away 12 21.0 .6 Leap frog 6 10.6 1.1 Marbles 9 15.3 .5 Ping pong 15 26.3 1.5 2 Table Tennis 18 31.8 1.7 3 1 Painting 10 17.5 1.3 1 1 1 3 1 3 1 1 1 3 1 3 1 1 1 3 1 3 1 1 1 1 3 1 3 1 1 1 1 3 3 3 3 3 <td>Yo-yoing</td> <td>19</td> <td>33.3</td> <td>the contract of the contract o</td> <td>* * *</td>	Yo-yoing	1 9	33.3	the contract of the contract o	* * *
Table Tennis 16 31.6 1.6 31.6 1.75 1.3 1 Painting 10 17.5 1.3 1 3 1 3 1 4 4 1.8 1 4 1.8 1 1 1.8 1 1 1.8 1 1 1.8 1 1 1.8 1 1.8 1 1.9 7 1 1 1.9 7 1 1 1.9 7 1 1 1.9 7 1 1 1.9 7 1 1 1 1.9 7 1 1 1 1.9 7 1		12		.6	• • •
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Woodworking 19 33.3 1.8 4 Cooking 11 19.3 .7 Gardening 9 15.3 2.8 Listening to the radio 43 74.4 2.6 1 Reading 27 46.7 1.9 7 Auto Driving 22 38.0 2.4 4 Club Meetings 10 17.5 .7 1 Church Meetings 23 39.8 1.8 4 Photography 8 14.2 1.4 Parties 18 31.8 1.4 1 Playing marble 17 29.4 1.4 Attending fairs 17 29.4 1.8 Attending circuses 20 35.0 1.8 Observing Football 33 57.1 2.3 9 Basketball 33 57.1 2.3 9 Basketball 35 57.1 2.5 1 Volleyball 6		18			. 3
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Cooking Gardening Listening to the radio Reading Auto Driving Club Meetings Church Meetings Photography Parties Playing marble machines Picnics Attending circuses Cooking Football Baseball Baseball Basketball Track Volleyball Tennis Rodeos Moving 11 19.3 2.8 19.3 19.3 19.3 19.3 19.3 19.3 19.3 19.3					
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Photography 8 14.2 1.4 1 Parties 18 31.8 1.4 1 Playing marble 17 14.0 1.4 1 Machines 25 14.0 1.4 1.4 Picnics 17 29.4 1.6 1.4 Attending fairs 17 29.4 1.8 1.8 Observing 20 35.0 1.8 1.8 Observing 39 67.5 2.0 10 Baseball 33 57.1 2.3 9 Basketball 33 57.1 2.0 13 Track 6 10.6 2.5 1 Volleyball 15 26.3 9 8 Tennis 6 10.6 .5 1 Rodeos 28 47.4 1.5			17.5	Ţ• Ţ	1
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Playing marble 25 43.0 1.1 Picnics 17 29.4 1.4 Attending fairs 17 29.4 1.8 Attending circuses 20 35.0 1.8 Observing 39 67.5 2.0 10 Baseball 33 57.1 2.3 9 Basketball 33 57.1 2.0 13 Track 6 10.6 2.5 1 Volleyball 15 26.3 .9 8 Tennis 6 10.6 .5 1 Rodeos 28 47.4 1.5	Photography	8	14.2	1.4	***
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Picnics 17 29.4 1.4 Attending fairs 17 29.4 1.8 Attending circuses 20 35.0 1.8 Observing Football Baseball Basketball		25	1.3.0	1.1	
Attending fairs 17 29.4 1.8 Attending circuses 20 35.0 1.8 Observing Football 39 67.5 2.0 10 Baseball 33 57.1 2.3 9 13 Frack 6 10.6 2.5 1 Volleyball 15 26.3 9 8 Tennis 6 Rodeos 28 47.4 1.5	Picnics	17	29.1		• • • •
Attending circuses 20 35.0 1.8 Observing Football 39 67.5 2.0 10 Baseball 33 57.1 2.3 9 Basketball 33 57.1 2.0 13 Track 6 10.6 2.5 1 Volleyball 15 26.3 9 8 Tennis 6 10.6 5 1 Rodeos 28 47.4 1.5	-			1.8	
circuses 20 35.0 1.8 Observing 39 67.5 2.0 10 Baseball 33 57.1 2.3 9 Basketball 33 57.1 2.0 13 Track 6 10.6 2.5 1 Volleyball 15 26.3 .9 8 Tennis 6 10.6 .5 1 Rodeos 28 47.4 1.5 Moving 1 1.5			-,		
Observing 39 67.5 2.0 10 Baseball 33 57.1 2.3 9 Basketball 33 57.1 2.0 13 Track 6 10.6 2.5 1 Volleyball 15 26.3 .9 8 Tennis 6 10.6 .5 1 Rodeos 28 47.4 1.5 Moving 10.5 1.5		20	35.0	1.8	
Football 39 67.5 2.0 10 Baseball 33 57.1 2.3 9 Basketball 33 57.1 2.0 13 Track 6 10.6 2.5 1 Volleyball 15 26.3 .9 8 Tennis 6 10.6 .5 1 Rodeos 28 47.4 1.5 Moving 1 1.5					
Baseball 33 57.1 2.3 9 Basketball 33 57.1 2.0 13 Track 6 10.6 2.5 1 Volleyball 15 26.3 .9 8 Tennis 6 10.6 .5 1 Rodeos 28 47.4 1.5 Moving		30	67.5	2.0	70
Basketball 33 57.1 2.0 13 Track 6 10.6 2.5 1 Volleyball 15 26.3 .9 8 Tennis 6 10.6 .5 1 Rodeos 28 47.4 1.5 Moving		22	57.1	1	
Rodeos 28 47.4 1.5			2111		7 2
Rodeos 28 47.4 1.5		22	21.4	2.0	ر د
Rodeos 28 47.4 1.5		30	26.0	£*2	<u> </u>
Rodeos 28 47.4 1.5		1-3	20.3	.7	1
Moving		00	10.0	•≥	1
Moving Pictures 48 83.0 2.3 1		20	41.4	1	
Pictures 40 83.0 2.3 I		100	00.0		-
	Pictures	40	03.0	2.3	1.
				,	al

Table 3 indicates the activity interests of tenth-grade boys as shown by student's participation, the average number of hours spent participating in each activity, and the number of boys who learned each activity in school. The activities listed in order of the number of boys who participated in them are: attending moving pictures, listening to the radio, and swimming, thirty-four; observing football, thirty-three; touch football, thirty-two; observing baseball, thirty; baseball, observing basketball, and observing rodeos, twentynine; riflery and auto driving, twenty-one; bicycling, softball, and reading, twenty; church meetings, playing marble machines, observing track, and observing volleyball, nineteen; attending fairs and circuses, eighteen; picnics, sixteen; volleyball, fifteen; social dancing, tumbling, wrestling, and ping pong, fourteen; boxing, yo-yoing, and observing tennis, thirteen; scouting, club meetings, and parties, twelve; washers, eleven; tennis, skating, table tennis, and photography, ten; archery, golf, keep away, and merbles, nine; tops and cooking, eight; square dancing, croquet, kiting, track, woodworking, and gardening, seven; bowling, six; leap frog, five; horseback riding, four; canoeing, handball, and painting, three; badminton, speedball, and soccer, two; and jumping rope, one.

TABLE 3

THE NUMBER AND PER CENT OF THIRTY-SEVEN TENTH-GRADE BOYS PARTICIPATING IN LEISURE TIME ACTIVITIES, THE AVERAGE NUMBER OF HOURS OF PARTICIPATION IN EACH ACTIVITY, AND THE NUMBER OF BOYS WHO LEARNED THE ACTIVITY IN SCHOOL

	Number of	Per cent of	Average	Number of
	boys par-	boys par-	number of	boys who
	ticipating	ticipating	hours of	learned
Activities	in the	in the	participa-	the ac-
	activity	activity	tion per	tivity in
	_	-	week in	school
	,		each ac-	
			tivity	
Bowling	6	14. 5	2.3	4
rchery	9	21.8	-4	***
Bicycling	20	48.6	2.0	***
Baseball	29	69.4	1.6	11
Badminton	2	4.8	•5	
Boxing	9 20 29 29 13 7 3 14 7 9 3	31.5	.6	6
Groquet	7	17.0	1.4	
Canceing	રં	7.3	1.1	***
Social Dancing	15	34.0	2.0	1
Square Dancing	7	17.0	1.3	ī
olf	ó	21.8	8	7
Handball	7	7.3	1.7	1
Horseback	ر	ر. • ۽	·	***
riding	1.	0.7	1.8	
	1 7 21	9.7		• • •
Jumping rope	1	2.4		• • •
Kiting	2	17.0	4.0	• • •
Riflery	21	51.0	2.0	***
Tennis	10	리•3	1.0	1
Speedball	2 20 2	4.8	2.1	1
Softball	20	48.6	1.0	Ö
Soccer	2	4.8	2.5	***
Swimming	34	81.6	2.0	
Skating	34 10	24.3	.6	
3couting	12 32 14 7	29.1	1.4	
Fouch football	32	77.7	1.9	15
Pumbling	ih	34.0	1.7	11
rack	7	17.0	2.4	1.
lops	à	19.1		
Volleyball	15	36.7	1.6	Q.
Washers	l îí	26.7	•3	
Wrestling	11.	34.0	1.0	77
resoring	114 13 9	31.5	2.0	
	173	21.8	.6	***
Keep away	7	CT + O	•0	***

TABLE 3--Continued

	Number of	Per cent of	Average	Number of
	boys par-	boys par-	number of	boys who
	ticipating		hours of	learned
Activities	in the	in the	participa-	
MC OT A T O TER	activity	activity	tion per	tivity in
	acorvios	acor arola	week in	school
		,	each ac-	SCHOOL
			tivity	
Leap frog	5	12.1	.6	***
Marbles	9	21.8	-4	
Ping pong	1 11:	34.0	8.	
Table tennis	1Ó	24.3	• 9	
Painting	3	7.3	1.6	• • •
Woodworking	7	17.0	1.9	2
Cooking	10 3 7 8 7	19.4	.6	2 1 1
Gardening	7	17.0	2.0	1
Listening to		,		a v
the radio	34 20	81.6	2.8	2
Reading	20	48.6	2.1	l.
Auto driving	21	51.0	2.7	2 1 1
Club meetings	12	29.1	.8	1
Church meetings		46.1	2.0	***
Photography	1Ó	كليه. 3	1.0	***
Parties	12	29.1	1.3	1
Play marble				
machines	19	46.1	•7	
Picnics	19	38.8	1.1	***
Attending fairs		43.7	1.1	1.
Attending	,	,-		* * *
circuses	18	43.7	•7	. 1.
Observing		v		
Football	33	80.1	1.6	9
Baseball	30	72.9	1.8	7
Basketball	20	69.4	1.8	10
Track	19	46.1	1.2	10 8
Voll eyball	19 13 29	46.1	1.1 1.1 1.8	7 5 1
Tennis	13	31.5 69.4	1.1	. 5.
Rodeos	29	69.4	1.8	1.
Moving				
Pictures	34	81.6	1.9	3
	•			

The activities listed in order of the per cent of boys who participated in them are: attending moving pictures, listening to the radio, and swimming, 81.6 per cent; observing football, 80.1 per cent; touch football, 77.7 per cent; observing baseball, 72.9 per cent; baseball, observing basketball, and observing rodeos, 69.4 per cent; riflery and auto driving, 51 per cent; bicycling, softball, and reading, 48.6 per cent; church meetings, playing marble machines, observing track, and observing volleyball, 46.1 per cent; attending fairs and circuses, 43.7 per cent; picnics, 38.8 per cent: volleyball, 36.4 per cent; social dancing, tumbling, wrestling, and ping pong, 34 per cent; boxing, yo-yoing, and observing tennis, 31.5 per cent; scouting, club meetings, and parties, 29.1 per cent; washers, 26.7 per cent; tennis, skating, table tennis, and photography, 24.3 per cent; archery. golf, keep away, and marbles, 21.8 per cent; tops and cooking. 19.4 per cent; croquet, square dancing, kiting, track, woodworking, and gardening, 17 per cent; bowling, 14.5 per cent; leap frog, 12.1 per cent; horseback riding, 9.7 per cent; canceing, handball, and painting, 7.3 per cent; badminton, speedball, and soccer, 4.8 per cent; and jumping rope, 2.4 per cent.

