

A SURVEY OF THE DESIRES OF STUDENTS AND FACULTY
CONCERNING INTRAMURALS AND RECREATION
AT KANSAS STATE UNIVERSITY

by

RAYDON HOWARD ROBEL

B. S., Kansas State University, 1965

3735

A MASTER'S REPORT

submitted in partial fulfillment of the

requirements for the degree

MASTER OF SCIENCE

Department of Physical Education

KANSAS STATE UNIVERSITY
Manhattan, Kansas

1970

Approved by:


Major Professor

ACKNOWLEDGMENTS

The personal and professional advice and the time and effort devoted to this study by Associate Professor Raymond Wauthier and Professor T. M. Evans of the Department of Physical Education at Kansas State University are sincerely appreciated. A special appreciation is expressed to Director Don Rose of the Department of Intramurals and Recreation at Kansas State University for his support and departmental assistance in helping with this report. Appreciation is also expressed to the students and faculty for their cooperation and assistance.

LD
2668
R4
1970
R62
C.2

TABLE OF CONTENTS

PART	PAGE
I. INTRODUCTION.....	1
II. PURPOSE OF THE STUDY.....	3
III. METHOD OF STUDY.....	4
IV. RESULTS AND ANALYSIS.....	6
V. SUMMARY AND CONCLUSIONS.....	31
VI. RECOMMENDATIONS.....	34
VII. BIBLIOGRAPHY.....	35
VIII. APPENDIX.....	36

LIST OF TABLES

TABLE	PAGE
I. Importance of Exercise and/or Recreation in Respondents' Lives.....	7
II. Extent of Daily Exercise or Recreational Activity.....	9
III. Degree of Use of KSU Exercise and Recreational Facilities.....	10
IV. Stated Reasons for Not Using KSU Facilities.....	12
V. Preferred Times to Use Facilities.....	14
VI. PART I. Numbers and Percentages of Subjects Desiring Intramural Competitive Activities.....	16
VI. PART II. Numbers and Percentages of Subjects Desiring Free Play Recreational Activities.....	20
VII. Degree of Interest in Formation of Sports Clubs.....	24
VIII. Extent of Participation in Intramural and Recreation Program.....	26
IX. Percent of Respondents Who Would Participate in Program if Expanded.....	28
X. Percent of Respondents Willing to Pay Facilities Construction Fee.....	30

PART I

INTRODUCTION

Colleges and universities have a responsibility to their students to provide opportunities and facilities for recreation as a part of the educational offerings and as leisure time activities. These opportunities can be either on a scheduled intramural basis with team or individual competition or on a free-time recreational basis, allowing the individuals to be involved in their own informal recreation at their convenience. Going a step further, a person may desire to specialize in one or more areas and thus may join or form sports clubs for those areas, in which a group meets for active recreation and increased knowledge in that specific area.

A sponsored intramural and recreational program should be open to both students and faculty with participation elective or voluntary. To be a part of the intramural program, all the student or faculty member needs is a desire to participate--the degree of skill is the least important prerequisite. The program should be open to male and female, young and old, strong and weak, the physically handicapped, and those of all abilities.

By participating in a campus intramural and recreational program, an individual has the opportunity to develop new and increased skills and to realize more pleasure, thus heightening the value of life associated with the physical, mental, and social well-being of an individual.

There are a variety of programs that could be developed on a campus without coordination of objectives and interests. As a result, there is a need to determine ways in which campus intramurals and recreation may be strengthened, expanded, and coordinated to provide better recreational opportunities for all students and faculty.

At present the Kansas State Intramural and Recreation Department has intramural competition in the following areas: Men--swimming, golf, cross country, touch football, handball, tennis, horseshoes, table tennis, badminton, bowling, basketball, free throw contest, wrestling, volleyball, softball, and track; Women--swimming, kickball, basketball, volleyball, tennis, softball, canoeing, track, bowling, and table tennis; Faculty Men--basketball and softball. Facilities available for these activities and for free-time recreation include a new multipurpose area for nine softball fields and nine touch football fields, and a new complex for ten outdoor tennis courts and eight handball courts. Indoor facilities are inadequate as there is only a large gymnasium area serving a multipurpose use with conflicts due to limited space and a large number of participants. Also available are two weight lifting rooms and two wrestling rooms with mats. The two swimming pools are approximately fifteen by sixty feet, and it is felt that they are inadequate with regard to size, location, and condition. Because of this, there is no longer a varsity swimming team. All facilities are used jointly by the Physical Education Department, Athletic Department, and the Intramural and Recreation Department.