The average number of hours spent each week participating in each activity is also shown in Table 3. Kiting was listed first with four as the average number of hours spent each week;

listening to the radio, two and eight-tenths; auto driving, two and seven-tenths; soccer, two and five-tenths; track, two and four-tenths; bowling, two and three-tenths; reading and speedball, two and one-tenth; bicycling, social dancing, riflery, swimming, gardening, and church meetings, two; touch football, woodworking, and moving pictures, one and nine-tenths; rodeos, observing basketball, observing baseball, and horseback riding, one and eight-tenths; tumbling and handball, one and seven-tenths; baseball, painting, and observing football, one and six-tenths; croquet, canceing, and scouting, one and four-tenths; parties and square dancing, one and three-tenths; observing track, one and two-tenths; observing tennis, observing volleyball, attending fairs, and picnics, one and one-tenth; tennis, softball, volleyball, wrestling, and photography, one; table tennis, nine-tenths; attending circuses and playing marble machines, seven-tenths; boxing, skating, keep away, leap frog, and cooking, six-tenths; and washers, three-tenths.

The tenth-grade boys indicated that they had learned in school thirty-three out of the fifty-nine activities listed. The activities the boys reported as having learned in school were as follows: touch football, fifteen; baseball and tumbling, eleven; observing basketball, ten; observing football and playing volleyball, nine; softball and observing track, eight; wrestling, observing baseball, and observing

volleyball, seven; boxing, six; observing tennis, five; bowling, track, and reading, four; attending moving pictures, three; woodworking and listening to the radio, two; and social dancing, square dancing, golf, handball, tennis, speedball, cooking, gardening, auto driving, club meetings parties, attending fairs, attending circuses, and rodeos; one.

Table 4 indicated the activity interests of eleventhgrade boys as shown by student's participation, the average number of hours spent participating in each activity, and the number of boys who learned the activity in school.

The activities listed in order of the number of boys who participated in them are: attending moving pictures, thirty-seven; observing football, thirty-six; swimming, thirty-three, listening to the radio and auto driving, thirty-one; touch football and observing basketball, thirty; observing rodeos, twenty-six; observing baseball, reading, and baseball, twenty-five; riflery and church meetings, twenty-four; playing marble machines, twenty-three; softball, parties, and observing track, eighteen; bicycling and attending circuses, seventeen; attending fairs and ping pong, sixteen; tumbling, track, and observing volleyball, thirteen; observing tennis, picnics, gardening, horseback riding, and golf, twelve; boxing, table tennis, and photography, eleven; bowling, ten; croquet, tennis, wrestling,

painting, and club meetings, nine; social dancing, keep away, and woodworking, eight; scouting and volleyball, seven; yourge, leap frog, and marbles, six; archery, tops, washers, and cooking, five; canceing, four; jumping rope, kiting, and skating, two; and speedball and soccer, one. None of the boys of the eleventh grade participated in badminton, handball or square dancing.

The activities listed in order of the per cent of boys who participated in them are: attending moving pictures, 98.4 per cent: observing football, 95.7 per cent; swimming, 87.7 per cent: listening to the radio and auto driving, 82.4 per cent; touch football and observing basketball, 79.8 per cent; observing rodeos, 68.9 per cent; observing baseball, reading, and baseball, 66.3 per cent; riflery and church meetings, 63.8 per cent; marble mechines, 61.1 per cent; softball, parties, and observing track, 47.8 per cent; bicycling and attending circuses, 45 per cent; attending fairs and ping pong, 42.5 per cent; tumbling, track, and observing volleyball, 34.5 per cent; observing tennis, picnics, gardening, horseback riding, and golf, 31.9 per cent; boxing, table tennis, and photography, 29.2 per cent; bowling, 26.5 per cent; croquet, tennis, wrestling, painting, and club meetings, 23.9 per cent; social dancing, keep away, and woodworking, 21.2 per cent; scouting and volleyball, yo-yoing, leap frog, and marbles, 15.9 per cent; erchery, tops, washers,

and cooking, 13.2 per cent; canoeing, 10.6 per cent; jumping rope, kiting, and skating, 5.3 per cent; and speedball and soccer, 2.6 per cent.

The average number of hours spent each week participating in each activity is also shown in Table 4. Skating was listed first with four as the average number of hours spent each week: table tennis, three and four-tenths; club meetings, three and three-tenths; gardening and social dancing, three; listening to the radio, two and mine-tenths; golf, two and eight-tenths; scouting, track, and painting, two and seventenths; auto driving, two and six-tenths; baseball and canceing, two and five-tenths; bicycling and tops, two and four-tenths; movies, tennis, touch football, and tumbling, two and threetenths; horseback riding and swimming, two and two-tenths; riflery and reading, two and one-tenth; picnics and parties, two; basketball, woodworking, church meetings, and observing football, one and nine-tenths; boxing, one and eight-tenths; bowling, one and seven-tenths; softball, wrestling, ping pong, and observing track, one and six-tenths; speedball and attending fairs, one and five-tenths; observing baseball, photography, and croquet, one and three-tenths; marbles, one and two-tenths; leap frog, attending circuses, and rodeos, one and one-tenth; observing tennis, yo-yoing, and soccer, one; observing volleyball. eight-tenths; playing volleyball, seven-tenths; playing marble machines, washers, kiting, and archery, six-tenths; jumping rope and keep away, five-tenths; and cooking, two-tenths.

TABLE 4

THE NUMBER AND PER CENT OF THIRTY-EIGHT ELEVENTH-GRADE BOYS PARTICIPATING IN LEISURE TIME ACTIVITIES, THE AVERAGE NUMBER OF HOURS OF PARTICIPATION IN EACH ACTIVITY, AND THE NUMBER OF BOYS WHO LEARNED THE ACTIVITY IN SCHOOL

			التوادين فيعطن والماليات التوازيات والتوارية والمراد التاريخ والمراد المالية والمراد المالية والمراد	
	Number of	Per cent of	Average	Number of
The same of the sa	boys par-	boys par-	number of	boys who
	ticipating	ticipating	hours of	learned
Activities	in the	in the	participa-	the ac-
	activity	activity	tion per	tivity
•			week in	in school
Section 1997 Annual Section	energia, galantina ingganisa penergia, ng panah agaita. T	as in the comment of the company of the second section of the se	each ac-	a comment of the second
	* \$	•	tivity	* * *
Bowling	10	26.5	1.7	• • •
Archery	5 17 25	13.2	.6	
Bicycling	17	45.0	2.4	1
Baseball	25	71.5	2.5	11
Badminton	**		***	* * *
Boxing	ii	29.2	1.8	5
Croquet	9	23.9	1.3	
Canoeing	. Si	10.6	2.5	
Social Dancing	<u>4</u> 8	21.2	3.0	1
Square Dancing				mint.
Golf	iż	31.9	2.8	2
Handbell	Mile fram	J	2.00	
Horseback	• •	****	***	• • •
riding	12	31.9	2.2	
Jumping rope	2	5.3		
Kiting	2	2.3	•5	• • •
Riflery	21.	63.8	2.1	* • •
Tennis	Ö	23.9	2.3	5
Speedball	7	2.6	1.5	ر ا
Softball	18	47.8	1.6	8
Soccer	1	2.6	1.0	U
Swimming	22	87.7	2.2	***
	د ر	01.1		1.
Skating	5	18.6	4.0	* * *
Scouting	26		2.7	***
Touch football	30	79.8	2.3	16
Tumbling	13	24.5	2.3	9
Track	1 1 2	34.5	2.7	12
Tops	<u> </u>	13.2	2.4	9 12 2
Volleyball	1 3	18.6	1.5	3
Washers	5	13.2	.0	• • •
Wrestling	1224918132703357596	23.9	1.6	5
Yo-yoing	b	15.9	1.0	***

TABLE 4--Continued

	Number of	Per cent of	Average	Number of
:	boys par-	boys par-	number of	boys who
	ticipating	ticipating	hours of	learned
Activities	in the	in the	participa-	the ac-
	activity	activity	tion per	tivity
,	Ť	•	week in	in achool
			each ac-	
			tivity	*
Keep away	8 6 16	21.2	•5	1
Leap frog	6	15.9	1.1	
Marbles	6	15.9	1.2	• • •
Ping pong	16	42.5	1.6	1
Table tennis	11	29.2	3.4	1
Painting	9	23.9	2.7	1 1 1
Woodworking	8	21.2	1.9	1
Cooking	11 98 552 1	13.2	•2	
Gardening	12	31.9	3.0	Ž
Listening to				* . *
the radio	31	82.4	2.9	*: • *
Reading	31 25 31 9 24	66.3	2.1	8 3
Auto Driving	31	82.4	2.6	3
Club meetings	9	32.9	3.3	2
Church meetings	2[4	32.9 63.8	1.9	***
Photography	11	29.2	1.3	1
Parties	18	47.8	2.0	
Playing marble		_		
machines	23	61.1	.6	
Picnics	12	31.9	2.0	***
Attending fairs	16	42.5	1.5	2
Attending				Ÿ .
circuses	17	45.0	1.1	* * *
Observing		1		
Football	36	95.7	1.9	18
Baseball	25	66.3	1.3	9
Basketball	30 18	79.8	1.9	13
Track	18	1 17.8	1.6	8
Volleyball	13	34.5	1.0	938321
Tennis	13 12 26	34.5 31.9 68.9	1.0	2
Rodeos	26	68.9	1.1	1
Moving		1		
Pictures	37	98.4	2.3	1

The eleventh-grade boys indicated that they had learned in school thirty-four out of the fifty-nine activities listed. The activities the boys reported as having learned in school were as follows; observing football, eighteen; touch football, sixteen; observing basketball, thir teen; track, twelve; baseball, eleven; observing baseball and tumbling, nine; softball, reading, and observing track, eight; boxing, tennis, and wrestling, five; volleyball, auto driving, and observing volleyball, three; golf, tops, gardening, and club meetings, attending fairs, and observing tennis, two; and attending movies, rodeos, bicycling, social dancing, swimming, keep away, ping pong, table tennis, painting, woodworking, and photography, one.

Table 5 shows the activity interests of twelfth-grade boys as shown by student's participation, the average number of hours spent participating in each activity, and the number of boys who learned the activity in school. The activities listed in order of the number of boys who participated in them are: listening to the radio, thirty-five; attending moving pictures, rodeos, observing footbell, and observing baseball, thirty-two; observing basketball and auto driving, thirty-one; swimming, thirty; touch football and church meetings, twenty-eight; observing volleyball and reading, twenty-seven; track and parties, twenty-five; attending fairs, twenty-four; base-ball, twenty-three; bicycling, riflery, observing tennis, and attending circuses, twenty-two; picnics and playing marble

machines, twenty-one; softball, twenty; wrestling and ping pong, eighteen; club meetings and golf, seventeen; croquet, social dancing, and table tennis, sixteen; tennis and track, fifteen; bowling and horseback riding, fourteen; boxing, thirteen; scouting, twelve; square dancing, volleyball, yo-yoing, and cooking, eleven; keep away, ten; photography, gardening, and tumbling, eight; painting, marbles, leap frog, and archery, seven; woodworking, six; jumping rope and soccer, five; canoeing, four; and tops, kiting, and handball, two. The eleventh-grade boys did not participate in speedball or badminton.

The activities listed in order of the per cent of boys who participated in them are: listening to the radio, 98 per cent; attending moving pictures, rodeos, observing football and observing baseball, 89.6 per cent; observing basketball and auto driving, 86.8 per cent; swimming, 84 per cent; touch football and church meetings, 78.4 per cent; observing volleyball and reading 75.6 per cent; track and parties, 70 per cent; attending fairs, 67.2 per cent; baseball, 64.4 per cent; bicycling, riflery, observing tennis, and attending circuses, 61.6 per cent; picnics and playing marble machines, 58.8 per cent; softball, 56 per cent; wrestling and ping pong, 50.4 per cent; club meetings and golf, 47.6 per cent; croquet, social dancing, and table tennis, 44.8 per cent; tennis and track 42 per cent; bowling and horseback riding, 39.2 per cent; boxing, 36.4 per cent; secuting, 33.6 per cent;

square dancing, volleyball, yo-yoing, and cooking, 30.8 per cent; keep away, 28 per cent; photography, gardening, and tumbling, 22.4 per cent; painting, marbles, leap frog, and archery, 19.6 per cent; woodworking, 16.8 per cent; jumping rope and soccer, 14 per cent; canoeing, 11.2 per cent; and tops, kiting and handball, 5.6 per cent.

The average number of hours spent each week participating in each activity is also shown in Table 5. Listening to the radio was listed first with three and two-tenths as the average number of hours spent each week; reading, three and one-tenth; auto driving, two and nine-tenths; attending moving pictures, two and seven-tenths; swimming and track, two and five-tenths; riflery and tennis, two and two-tenths; rodeos and church meetings, two and one-tenth; parties, handball, horseback riding, attending circuses, and observing baseball, two; attending fairs, observing football, skating, touch football, and golf, one and nine-tenths: baseball, social dancing, observing basketball, and observing track, one and eight-tenths; square dancing, one and seventenths; gardening, one and six-tenths; scouting, tops, and observing volleyball, one and five-tenths; bicycling, ping pong, and volleyball, one and four-tenths; club meetings and observing tennis, one and three-tenths; canceing, softball. cooking, and picnics, one and two-tenths; playing marble machines, table tennis, wrestling, and bowling, one and onetenth; croquet, one; photography and painting, nine-tenths:

yo-yoing and washers, seven-tenths; boxing, and archery, sixtenths; keep away, tumbling, jumping rope, soccer, and marbles,
four-tenths; and woodworking and leap frog, three-tenths.
The boys did not list the number of hours spent in participation
each week for kiting, badminton, and speedball.

The twelfth-grade boys indicated that they had learned in school thirty-two out of the fifty-nine activities listed. The activities the boys reported as having learned in school were as follows: baseball and touch football, fourteen; observing football and playing tennis, ten; observing baseball, track, and observing basketball, nine; volleyball and track, seven; softball, six; observing volleyball, tumbling, and wrestling, five; reading and observing tennis, four; boxing, square dancing, cooking, club meetings, golf, and attending movies, three; scouting, listening to the radio, and tops, two; and bowling, canoeing, soccer, swimming, skating, leap frog, gardening, and auto driving, one.

Ninety-two per cent of the boys in this study were in the fourteen, fifteen, sixteen, and seventeen year age groups. The four grades of high school indicated that they had learned similar activities in school.

In ranking by grade groupings the first ten activities in which the boys participated, the investigator found a similarity of activity choices. The sedentary activities were high in the tenth-, eleventh-, and twelfth-grade groups.

TABLE 5

THE NUMBER AND PER CENT OF THIRTY-SIX TWELFTH-GRADE BOYS PARTICIPATING IN LEISURE TIME ACTIVITIES.

BOYS PARTICIPATING IN LEISURE TIME ACTIVITIES,
THE AVERAGE NUMBER OF HOURS OF PARTICIPATION
IN EACH ACTIVITY, AND THE NUMBER OF BOYS
WHO LEARNED THE ACTIVITY IN SCHOOL

	Number of	Per cent of	Average	Number of
	boys par-	boys par-	number of	boys who
	ticipating	ticipating	hours of	learned
Activities	in the	in the	participa-	bhe ac-
	activity	activity	tion per	tivity
		· · · · •	week in	in school
			each ac-	
			tivity	
Bowling	14	39.2	T.I	I
Archery	14	19.6	•6	• • •
Bicycling	22	61.6	1.4	•••
Baseball	2 2 23	64.4	1.8	14
Badminton	•	* • • •		
Boxing	13 16 16 16	36.4	.6	3
Croquet	16	LL.8	1.0	
Canoeing	- L	11.2	1.2	1
Social dancing	18	<u> </u>	1.8	
Square dencing	วัว	30.8	1.7	3
Golf	17	17.6	1.9	3
Handb abl	17 2	5.6	2.0	
Horseback	4-	J. 0	1 5 U	* 1 *
riding	٦).	39•2	2.0	
Jumping rope	14 2 22 15	17.5	14	
	2	14.7	*4	• • •
Kiting	22	5.6 61.6	2.2	• • •
Riflery	35		2.2	30
Tennis		42.0	2.2	10
Speedball	20 5 30 10	et o	7 0	• 2 •
Softball	20	56.0	1.2	0
Soccer	2,5	14.0	~4	4
Swimming	30	84.0	2.5	1
Skating	10	28.0	1.9	6 1 1 1 1 1
Scouting	12	33.6	1.5	1
Touch football	28 8 15 2	78.4	1.9	145592
Tumbling	8	22.4	•4	5
Track	1.5	42.0	2.5	9
Tops		5.6	1.5	,
Volleyball	11	30.8	1.4	7
Washers	6	16.8	• 7	• • •
Wrestling	18	50.4	1.1	5
Yo-yoing	11	30.8	• 7	•••
Keep away	10	28.0	1.	

TABLE 5 -- Continued

	Number of	Per cent of	Average	Number of
	boys par-	boys par-	number of	boys who
Activities	ticipating	ticipating	hours of	learned
	in the	in the	participa-	
	activity	activity	tion per	tivity in
l	٦		week in	school
		,	each ac-	
			tivity	
Leap frog	7	19.6	•3	1
Marbles	7	19.6	• <u>J</u>	
Ping pong	18	50.4	1.4	
Table tennis	16	44.8	1.1	
Painting	7	19.6	•9	
Woodworking	18 16 7 6	16.8	•3	
Cooking	11 8	30.8	1.2	3
Gardening	8	22.1	1.6	3
Listening to				
the radio	35	98.0	3.2	2
Reading	35 27	75.6	3.1	1 2 4
Auto driving	27	86.8	3.1 2.9	7
Club meetings	17	17.6	1.3	. 3
Church meeting	31 17 28 8	47.6 78.4	2.1	4.0
Photography	Ř	22.1	•9	
Parties	25	70.0	2.0	
Playing marble		,0.0	2.00	* * * *
machines	21	58.8	1.1	
Picnics	21		1.2	• • •
Attending fair		58.8 67.2	1.0	• • •
Attending	3 47	01.0	1.0	• • •
circuses	22	61.6	2.0	;
Observing	<u> </u>	01.0	2,0	• • •
Football	22	89.6	1.9	10
Baseball	32 32 31 25 27	89.6	2.0	1
Basketball	22	86.8	1.8	7
Track	2E	70.0	1.8	7
	42 22			1
Volleyball	50	75.6	1.5	99754
Tennis	22 32	89.6	1.3	4
Rodeos	34	09.0	2.1	***
Moving	20	9n 6	~ ~	-
Pictures	32	89.6	2.7	3

The twelfth-grade boys indicated that of the ten first ranked activities, six were sedentary. The activities

included in the six were: listening to the radio, attending moving pictures, observing rodees, observing football, observing baseball and observing basketball.

The eleventh-grade boys indicated that of the ten first ranked activities, the sedentary were perferred. They were: attending moving pictures, observing football, listening to the radio, observing basketball, observing rodeos, and reading.

The tenth-grade boys placed five sedentary activities in the first ten ranked. They were moving pictures, listening to the radio, observing football, observing basketball, and observing rodeos.

The ninth-grade boys indicated that they perferred the participating activities, by placing swimming, softball, baseball, touch football, and bicycling in the ten first ranked activities. The boys indicated that they spent more time, on an average, participating in the activities which they had learned in school.

Table 6 indicates the number and per cent of ninthgrade boys who had their own equipment, the number and per
cent of boys who used public facilities, and the number and
per cent of boys who used commercial facilities. The number
of boys who indicated that they used their own equipment were:
radio, thirty-nine; bicycling, thirty-four; baseball, thirtythree; touch football and softball, thirty-one; reading, twentyfive; auto driving, twenty-two; riflery and yo-yoing, nineteen; tops, sixteen; swimming and woodworking, fourteen;

observing football and kiting, thirteen; scouting, twelve; cooking, eleven; wrestling, and observing baseball, ten; picnics, parties, keep away, and washers, nine; photography, ping pong, marbles, and boxing, eight; playing marble machines, archery, horseback riding, table tennis, painting, and observing basketball, seven; soccer, gardening, and skating, six; church meetings, club meetings, leap frog, volleyball, movies, tennis, golf, and croquet, four; badminton, social dancing, and tumbling, three, square dancing, handball, jumping rope, and rodeos, two; and observing track, playing volleyball, and canoeing, one. The boys indicated that they did not have their own equipment for track and bowling.

The per cent of boys who indicated that they used their own equipment were: radio, 70.2 per cent; bicycling, 61.2 per cent; touch football and softball, 55.8 per cent; reading, 45 per cent; auto driving, 39.6 per cent; riflery, and youring, 34.2 per cent; tops, 28.8 per cent; swimming and woodworking, 25.2 per cent; observing football and kiting, 23.4 per cent; scouting, 21.6 per cent; cooking, 19.8 per cent; wrestling and observing baseball, 18 per cent; picnics, parties, keep away, and washers, 16.2 per cent; photography, ping pong, marbles, and boxing, 14.4 per cent; playing marble machines, archery, horseback riding, table tennis, painting, and observing basketball, 12.6 per cent; soccer, gardening, and skating, 10.8 per cent; church meetings, club meetings, leap frog, volleyball, attending moving pictures, tennis,

golf, and croquet, 7.2 per cent; badminton, social dancing, and tumbling, 5.4 per cent; square dancing, handball, jumping rope, and rodeos, 3.6 per cent; and observing track, playing volleyball, and canoeing, 1 per cent.