PART II

PURPOSE OF THE STUDY

The purpose of this survey was to determine intramural and recreational activities desired by students and faculty at Kansas State University and to determine the importance of these exercise and recreational areas in their lives.

It is hoped that the information in this report may be valuable to Kansas State University and to its Intramural and Recreation Department in planning new intramural programs and facilities and in expanding and improving present programs and facilities for student and faculty participation.

PART III

METHOD OF STUDY

A simple, short-answer questionnaire was constructed to collect information pertaining to the importance of exercise and recreation in a person's life, time spent in these activities, time preferred for these activities and use of facilities, and areas which students and faculty preferred for intramural competition or free-time recreation. The list of possible sports and recreational areas was composed of areas that seem to be most popular in this locale and in the country. A space was available in the questionnaire to list any desired activity which was not included.

The questionnaire consisted of a two-page form that involved yes and no questions, blanks, and spaces to check. It was felt that this type of questionnaire would take less time to answer and would result in more returns; consequently, there would be a more complete and accurate sampling of those people selected to receive the questionnaire. A copy of the questionnaire is included in the Appendix.

A random sampling of the students and faculty was taken from the 1969-70 Kansas State Directory, with every twenty-fifth name being used. In the faculty section this was adjusted to include only faculty and not other university employees. This resulted in 510 student questionnaires and 120 faculty questionnaires.

Those students living off-campus received their questionnaires and returned them by mail, using a self-addressed, stamped envelope.

Students living in residence halls, fraternities, and sororities received their questionnaires through distribution and collection by the residence hall directors or house presidents. These were picked up personally a week later from the directors and house presidents. Faculty questionnaires were sent and returned by campus mail through the Intramural Department. All questionnaires were mailed or delivered on March 18, 1970, and were to be returned or picked up by March 26, 1970.

The tabulated results of the questionnaire polling were:

Total questionnaires mailed.....	630
Total questionnaires returned.....	379
Total percent of return.....	60.2
Student questionnaires mailed.....	510
Student questionnaires returned.....	313
Percent of return.....	61.4
Faculty questionnaires mailed.....	120
Faculty questionnaires returned.....	66
Percent of return.....	55.0

Tables were set up for each question on the questionnaire, with the results of each question being recorded for final summary and analysis. Those students and faculty polled answered the questionnaire by indicating only their own personal desires for exercise and recreation. Some questions, such as #4-Table IV and #5-Table V, allowed more than one response; therefore, the total percentage was more than one-hundred. Tables were set up for male students, female students, male faculty, and female faculty. It was felt that this approach would hopefully discriminate among these groups.

PART IV

RESULTS AND ANALYSIS

Each question has been stated as it appeared on the survey questionnaire. Following the question, there is an analysis and interpretation of the table which was set up for that particular question.

Question One. Is exercise and/or recreation an important area in your life?

As shown in Table I, male students and male faculty felt that exercise and/or recreation was more important to their lives than did female students and female faculty. Ninety and eight-tenths percent of the male students and 82.3 percent of the male faculty stated the importance of this area to their lives. Seventy-five and eight-tenths percent of the female students and sixty percent of the female faculty stated this importance.

TABLE I

IMPORTANCE OF EXERCISE AND/OR RECREATION IN RESPONDENTS' LIVES

Subject	Answers	Number Responding	Percent
Male Student	Yes	149	90.8
	No	15	9.2
Female Student	Yes	113	75.8
	No	36	24.2
Male Faculty	Yes	42	82.3
	No	9	17.7
Female Faculty	Yes	9	60.0
	No	6	40.0

Question Two. Do you exercise or perform any recreational activity daily? If no, how often?