The number of boys who indicated that they used public facilities were: swimming, twenty-four; attending moving pictures, twenty-one; playing marble machines, seventeen: church meetings, fifteen; observing basketball, fourteen; rodeos, observing baseball, and observing football, twelve: scouting, table tennis, and painting, nine; attending fairs and attending circuses, eight; baseball, horseback riding, softball, ping pong, and listening to the radio, seven; tumbling, reading, picnics, and observing volleyball, six; bowling, volleyball, woodworking, auto driving, and parties, five; square dancing, riflery, skating, club meetings, and observing tennis, four; social dancing and tennis, three; archery, boxing, croquet, can oeing, speedball, touch football, track, tops, and wrestling, two; and square dancing, handball, jumping rope, kiting, yo-yoing, keep away, marbles. and observing track, one

football, 21.6 per cent; scouting, table tennis, and painting, 16.2 per cent; attending fairs, and attending circuses, 14.4 per cent; baseball, horseback riding, softball, ping pong, and listening to the radio, 12.6 per cent; tumbling, reading, picnics, and observing volleyball, 10.8 per cent; bowling, volleyball, woodworking, auto driving, and parties, 9 per cent; square dancing, riflery, skating, club meetings, and observing tennis 7.2 per cent; social dancing and tennis, 5.4 per cent; archery, boxing, croquet, canceing, speedball, touch football, track, tops, and wrestling, 3.6 per cent; and square dancing, handball, jumping rope, kitting, yo-yoing, keep away, marbles, and observing track, 1.8 per cent.

The number of boys who indicated that they used commercial facilities were: moving pictures, thirty-nine; rodeos, twenty-two; playing marble machines, eighteen; observing football and swimming, seventeen; observing baseball, fifteen; attending circuses, fourteen; basketball, thirteen; attending fairs, eleven; observing wolleyball and bowling, six; table tennis, five; woodworking, picnics, and ping pong, four; club meetings, auto driving, scouting, and square dancing, three; observing track, touch football, tumbling, horseback riding, and social danding, two; and bicycling, baseball, canoeing, softball, track, wrestling, gardening, reading, church meetings, and photography, one.

TABLE 6

THE NUMBER AND PER CENT OF FIFTY-SEVEN NINTH-GRADE BOYS HAVING THEIR OWN EQUIPMENT, THE NUMBER AND PER CENT USING PUBLIC FACILITIES, AND THE NUMBER AND PER CENT USING COMMERCIAL FACILITIES

. N		having		using	Boys u	
	their			c fac-	commer	
Activities	equip	Actual contract contract to the contract of th	iliti	and the same of the same of the same of	facili	
	Number		Number		Number	Per
		cent		cent		cent
Bowling	**	****	5 2	9.9	6	10.8
Archery	7	12.6	2	3.6	**	* * * *
Bicycling	34	61.2	* *	****	1	1.8
Baseball	33	52.4	7	12.6	1	1.8
Badminton	3	5.4	• •	****	* *	,
Boxing	34338413242	14.4	2223141	3.6	2	3.6
Croquet	4	7.2	2	3.6 3.5 1.8	2 3	* * * * •
Canceing	1	1.8	2	3.6	1	1.8
Social Dancing	3	5.4	3	5.4	2	3.6
Square Dancing	2	3.6	1	1.8	3	5.4
Golf	4	7.2 3.6	4	7.2	* *	
Handb all	2	3.6	1	1.8	**	****
Horseback						
riding	7 2	12.6	7	12.6	2	3.6
Jumping rope	2	3.6	1	1.8	• •	
Kiting	13	23.4	1	1.8	• •	
Riflery	19	34.2	4	7.2	••	
Tennis	4	7.2	3	5.5	* *	
Speedball		* * * *	2	3.6	• •	****
Softbell	31	55.8	7114327	5.5 3.6 12.6	1	1.8
Soccer	6	10.8		****	• •	****
Swimming	14	25.2	23	43.2	17	30.6
Skating	6	10.8	4	7.2	* *	
Scouting	12	21.6	9	16.2	3	5.4
Touch football	31	55.8	ļ	3.6	2	3.6
Tumbling	3	5.4	6	10.8	3 2 1	3.6
Track	2.7	****	274926225	3.6	1	1.8
Tops	16	28.8	2	3.6	₩-#-	****
Volleyball	9	7.2	5	9.0	* *	
Washers	1.9	16.2	**	***		****
Wrestling	10	18.0	2	3.6	1	1.8
Yo-yoing	19	34.2	1	1.8	* •	••••
Keep away	9 4 8 8	16.2	1	1.8	• •	• • • •
Leap frog	4	7.2	**	****	••	****
Marbles	၂ ၓ	14.4	7	1.8		****
Ping pong	8	14.4	7	12.6 16.2	4 5	7.2
Table tennis	7	12.6	9	16.2	5	9.0

TABLE 6--Continued

		having	Boys		Boys v	
Bardi Bard dallar	their			c fac-	commer	
Activities	equip		iliti		facili	
	Number		Number		Number	
		cent		cent		cent
Woodworking	14.	25.2	5	9.0	4	7.2
Cooking	1 <u>i</u>	19.8	* *	***	i	****
Gardening	6	10.8	**	****	1	1.8
Listening to						
the radio	39	70.2	-7.	12.6	* *	
Reading	25	45.0	6	10.8	1	1.8
Auto driving	22	39.6	5 15	9.0	1 3 1	1.8
Club meetings	4	7.2	4.	7.2	3	5.4
Church meetings	4	7.2	15	27.0	1	1.8
Photography	3224409	16.2		****	1	1.8
Parties	9	16.2	5	9.0	• *	****
Playing marble					_	
machines	7	12.6	17 6 8	30.6	18	32.4
Picnics	9	16.2	6	10.8	11	7.2 19.8
Attending fairs	• •		8	14.4	11	19.8
Attending			_			
circuses	• •	****	8	14.4	14	25.2
Observing						
Football	13	23.4	12	21.6	17	30.6
Baseball	10	18.0	12	21.6	15	27.0
Basketball	7	12.6	1.4	25.2	13	23.4
Track	7 1 1	1.8	14 16 14 12	1.8	15 13 6	3.6
Volleyball	1	1.8	6	10.8	6	10.8
Tennis	**		4	7.2		****
Rodeos	2	3.6	12	21.6	22	39.6
Movies	* <u>2</u>	7.2	21	37.8	39	69.2
						-

The per cent of boys who indicated that they used commercial facilities were: moving pictures, 69.2 per cent; rodeos, 39.6 per cent; playing marble machines, 32.4 per cent; observing football and swiming, 30.6 per cent; observing baseball, 27 per cent; attending circuses, 25.2 per cent; basketball, 23.4 per cent; attending fairs, 19.8 per cent; bowling and observing volleyball, 10.8 per cent;

table tennis, 9 per cent; woodworking, picnics, and ping pong, 7.2 per cent; club meetings, auto driving, scouting, and square dancing, 5.4 per cent; observing track, touch football, tumbling, horseback riding, and social dancing, 3.6 per cent; and bicycling, baseball, canoeing, softball, track, wrestling, gardening, reading, church meetings, and photography, 1.8 per cent.

Table 7 indicates the number and per cent of tenth-grade boys who had their own equipment, the number and per cent of boys who used public facilities, and the number and per cent of boys who used commercial facilities. The number of boys who indicated that they used their own equipment were: listening to the radio, thirty-three; baseball, twenty-eight; touch football, twenty-four; riflery, twenty; softball, nineteen; bicycling, reading, and auto driving, eighteen; swimming, fourteen; yo-yoing, eleven; wrestling and observing football, ten; photography, scouting, boxing, picnics, and observing baseball, nine; horseback riding and washers, eight; kiting, tennis, skating, and cooking, seven; tops, marbles, ping pong, table tennis, gardening, parties, and observing basketball, six; archery and woodworking, five; croquet, square dancing, golf, wolleyball, keep away, church meetings, and observing tennis, four; observing track, painting, and track, three: social dancing, handball, soccer, leap frog, observing volleyball, listening to the radio, and attending moving pictures, two; and bowling, badminton, jumping rope, tumbling, and playing marble machines, one.

TABLE 7

THE NUMBER AND PER CENT OF THIRTY-SEVEN TENTH-GRADE BOYS HAVING THEIR OWN EQUIPMENT, THE NUMBER AND PER CENT USING PUBLIC FACILITIES, AND THE NUMBER AND PER CENT USING COMMERCIAL FACILITIES

	Boys	00770		12122		
	their		Boys to public		Boys us	
Activities	equip		facili		commerc facilit	
Service Am Garder	Number		Number	P er	Number	
	14 001110 0.7	cent	Mampat.	cent	Manioer.	Per cent
Bowling	T	2.7	9	24.3	14	37.8
Archery	18 28	13.5	9324144	8.1	- 1	2.7
Bicycling	18	13.5	2	5.4	• •	
Baseball	28	75.6	L	10.8	- 3	8.1
Badminton	1	2.7	i	2.7	• •	
Boxing	1 9 4	24.3	4	10.8	* *	
Croquet		10.8	$I_{\rm L}$	10.8		
Canceing			- T		3	8.1
Social dancing	2	5.4	1	2.7	ž	
Square dancing	1 4	10.8			<u> </u>	5.4 8.1
Golf	2442	10.8	L.	10.8	3 2 3 5	13.5
Handball	Ź	5.4	4 2	5.4		~~ C
Horseback		1		J-14	••	
riding	8	21.6	2	5.4	2	5.4
Jumping rope	1	2.7				7.4
Kiting	8 1 7	18.9			* *	
Riflery	20	54.0	1	2.7		
Tennis	7	18.9	$ar{I_1}$	10.8		
Speedball			11	21.7		
Softball	19	51.3	7	5.4		
Soccer	ź	5.4	1 11 2 1	2.7	4.4	
Swimming	11	37.8	20	54.0	23	62.1
Skating	7	37.8 18.9	7,	10.8	23 5 3	13.5
Scouting	9	24.3	7	18.9	1	8.1
Fouch football	2/1	64.8	ġ l	24.3	,	
Pumbling	192479413648	2.7	20 47 12 3	32.4	* *	
Prack	3	8.1	3	$\overline{8.1}$		
lops	6	16.2			2	5.4
Volleyba ll	L	10.8	7	18.9		
Washers	8	21.6	•		3	8.1
Frestling	10	27.0	3	8.1		8.1
lo-yoing	1142666	29•7	••		**	
Keep away	4	10.8	2 2	5.4	र र ■ ⊕	
Leap frog	Ż	5.4	2	5.4		
larbles	6	5.4 16.2			ĺ	2.7
Ping pong	6	16.2	8* 6	21.6	144	10.8
Table tennis	6	16.2	6	16.2	i.	10.8

TABLE 7--Continued

Act ivities	Boys their	own	Boys u public facili	3	Boys using commercial facilities	
	Number	Per	Number	Per	Number	Per
Painting.		cent	and the same of th	cent		<u>cent</u>
Woodworking	3576	Ů.1 12.	**	8.1	1	2.7
Cooking	2	13.5	3	0.4.1	ı.	2.7
Comp.	\	18.9	• •	****	* *	*.* * *
Gardening	U	16.2	4.9	****	* *	• • • •
Listening to the radio	2.2	80 1	***	0.0	_	4 ، خبر
Reading	33 18	89.1	14	2.7	2 1 1 1	5.4
	18	48.6		10.8	i i	2.7
Auto driving	1	48.6	68	12.0	4	2.7
Club meetings	1496	70 0	0	16.2	ı	2.7
Church meetings	4	10.8		21.6	1 2	****
Photography Parties	Z	24.3	7	18.9	Ţ	3.7
	O	16.2	f	10.9	2	5.4
Playing marble machines	•	0 17	*1.0	24.4	3.0	077.0
Picnics	1 9	2.7	13 8 6	35.1	10	27.0
	9	24.3	0	21.6	3 10	8.1
Attending fairs	* •	****	O	16.2	10	27.0
Attending			س ا	70.00	8	07 6
circuses	**	****	5	13.5	0	21.6
Observing Football	10	27.0	. 20	77 1	30	201
Baseball		27.0	10	27.0	12	32.4
Basketball	Ž	24.3	12	32.4	11	29.7
Track	3	16.2 8.1	11	29.7	13	35.1
	کے		10	27.0	2 11	5.4
Volleyball	1.	5.h		18.9		29.7
Tennis Rodeos	963242		7 58	13.5 21.6	18	48.6
Modeos Moving	4	5.4	0	<7.0	TO.	₩O*O
	2	٠, ١,	3.0	37 0	20	70.0
pictures	۷.	5.4	10	27.0	27	73.9

The per cent of boys who indicated that they used their own equipment were: listening to the radio, 89.1 per cent; baseball, 75.6 per cent; touch football, 64.8 per cent; riflery, 54 per cent; softball, 51.3 per cent; bicycling, reading, and auto driving, 48.6 per cent; swimming, 37.8

per cent; yo-yoing, 29.7 per cent; wrestling and observing football, 27 per cent; photography, scouting, boxing, picnics, and observing baseball, 24.3 per cent; horseback riding and washers, 21.6 per cent; kiting, tennis, skating, and cooking, 18.9 per cent; tops, marbles, ping pong, table tennis, gardening, parties, and observing basketball, 16.3 per cent; archery, and woodworking, 13.5 per cent; croquet, square dancing, golf, volleyball, keep away, church meetings, and observing tennis, 10.8 per cent; observing track, painting, and track, 8.1 per cent; social dancing, handball, soccer, leap frog, observing volleyball, listening to the radio, and attending movies, 54 per cent; and bowling, badminton, jumping rope, tumbling, and playing marble machines, 2.7 per cent.

The number of boys who indicated that they used public facilities were: swimming, twenty; playing marble machines, thirteen; observing baseball and tumbling, twelve; basketball, eleven; attending moving pictures, observing track, and observing football, ten; bowling and touch football, nine; ping pong, church meetings, rodeos, and picnics, eight; scouting, volleyball, parties, and observing volleyball, seven; club meetings, table tennis, and attending fairs, six; attending circuses and observing tennis, five; baseball, boxing, croquet, golf, tennis, skating, and reading, four; archery, woodworking, wrestling, and track, three;

handball, horseback riding, softball, keep away, and leap frog, two; and badminton, social dancing, riflery, speed-ball, soccer, and listening to the radio, one.

The per cent of boys who indicated that they used public facilities were: swimming, 54 per cent; playing marble machines, 35.2 per cent; observing baseball and tumbling, 32.4 per cent; basketball, 29.7 per cent; attending moving pictures, observing track, and observing football, 27 per cent; bowling and touch football, 24.3 per cent; ping pong, church meetings, rodeos, and picnics, 21.6 per cent; scouting, volleyball, parties, and observing volleyball, 18.9 per cent; club meetings, table tennis, and attending fairs. 16.2 per cent; attending circuses and observing tennis. 13.5 per cent; baseball, boxing, croquet, golf, tennis, skating, and reading, 10.8 per cent; archery, woodworking. wrestling, and track, 8.1 per cent; handball, horseback riding, softball, keep away, and leap frog, 5th per cent; and badminton, social dancing, riflery, speedball, soccer, and listening to the radio, 2.7 per cent.

The number of boys who indicated that they used commercial facilities were: attending moving pictures, twentyseven; swimming, twenty-three; rodeos, eighteen; bowling,
fourteen; observing basketball, thirteen; observing football,
twelve; observing baseball and observing volleyball, eleven;
attending fairs and playing marble machines, ten; attending

circuses, eight; golf and skating, five; ping pong and table tennis, four; baseball, canceing, square dancing, scouting, washers, and picnics, three; track, social dancing, horse-back riding, tops, listening to the radio, and parties, two; and archery, marbles, woodworking, painting, reading, auto driving, club meetings, and photography, one.

The per cent of boys who indicated that they used commercial facilities were: attending moving pictures, 73.9 per cent; swimming, 62.1 per cent; rodeos, 48.6 per cent; bowling, 37.8 per cent; observing basketball, 35.1 per cent; observing football, 32.4 per cent; observing baseball and observing volleyball, 29.7 per cent; attending fairs and playing marble machines, 27 per cent; attending circuses, 21.7 per cent; golf and skating, 13.5 per cent; ping pong and table tennis, 10.8 per cent; baseball, canoeing, square dancing, scouting, washers, and picnics, 8.1 per cent; track, social dancing, horseback riding, tops, listening to the radio, and parties, 5.4 per cent; and archery, marbles, woodworking, painting, reading, auto driving, club meetings, and photography, 2.7 per cent.

Table 8 indicates the number and per cent of eleventhgrade boys who had their own equipment, the number and per cent of boys who used commercial facilities. The number of boys who indicated that they used their own equipment were: listening to the radio and auto driving, thirty; riflery, twenty-two; touch football, reading, and baseball, twentyone; softball, bicycling, and observing football, sixteen;
playing marble machines, swimming, and observing baseball,
thirteen; track and observing basketball, twelve; gardening,
eleven; parties, ten; photography, nine; painting and boxing,
eight; horseback riding, seven; croquet, golf, tennis,
skating, marbles, woodworking, church meetings, picnics,
and observing track, six; archery, tops, yo-yoing, keep away,
leap frog, cooking, attending fairs, rodeos, and attending
moving pictures, five; canceing, social dancing, scouting,
track, washers, wrestling, ping pong, club meetings, and
observing tennis, four; table tennis, observing volleyball,
and attending circuses, three; jumping rope, kiting, tumbling,
and playing marble machines, two; and soccer and volleyball,
one.

The per cent of boys who indicated that they used their own equipment were: listening to the radio and auto driving, 78 per cent; riflery, 57.2 per cent; touch football, reading, and baseball, 54.6 per cent; softball, bicycling, and deserving football, 41.6 per cent; playing marble machines, swimming, and observing baseball, 33.8 per cent; track and observing basketball, 31.2 per cent; gardening, 28.6 per cent; parties. 26 per cent; photography, 23.4 per cent; painting and boxing, 20.8 per cent; horseback riding, 18.4 per cent; croquet, golf, tennis, skating, marbles, woodworking, church meetings, picnics,

and observing track, 15.6 per cent; archery, tops, yo-yoing, keep away, leap frog, cooking, attending fairs, rodeos, and attending moving pictures, 13 per cent; canoeing, social dancing, scouting, track, washers, wrestling, ping pong, club meetings, and observing tennis, 10.4 per cent; table tennis, observing volleyball, and attending circuses, 7.8 per cent; jumping rope, kiting, tumbling, and playing marble machines, 5.2 per cent; and soccer and volleyball, 2.6 per cent.

The number of boys who indicated that they used public facilities were: swimming, twenty; attending moving pictures, seventeen; observing football, sixteen; rodeos, fifteen; observing basketball, fourteen; playing marble machines, thirteen; track, touch football, and observing track, twelve; tumbling and attending fairs, ten; church meetings and ping pong, nine; attending circuses and observing baseball, seven; skating, boxing, and observing volleyball, six; bowling, baseball, volleyball, and table tennis, five; wrestling and golf, four; croquet, horseback riding, tennis, softball, and observing tennis, three; picnics, parties, reading, washers, tops, and canceing, two; and archery, bicycling, social dancing, riflery, scouting, yo-yoing, woodworking, gardening, auto driving, club meetings, and photography, one.

The per cent of boys who indicated that they used public facilities were: swimming, 52 per cent; attending moving pictures, 14.2 per cent; observing football, 41.6 per cent;

rodeos, 39 per cent; observing basketball, 36.4 per cent; playing marble machines, 33.8 per cent; observing track, playing touch football, and track, 31.2 per cent; tumbling and attending fairs, 26 per cent; church meetings and ping pong, 23.4 per cent; attending circuses and observing baseball, 18.2 per cent; skating, boxing, and observing volleyball, 15.6 per cent; bowling, baseball, volleyball, and table tennis, 13 per cent; wrestling and golf, 10.4 per cent; corquet, horseback riding, tennis, softball, and observing tennis, 7.8 per cent; picnics, parties, reading, washers, tops, and canoeing, 5.2 per cent; and archery, bicycling, social dancing, riflery, scouting, yo-yoing, woodworking, gardening auto driving, club meetings, and photography, 2.6 per cent.

The number of boys who indicated that they used commercial facilities were: attending moving pictures, twenty—two; attending fairs, eighteen; playing marble machines, seventeen; swimming, fourteen; rodeos, twelve; attending circuses, eleven; observing football and observing baseball, ten; bowling and observing basketball, eight; skating, seven; observing volleyball, six; social dencing, five; golf, four; riflery and observing track, three; bicycling, baseball, boxing, croquet, canceing, touch football, tumbling, wrestling, table termis, listening to the radio, church meetings, tops, yo-yoing, ping pong, reading, auto driving, club meetings, photography, and picnics, one.

TABLE 8

THE NUMBER AND PER CENT OF THIRTY-EIGHT ELEVENTH-GRADE BOYS HAVING THEIR OWN EQUIPMENT, THE NUMBER AND PER CENT USING PUBLIC FACILITIES, AND THE NUMBER AND PER CENT USING COMMERCIAL FACILITIES

		having	Boys		Boys t	
	their		public		comme:	
Activities	equip	Andreas and the second second	facil		facili	ities
	Number	Per	Number	: :	Number	Per
		cent		cent		cent
Bowling	**	****	5 1 1 5	13.0	8 1 2 2	20 . ÿ
Archery	16	13.0	1	2.6	1	2.6
Bicycling	16	21.6	1	2.6	2	5 .2
Baseball	21	54.6	5	13.0	2	5.2 5.2
Badminton	* *	****	**	****	• •	****
Boxing	8644	20.8	6 3 2 1	15.6	*2225	5.2
Croquet	6	15.6	3	7.8	2	5.2
Canoeing	4	10.4	2	5.2	2	5.2
Social dancing	14	10.4	1.	5.2 2.6	5	13.0
Square dancing	1 7					****
Golf	6*	15.6	4	10.4	1,	10.4
Handball	*.*	****	* •	***	• •	
Horseback					•	,
riding	7	18.2	3	7.8		
Jumping rope	7 2 2 22 6	5.2	• •			
Kiting	2	5•2 5•2	• •			
Riflery	22	57.2		2.6	3	7.8
Tennis	6	15.6	1 3	7.8		1.0
Speedball			• •			
Softball	16	41.6	3	7.8	i	2.6
Soccer	1	2.6		,		2.0
Swimming	1.22	33.8	20	52.0	3 1	36.4
Skating	1 6	15.6	20 6 1 12	15.6	14. 7	18.2
Scouting	l i	10.4	ř	2.6	, 1	10.6
Touch football	21	54.6	12	31.2	± 2	2.0
Tumbling	2	5.2	10	26.0	3	2.5
Track	1 1.	10.4		31.2	2	25.26
Tops	2	13.0	12 52 1		1 2 1 1	2.6
Volleyball	1 7	2.6	سته ص	5.2	1.	2.0
Washers	1 1	10.1	2	13.0	••	* * * *
Wrestling	1 1	10.4	1.	10.4	2	F 0
Yo-yoing	1 2	13.0	7	20.4	2 1	5.2
Keep away	1	13.0	±	2.6	ı	2.6
Leap frog	1	13.0	# 4	****	* *	* * * *
Marbles	1 6	15.6	* *	****	* *	••••
Ping pong	l ĭ.	10.4	**	22 1.	* *	****
Table tennis	4	7.8	9	23.4 13.0	1 2	2.6
Painting	1264124514455556438	20.8	ク	المورد		5.2
a come a side at a tage		CU*U	* *	****	**	***

TABLE 6--Continued

		having	Boys v		Boys v	
		oment	public facili		commer facili	
Activities	Number	Per	Number	Per	Number	Per
WO OF AT OF OR		cent	110011002	cent	14 001120 02	cent
WoodworkIng	5 11	15.6	1.	2.6	* *	* * * *
Cooking	5	15.6 13.0 28.6		!	• •	
Gardening	11	28.6	i	2.6	• •	
Listening to		,				
the radio	20	78.0	• •	***	2	5.2
Reading	21	54.6	2	5.2 2.6 2.6	2111212	2.6 2.6 2.6 5.2 5.2
Auto driving	20	78 .0	1	2.6	1.	2,6
Club meetings	20 10 10	10.1j.	2 1 1 9	2.6	1	2.6
Church meeting	6	15.6	9	23.4	2	5.2
Photography	9	23.4	• *	1 ' 1	1	2.6
Parties	10	26.0	2*	5.2	2	5 .2
Playing marble						
machines	2615	5.2	13 2 10	33.8	17	14.2 2.6 16.8
Picnics	6	15.6	2	5.2 26.0	18	2.6
Attending fair	5	13.0	10	26.0	18	lμ6.↓8
Attending					,	
circuses	3	7.8	7	18.2	11	28.6
Observing						
Football	16	41.6	16	41,6	10	26.0
Baseball	13	33.8	7	18.2	10	56.0
Basketball	12	33.8 31.2	$1l_{\downarrow}$	36.4	8	20.8
Track	6	15.6	l 15	31.2	3	7.8
Volleyball	1326 345	15.6 7.8	7 14 12 6 3 15	31.2 15.6	10 8 3 6	15.6
Tennis	4	10.4	3.	7.8	**	
Rod eos	5	13.0	15	39.0	12	31.2
Moving						
Pictures	5	13.0	17	44.2	22	57.2

The per cent of boys who indicated that they used commercial facilities were: attending moving pictures, 57.2 per cent; attending fairs, 46.8 per cent; playing marble machines, 44.2 per cent; swimming 36.4 per cent; rodeos, 31.2 per cent; attending circuses, 28.6 per cent; observing football and observing baseball, 26 per cent;

bowling and observing basketball, 20.8 per cent; skating, 18.2 per cent; observing volleyball, 15.6 per cent; social dancing 13 per cent; golf, 10.4 per cent; riflery and observing track, 7.8 per cent; bicycling, baseball, boxing, croquet, canoeing, touch football, tumbling, wrestling, table tennis, listening to the radio, church meetings, and parties, 5.2 per cent; and archery, softball, scouting, track, tops, yo-yoing, ping pong, reading, auto driving, club meetings, photography, and picnics, 2.6 per cent.

Table 9 indicates the number and per cent of twelfthgrade boys who had their own equipment, the number and per cent of boys who used public facilities, and the number and per cent of boys who used commercial facilities. The number of boys who indicated that they used their own equipment were: listening to the radio, thirty-three; auto driving, twentynine; touch football, twenty-five; baseball and reading, twenty-two; bicycling, riflery, and softball, nineteen; parties, thirteen; tennis, twelve; yo-yoing, eleven; social dancing and croquet, ten; track and keep away, nine; picnics, photography, cooking, scouting, wrestling, and cooking, eight; golf, gardening, and leap frog, seven; archery, swimming, woodworking, and church meetings, six; horseback riding, skating, washers, marbles, ping pong, table tennis, and painting, five; attending moving pictures, club meetings, and jumping rope, four; square dancing, tumbling, observing

football, and observing baseball, three; observing basketball, attending fairs, bowling, kiting, tops, and volleyball two; and canoeing, handball, attending circuses, observing track, observing volleyball, observing tennis, and rodeos, one.

The per cent of boys who indicated that they used their own equipment were: listening to the radio, 89.1 per cent; auto driving, 78.3 per cent; touch football, 67.5 per cent; baseball and reading, 59.4 per cent; bicycling, riflery, end softball, 51.3 per cent; parties, 35.2 per cent; tennis, 32.4 per cent; yo-yoing, 29.7 per cent; social dancing and croquet, 27 per cent; track and keep away, 24.3 per cent: picnics, photography, cooking, scouting, wrestling, and cooking, 21.6 per cent; golf, gardening, and leap frog, 18.9 per cent; archery, swimming, woodworking, and church meetings, 16.2 per cent; horseback riding, skating, washers, marbles, ping pong, table tennis, and painting, 13 per cent; attending moving pictures, club meetings, and jump rope, 10.8 per cent; square dancing, tumbling, observing football, and observing baseball, 8.1 per cent; observing basketball, attending fairs, bowling, kiting, tops, and volleyball, 5.4 per cent; and canoeing, handball, attending circuses, observing track, observing volleyball, observing tennis, and rodeos, 2.7 per cent.

The number of boys who indicated that they used public facilities were: observing baseball, twenty; observing football

and observing basketball, eighteen; observing volleyball, attending rodeos, and swimming, seventeen; track, tennis, attending moving pictures, and church meetings, fourteen; attending circuses, twelve; attending fairs, eleven; track, ping pong, and touch football, ten; playing marble machines and parties, nine; picnics, club meetings, and table tennis, eight; golf, seven; horseback riding and bowling, six; baseball, tennis, tumbling, volleyball and reading, five; social dancing and scouting, four; boxing, croquet, riflery, wrestling, and listening to the radio, three; bicycling, canoeing, softball, soccer, and keep away, two; and square dancing, jumping rope, skating, washers, painting, cooking, auto driving, and photography, one.

The per cent of boys who indicated that they used public facilities were: observing baseball, 48.6 per cent; observing football and observing basketball, 48.6 per cent; observing volleyball, attending rodeos, and swimming, 45.9 per cent; track, tennis, attending moving pictures, and church meetings, 37.8 per cent; attending circuses, 32.4 per cent; attending fairs, 29.7 per cent; track, ping pong, and touch football, 27 per cent; playing marble machines, club meetings, and table tennis, 21.6 per cent; golf, 18.6 per cent; horseback riding and bowling, 16.2 per cent; baseball, tennis, tumbling, volleyball, and reading, 13 per cent; social dencing and scouting, 16.8 per cent; boxing croquet, riflery, wrestling, and listening to the radio, 8.1 per cent; bicycling, canoeing, softball.

soccer, and keep away, 5.4 per cent; and square dancing, jumping rope, skating, washers, painting, cooking, autodriving, and photography, 2.7 per cent.

The number of boys who indicated that they used commercial facilities were: attending moving pictures, twentyseven; rodeos, twenty; observing baseball, ninetean; observing
volleyball, attending fairs, and swimming, eighteen; observing
basketball, sixteen; playing marble machines, fifteen;
observing football, fourteen; attending circuses, thirteen;
observing track, bowling, eleven; social dancing, eight;
golf, and observing tennis, seven; square dancing, six;
skating, five; auto driving and ping pong, four; baseball,
horseback riding, and listening to the radio, three;
scouting, volleyball, table tennis, club meetings, and
reading, two; and archery, bicycling, boxing, canoeing,
kiting, riflery, tennis, track, wrestling, church meetings,
parties, picnics, and yo-yoing, one.

The per cent of boys who indicated that they used commercial facilities were: attending moving pictures, 72.9 per cent; rodeos, 54 per cent; observing baseball, 51.3 per cent; observing volleyball, attending fairs, and swimming, 48.6 per cent; observing basketball, 43.2 per cent; playing marble machines, 40.5 per cent; observing football, 36.4 per cent; attending circuses, 35.2 per cent; bowling and observing track, 29.7 per cent; social dancing, 21.6 per cent; golf and observing tennis, 18.9 per cent; square dancing, 16.2 per cent; skating, 13 per cent; auto driving and ping pong, 16.8 per cent; baseball, horseback riding, and listening to the radio

O.1 per cent; scouting, volleyball, table tennis, club meetings, and reading, 5.4 per cent; and archery, bicycling, boxing, canceing, kiting, riflery, tennis, track, wrestling, church meetings, perties, picnics, and yo-yoing, 2.7 per cent.

TABLE 9

THE NUMBER AND PER CENT OF THIRTY-SIX TWELFTH-GRADE BOYS HAVING THEIR OWN EQUIPMENT, THE NUMBER AND PER CENT USING PUBLIC FACILITIES, AND THE NUMBER AND PER CENT USING COMMERCIAL FACILITIES

	-					
	Boys	having	Воув	using	Boys	using
Activi ties	their	own	publi	.c	comme	rcial
	equip	ment	facil	ities	facil	ities
	Number	Per	Number	Per	Number	Per
		cent		cent		cent
Bowling	8	5.4	6	16.2	11	9.7
Archery		16.2	• •	****	1. /	2.7
Bicycling	19	51.3	2	5.4	1.	2.7
Baseball	22	59.4	2 5	13.0	3	8.i
Badminton				****	• •	
Boxing	8	21.6	3	8.1	1	2.7
Croquet	10	27.0	3 3 2 4 7	8.1	• •	
Canoeing	1	2.7	2	5.4	1	2.7
Social dancing	10	27.0	14	10.8	1767	21.6
Square dancing	3	8.1	i	2.7	6	16.2
Golf	3 7 1	18.9	7	18.9	7	18.9
Handball	1	2.7	• •	****		
Horseback						
ridi ng	51 <u>4</u> 29	13.0	6	16.2	3	8.1
Jumping rope	上	10.8	1	2.7		
Kiting	2	5.4			1	2.7
Riflery	19	51.3	3	8.1	1	2.7
Tennis	12	32.4	3 5	13.0	ī	2.7
Speedball					• •	
Softball	19	51.3	2 2	5-4		
Soccer		****	2	5.4	* *	
Swimming	6	16.2	17	45.9	18	48.1
Skating	5	13.0	1	2.7		13.0
Scouting	*6 58 5 23 3 9	21.6	10	10.8	5 2	5.4
Touch football	25	67.5	10	27.0	• •	
Tumbling	3	8.1	5	13.0	* *	****
Track	9	24.3	10	27.0	1	2.7

TABLE 9--Continued

	Rovs	having	Rova	us Ing	RATE	us in g
Acti vities		rown	publ:			rcial
	1	oment		Lities		ities
	Number	Per	Number	Per	Number	
		cent		cent		cent
Tops	2	5.4	**	***	* *	* * * *
Volleyball	2	5.4	5	13.0	2	5.4
Washers	SUND	13.0	1	2.7		***
Wrestling		21.6	5 1 3	8.1	1	2.7
Yo-yoing	11	29.7	• •	****	1	2.7
Keep away	9	24.3	2	5.4	**	
Leap frog	7	18.9	• •	* * * *	* *	
Marbles	5	13.0	* *	***	**	
Ping pong	5	13.0	10	27.0	4 2	10.8
Table tennis	5	13.0	8	21.6	Ż	5.4
Painting	9755556	13.0	1	2.7	* *	****
Woodworking	6	16.2	• •	***	* *	****
Cooking		21.6	i	2.7	**	
Gardening	7	18.9	* *		• •	****
Listening to	1			_		
the radio	33	89.1	3518 <u>1</u> 19	8.1	3	8.1
Reading	22	59-4	5	13.0	3242 1	5.4
Auto driving	29 6 8	78.3	1	2.7	4.	10.8
Club meetings	14	10.8	8	21.6	2	5.4
Church meetings	0	16.2	<u> </u>	37.8	1	2.7
Photography	Ö	21.6	1	27	* ; * ,	
Parties	1.3	35.1	9	24.3	1	2.7
Playing marble						
machines	0	21.6	8	24.3	15	40.5
Picnics	8		E .	21.0	1	2.7
Attending fairs	 	5.4	11	29.7	18	48.6
Attending Circuses	1	G ##	7.0			
Observing	<u>+</u>	2.7	12	32.4	13	35.1
Football	1 2	8.1	30	1.0 6	.,,	n
Baseball	3	8.1	18	48.6	14	36.4
Basketball	$\begin{bmatrix} 2 \\ 2 \end{bmatrix}$		20	40.6	19 16	51.3 43.2
Track	7	5.4	71.	10.0	10	43.2
Volleyball	2 1 1 1 1 1 1	277	18 11, 17 11, 17	37.6	11	29-7
Tennis	1	2.7	1	45.9	18	48.6 18.9
Rođeos	1	2.7	74	37.8	7	10.9
Moving	~	en# f	41	45.9	20	54.0
pictures	4	10.8	1)+	37.8	27	72 0
* * * * * * * * * * * * * * * * * * * *	"			11.00	C.1	72.9

In ranking the first ten activities of the four high school grade groups, according to the number of boys using their own equipment, the investigator found that a great deal of similarity existed. 70.2 per cent of the ninthegrade boys used their own radios; 89.2 per cent of the tenthegrade boys; 78 per cent of the eleventhegrade boys; and 81.1 per cent of the twelfthegrade boys.

Auto driving shows a close similarity between the ninth and tenth grade. There is also a close similarity between the eleventh and twelfth grades; however, there is a wide range between the tenth and eleventh grades. In the ningh grade 39.6 per cent used their own cars or drove the family car; tenth grade, 48.6 per cent; eleventh grade, 78 per cent; and twelfth grade, 78 per cent.

The twelfth-grade boys indicated that 32.4 per cent of them used their own equipment in playing tennis. This grade group was the only one who placed tennis in the first ten activities for which they had their own equipment.

In ranking public facilities, according to the ten most widely used, the investigator found that in the tenth grade a high of 54 per cent used the swimming facilities, while in the ninth grade a low of 16.2 per cent used public scouting facilities. Many of the boys in the four grade groups indicated that they used commercial facilities for their activities. In ranking the first ten activities, the

investigator found that the ninth-, tenth-, eleventh-, and twelfth-grade boys used commercial facilities for moving pictures most. The swimming pool, the marble machines, the bowling alley, and the rodeos were also widely used.

Table 10 shows the per cent of boys who wanted to patricipate in more activities, but did not have the opportunity for the various reasons shown in Table 11.

TABLE 10

PERCENTAGE OF BOYS WHO WANTED TO PARTICIPATE IN OTHER ACTIVITIES

Activities		Per cent of						
	Ninth grade	Tenth grade	Eleventh grade	Twelfth grade	the total			
Bowling Archery Baseball Badminton Boxing Canoeing Social dencing Golf Horseback	1.8 1.8 9.0 55.4 1.8 12.6	8.1 8.1 2.7 8.1	2.6	8.1 2.7 8.1 2.7 5.4	2.4 4.1 4.6 3.5 3.6 8.1			
riding Riflery Tennis Softball Soccer Swimming Skating Touch football Tumbling Volleyball Washers Wrestling Keep away	1.8 7.2 7.2 9.0	8.1 2.7 5.47 5.47 2.7 2.7 2.7 2.7	7.8	10.8 2.7 2.7 2.7 2.7 2.7	55166678666696			

TABLE 10-Continued

Activities Ninth Tenth Eleventh Twelf	1
Ninth grade	the total
Ping pong 1.8 5.4 2.6 2.7 Woodworking 1.8 5.4 5.2 Cooking 1.8 2.7 Auto driving Club meetings 19.8 Church meetings Photography Attending circuses 2.7	2.9 2.4 .6
Ping pong 1.8 5.4 2.6 2.7 Woodworking 5.4 5.2 Cooking 1.8 2.7 Reading 1.8 2.7 Auto driving 8.1 5.2 Club meetings 19.8 2.7 Church meetings 5.4 Photography 2.7 Attending 2.7 circuses 2.7	2.9 2.4 .6
Woodworking Cooking Reading Auto driving Club meetings Church meetings Photography Attending circuses 5.4 5.2 6.1 5.2 6.1 5.2 6.1 5.4 2.7 6.1 5.4 2.7	2.4
Cooking Reading Auto driving Club meetings Church meetings Photography Attending circuses	.6
Reading Auto driving Club meetings Church meetings Photography Attending circuses	.6
Auto driving Club meetings Church meetings Photography Attending circuses 8.1 5.2 2.7 5.4 2.7	1.2
Club meetings 19.8 2.7 Church meetings Photography 2.7 Attending circuses 2.7	j
Church meetings Photography Attending circuses 2.7	2.9
Photography 2.7 Attending circuses 2.7	8.1
Attending circuses 2.7	1.2
circuses 2.7	.6
Observing	.6
Football 7.2 2.7 7.8 10.8	8.1
Baseball 2.6 8.1	2.4
Basketball 12.6 10.8 10.4 8.1	10.6
Track 5.2 2.7 Volleyball 7.2 2.7 2.6	1.8
Volleyball 7.2 2.7 2.6	3.5
Tennis 1.8 2.6	1.2
Rodeos 2.6	.6
Motor cycling 7.2 7.8 13.0	8.1
Fishing 5.4 8.1 15.6 29.7	13.6
Hunting 9.0 5.4 10.4 13.0	9-4
Camping 1.8 2.7 5.2 2.7	2.9
Handball 1.8 2.7	1.2
Mountain	
climbing 1.8	.6
Horse shoes 1.8 2.7 Traveling 1.8	1.2
	•6
	.6
Model plaines 1.8 2.7 5.4 Speedboat	2.4
racing 2.6 16.2	-6
Condo	1.55 6.55 2.0
Pool 10.8 18.9	6.5
Hotrod racing 13.0	2.9
La crosse Weight lifting Hiking 2.7 2.7 2.7	:6
Hiking 2.7 5.4	1.8
Flying Fencing 2.6	1.2
Fencing 2.6 Nechanics 2.7	1.0
Nechanics Band 1.8 2.7 2.7	ב:ב
Loafing 2.7 5.2	1.8
Ice Skating 5.2	1.2
Loafing Loafing Loe Skating Water skiing Skiing Skiing	1.2
Skiing 5.2 Whittling 2.7	בו הוחות מאים

The activities the boys wanted to participate in are ranked in order of the total per cent of the 168 boys studied. They are: fishing, first, with 13.6 per cent; basketball, second, with 10.6 per cent: hunting, third, with 9.4 per cent; motor cycling, football, club meetings, and golf, fourth, with 8.1 per cent; pool and horseback riding, fifth, with 5.5 per cent; swimming, sixth, with 4.7 per cent; speedboat racing, tennis, baseball, and archery, seventh, with 4.1 per cent; boxing, canceing, riflery, and observing volleyball, eighth, with 3.4 per cent; hotrod racing, camping, auto driving, ping pong, and wrestling, ninth, with 2.9 per cent; bowling, woodworking, observing basebell, and model planes, tenth, with 2.4 per cent; loafing, hiking, observing track, and skating, eleventh, with 1.0 per cent; reading, church meetings, observing tennis, handball, horse shoes, cards, flying, mechanics, bank, ice skating, water skiing, and skiing, twelfth, with 1.2 per cent; and whittling, fencing, weight lifting, la crosse, traveling, mountain climbing, rodeos, attending circuses, photography, cooking, keep away, washers, volleyball, tumbling, soccer, softball, social dancing, touch football, badminton, and shuffleboard, thirteenth, with .6 per cent.

Table 11 shows the reasons given for non-participation in the desired activities shown in Table 10. Of the 168 boys studied, 31.3 per cent of them indicated that they did

not have equipment; 19.5 per cent indicated that the activity was too far from home; 12.4 per cent indicated that the fees were too high; 8.1 per cent indicated that they did not have their parent's consent or the activity was not available; 4.1 per cent indicated that they were working; 2.9 per cent indicated the reason was because of a physical condition; 1.2 per cent indicated that they were too small; and .6 per cent indicated that they were not passing their school work, did not have transportation to the location of the activity, or they were playing in the band.

PERCENTAGE OF BOYS ACCORDING TO REASONS GIVEN FOR NON-PARTICIPATION IN THE ACTIVITIES LISTED IN TABLE 10

Reasons		Per cent of					
	Winth grade	Tenth grade	Eleventh grade	Twelfth grade	per cent		
Did not have parent's consent Did not have the	7.2	* * * *	10.4	10.8	8.1		
equipment Activity too far from	28.8	37.8	26.0	35.1	31.3		
home Fees too high Physical condition Too small Not passing grades Activity was not	12.6 9.0 1.8	22.5 11.2 5.4 2.7	7.8 15.6 7.8	27.0 13.5 2.7	19.5 12.4 2.9 1.2		
available Working No transportation Band	5.4	5.4	7.8 10.4 2.6	18.9	8.1 4.1 .6		

In Table 12 the activities are ranked according to the boys favorite selections. They are: basketball, first; football, second; swimming, third; baseball, fourth; listening to the radio, fifth; attending moving pictures, sixth; auto driving, seventh; horseback riding, eighth; rodeos, ninth; ping pong, tenth; hunting, eleventh; riflery, reading, and tennis, twelfth; bowling, thirteenth; fishing, fourteenth; softball, fifteenth; track, sixteenth; golf, seventeenth; volleyball, eight earth; attending fairs, wrestling, social dancing, and boxing, nineteenth; skating, twentieth; bicycling, twenty-first; yo-yoing and photography, twenty-second; pool, twenty-third; playing marble machines and parties, twentyfourth; archery, woodworking, and motor cycling, twentyfifth; square dancing, touch football, picnies, camping, and hiking, twenty-sixth; church meetings and scouting, twentyseventh; croquet, table tennis, cards and loafing, twentyeighth; tumbling, twenty-ninth; tops, painting, marbles, gardening, attending circuses, and speedboat racing, thirtieth; canoeing, washers, cooking, model planes, and soccer, thirtyfirst; kiting, thirty-second; club meetings, keep away, horse shoes, hotrod rasing, and flying, thirty-third; and badminton, handball, shuffleboard, metal working, show animals, roping, bull dogging, bull riding, band, whittling, swinging, carving, bird watching, chess, checkers, and dominos, thirty-fourth.

TABLE 12
FAVORITE ACTIVITY RANKINGS BY GRADE GROUPS

		Rankin			Ranking
Activities	Ninth	Tenth	Eleventh	Twelfth	
	grad e	grade	grade	grade	boys
Bowling	13	12	10	1,1	13
Archery	17	12	17	15 14	25 21 31 28 31 26 17 34
Bicycling	16	13	16	14	21
Badminton	19 12 8		ii	* *	34
Boxing	12	1 5	11	16	19
Croquet	8	17	17	14 14 9 12 11 16	28
Canceing	19 16	ič	* *	14	31
Social dancing	10		13	9	19
Square dancing	18	17	10	12	26
Golf	14	11	10	11	1.7
Handball	**	**	**	16	34
Horseback		_			_
riding	8	8	7	10	8
Kiting	17		* •	• •	32
Riflery	10	9	9	11	12
Tennis	10 14 7 19 35 15	6	9 12 17 2 11 17	9 14 11 16 16 16	12 12 15 31 20 20 20 20 31 19 22
Softball	7	12	12	14	15
Soccer	19	12 16	17	• •	31
Swimming	3	4	2	1	3
Sketing	15	15 16	11	14	20
Scouting	16	16	17	16	27
Touch football	* *	9 17	* *	16	26
Tumbling	18	17	ić	16	29
Tops	15	• •	• •	**	30
Washers	15 17	**	* •	i 6	31
Wrestling	14	10	13	15	19
Yo-yoing	14 13 18	13	13 17	15	22
Keep away	18		• •	**	33 30
Marbles	16	**	17	**	30
Ping pong	12	8	17 15 16 16	10	10 28
Table tennis	***	15 16	15	16	28
Painting	19	16	16	1 1	30 25 31 30
Woodworking	16	13	16	ić	25
Cooking	17		• *	16	31
Gardening	17 18	* *	17	15	30
Listening to			,		
the radio	6	5	6	6	5
Reading	11	5 8 8	6 9		5 12 7 33 27 22
Auto driving	10	8	9	1 4	7
Club meetings	19	**		10 16 13 16	33
Church meetings	19 17	17	iš	13	27
Photography	17	12	13	1 16	22

TABLE 12-Continued

		Ranking	1n		Ranking
	Ninth	Tenth	Eleventh	Twelfth	
	grade	grade	grad e	grade	boys
Parties	19 13	13 15	15 17	13	25
Picnics	13	15	17	16	25
Playing marble					
machines	13 16	* •	15 7	11 ₁ 16	25
Attending fairs	16	**	7	16	19
Attending					ř
circuses	18	**	17	15	30
Football	1	3	ĺ	3	2
Baseball	1 4	2	4	3	2 L
Baske tball	2	1	3	2	ĺ
Track	15	16	7	8	16
Volleyball	1 2 15 11	3 16 16 12 7 10 16 8	17 14 14 14 16 16 16 11 14	15332837549756	16 18
Rodeos	13	7	6	7	9
Moving Pictures	16 12	1Ò	8	Ė	96541263341.08 3341.3822334
Motor eyeling	16	16	16	1/4	25
Fishing	12	8	12	9	1
Hunting	9	8	īī	Ź	īī
Camping	9 17	4.	11.	15	26
Horse shoes	19			16	33
Shuffleboard	19		**		35
Model planes		iŝ	• •	16	31
Speedboat racing	* *		17	13	30
Playing cards	19	17	17	ı T	28
Pool		īż	17	13 14 11	23
Hotrod racing				15 16 15	33
Metal working				18	<u> </u>
Hiking	16	ić	17	15	57
Show animals	**		ī7		3/1
Flying	18	-			33
Roping			17		\ \ \(\frac{1}{2}\).
Bull dogging			ī7	• •	31
Bull riding			īż	4.4	<u>र्</u> गाः
Mechanics				16	37
Band	19		▼ **		at
Loafing		16	13		34 34 34 34 34 34 34 34 34 34 34 34
Whittling		17	رر بيد 	**	ี จีไ.
Swinging	l io		**	**	1 37
Carving	19 19	* *	事 (集	**	試
Bird watching	19	▼ ▼	* *	₩ 3	新
Chess		17	**	* *	1 就
Checkers		17 17			강
Dominos		17	, *	***	31;
				. ▼.*	

In comparing this study and a similar study, the investigator found that a similarity existed, especially between the first four activities, basketball, swimming, baseball, and football. The similar study was concerned with physical activities, whereas the investigator's study was concerned with all types of leisure time activities.

A COMPARISON OF THE FAVORITE ACTIVITIES
OF THIS STUDY AND A SIMILAR STUDY

	Favorite activities		Favorite activities
Rank	of this study	Renk	of the similar study
1	Basketball	1	Swit monitor
2	Football	2	Football
3	Swimming	3	Basketball
4	Baseball	<u> </u>	Baseball
5	Listening to the radio	5	Track
6	Attending movies	456	Tennis
7	Auto driving	1	Boxing
ė l	Horseback riding	8	Touch football
23456789	Rodeos	7 8 9	Handball
1Ó	Ping pong	1Ó	Playground ball
11	Hunting	11	Wrestling
12	Riflery	12	Soccer
12	Reading	13 14 15 16	Water pole
12	Tennis	14	Archery
13	Bowling	15	Speedball
II.	Fishing	16	Life Saving
15	Softball	17	Golf
13 14 15 16	Track	17 18	Fencing

William Ralph Le Porte, "Seventh Annual Report of the Committee on Curriculum Research," The Research Quarterly of the American Physical Education Association, VI (May, 1935), 11.

In ranking the physical activities of the investigator's study, it was found that tennis, softball, and track, would be in fifth, sixth, and seventh places respectively, replacing listening to the radio, attending moving pictures, and auto driving.

CHAPTER IV

CONCLUSIONS AND RECOMMENDATIONS

Conclusions

From the findings of this study, the following conclusions were reached:

- 1. Ninety-two per cent of the boys of this study were fourteen, fifteen, sixteen, and seventeen years of age.
- 2. Public facilities were used, but there was more participation when the boys had their own equipment.
- 3. The city of Big Spring did not provide playground supervision.
- 4. The locations of the activities offered were too distant for many of the boys to participate.
- 5. Parental consent prohibited 7 per cent of the boys from participating in certain of their desired activities.
- 6. A small per cent of the boys indicated that they had learned the activities through school instruction.
- 7. The ninth, tenth, eleventh, and twelfth grades showed a close similarity in participation in their first ranking activity choices.
- 8. Very little similarity was shown among the low ranking activity choices of the four grade groups.

- 9. The boys of Big Spring High School had similar interests in leisure time activities, compared with boys of similar studies.
- 10. The four grade groups show a close similarity in the average number of hours spent per week participating in the first four ranked activities.
- 11. In the four grade groups, commercial facilities were used mostfor the observing activities.
- 12. The first three activity choices in which the ninthgrade boys wanted to participate were: club meetings, basketball, and golf.
- 13. The first three activity choices in which the tenthgrade boys wanted to participate were club meetings, basketball, and fishing.
- Il. The first three activity choices in which the eleventhgrade boys wanted to participate were fishing, hunting, and basketball.
- 15. The first three activity choices in which the twelfthgrade boys wanted to participate were fishing, hunting, and motor cycling.
- 16. The main reasons the boys gave for not participating in certain of their desired activities were did not have the equipment, activity too far from home, and fees too high.
- 17. The ten favorite activities of the boys of this study, listed in order of their popularity were basketball, football,

swimming, baseball, listening to the radio, attending moving pictures, auto driving, horseback riding, rodeos, and ping pong.

Recommendations

The following recommendations are made:

- 1. That the curriculum of the high school be broadened so that instruction may be given in more fields of leisure time activity.
- 2. That the city of Big Spring encourage the use of facilities that have been provided, especially those where there were no fees.
- 3. That the city of Big Spring provide playground supervision.
- 4. That more attention be given the maintaince of the public facilities within the city limits.
- 5. That fees for city recreation activities be lowered for the high school age group in order that more may participate.
- 6. That a further study of this problem be an evaluation of leisure time activities.

APPINDIX

QUESTIONNAIRE

In the following questionnaire answer as completely as you possibly can. Answer without hesitation for your name will not be used in connection with this paper, and there will be no individual check.

I. A. What is your age? (check one)

11	16
12	17
13	18
14	19
15	20

B. What grade are you in school? (check one)

9th.	11th.
The same of the sa	
10th.	12th.
The sales and the sales are	

- IL Read the following carefully, then answer number A in a column I, and then proceed with the others in order.
 - A. In column I place a check mark beside each activity in which you participated in your leisure time during the past school year (1948-1949) and the summer of 1949.
 - B. Did you have the facilities in your own home for the activities checked in column I? Place a check mark in column II for the activities you participated in and used your own equipment.

- C. If the facilities used in the activities were not your own, but were public property, check in column III. Public property meams property belonging to the school, city, state, or county.
- D. Place a check in column IV if the facilities you used in the activities were commercial in nature such as, movies and bowling.
- E. In column V check the number of hours spent per week participating in each activity.
- F. In column VI place a check beside the activity in which some instruction was given in school.

Activities	I	II	ш	IV	ł	1	댸늞	2	2讀	3	More than 3	VΊ
Archery												
Bicycling												
Baseball												
Badminton												
Boxing												
Bowling												
Croquet												
Canoeing												
Social Dencing												
Golf												
Handball												

Activities	I	II	III	IA	à	1	1分	2	23	3	More than 3	
Horse back Riding												
Jumping Rope												
Kiting												
Riflery												
Tennis												
Speedball												
Softball												
Soccer												
Swimming												
Skating												
Scouting												
Touch Football												
Tumbling			-									
Track												
Tops												
Volleyball												
Washers												
Wrestling			n. Lan., A. accumum									
Yo-Yoing												
Keep away				Promise and a second se								
Leap Frog										. ,		
Marbles						1						

			72								
Activities	I		III	IA	늄	ı	2	2}	3	More than	1
Ping pong			·			-					i-Majikin
Table Tennis	1										
Painting											
Woodworking											
Cooking											
Gardening											
Listening to the radio											
Reading											
Auto driving for pleasure			-								
Club meetings											
Church meetings											
Photography											
Parties											
Playing marble machines		,		The state of the s							
Picnics											
Attending circuses											
Observing Football											
Baseball											
Basketb all											
Track											
Volleyball											

Activities	I	ш	III	IA	ż	13	2	2참	3	More than 3	ΛΊ
Observing											
Tennis											
Rodeos											
Moving pivtures							-				
TII. List other a	in	but d	id not								
listed above? 1. Did not					•			•			
listed above?	hav e	pare	nt's	cons	•		n nin salita	•			
listed above?	have	pare equi	nt's	eons	ent			•			
listed above? 1. Did not 2. Did not	have	pare equi	nt's pment from	eons	ent			•			
 Did not Did not Activity 	have too	pare equi far	nt's pment	eons ——	ent			•			
listed above? 1. Did not 2. Did not 3. Activity 4. Fees too	have have too hig	pare equi far h	nt's pment	eons ——	ent			•			

V.	List	in	order	the	ten	(10)	leisure	time	activities	you
	like	bəi	st.					•		

1.	6.	
2.	7.	
3*	8.	
4.	9.	
5.	10.	

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