Table II shows that more of the students exercise daily than do faculty. Fifty percent of the male students exercise daily. Thirty-five and four-tenths percent exercised or performed some type of recreational activity three to four times a week. The majority of the female students, or 51.1 percent, do not take part in exercise or recreational activities daily. Thirty-nine and five-tenths percent responded that their recreational activities are performed once a week. Male and female faculty both responded with 66.7 percent not performing any activity daily. Thirty-eight and two-tenths percent of the male faculty made no comment as to recreational activities. Thirty-five and three-tenths percent performed activities one to two times a week. Forty percent of the female faculty performed activities two to three times a week, and thirty percent made no comment.

TABLE II

EXTENT OF DAILY EXERCISE OR RECREATIONAL ACTIVITY

Subject	Answers	Number Responding	Percent
Male Student	Yes	82	50.0
	No	82	50.0
	If no, how often		
	3-4 times a week	29	35.4
	1-2 times a week	22	26.8
	Occasionally	15	18.3
	No comment	4	4.9
	Weekends	1	1.2
Female Student	Yes	73	48.9
	No	76	51.1
	If no, how often?		
	Once a week	30	39.5
	No comment	22	28.9
	2-3 times a week	10	13.2
	Whenever possible	7	9.2
	Weekends only	4	5.3
Male Faculty	During intramurals	3	3.9
	Yes	17	33.3
	No	34	66.7
	If no, how often?		
	No comment	13	38.2
	1-2 times a week	12	35.3
	3-4 times a week	8	23.5
Female Faculty	Summer only	1	2.9
	Yes	5	33.3
	No	10	66.7
	If no, how often?		
	2-3 times a week	4	40.0
	No comment	3	30.0
	Rarely	2	20.0
	Once a week	1	10.0

Question Three. Do you use KSU facilities for exercise and recreation?

More male students, 73.2 percent, use the existing facilities than the other subjects surveyed. Only 13.3 percent of the women faculty use the facilities, while 42.3 percent of the female students and 41.2 percent of the male faculty use the facilities.

TABLE III

DEGREE OF USE OF KSU EXERCISE AND RECREATIONAL FACILITIES

Subject	Answers	Number Responding	Percent
Male Student	Yes	120	73.2
	No	42	25.6
	No comment	2	1.2
Female Student	Yes	63	42.3
	No	84	56.4
	No comment	2	1.3
Male Faculty	Yes	21	41.2
	No	30	58.8
	No comment	0	0.0
Female Faculty	Yes	2	13.3
	No	13	86.7
	No comment	0	0.0

Question Four. If you don't use KSU facilities, what is the reason?

The subjects responded to this question with more than one answer. Of those responding "no" to Question Three (Table III), in Table IV 57.1 percent of the male students stated that they do not use the facilities because they are crowded and 42.9 percent use other facilities. Thirty-one percent felt there is a lack of facilities. Fifty-three and three-tenths percent of the male faculty answering "no" to Question Three stated that there is a lack of facilities, with 36.7 percent stating the present facilities are crowded. However, 40.0 percent felt that they had no time to use the facilities. Both female students, 53.6 percent, and female faculty, 30.8 percent, felt they had no time to use the facilities. Thirty-two and one-tenth percent of the female students and 30.8 percent of the female faculty had no desire to use the facilities. However, 22.6 percent of the female students stated that there was a lack of facilities, and 15.4 percent of the female faculty stated that the facilities were crowded.

TABLE IV

STATED REASONS FOR NOT USING KSU FACILITIES

Subject	Answer	Number Responding	Percent
Male Student	Crowded	24	57.1
	Use other	18	42.9
	Facilities lacking	13	31.0
	No desire	11	26.2
	No time	11	26.2
	Unaware of them	4	9.5
Female Student	No time	45	53.6
	No desire	27	32.1
	Facilities lacking	19	22.6
	Use other	14	16.7
	Crowded	11	13.1
	Inconvenient	2	2.4
	Poor facilities for women	1	1.2
Male Faculty	Facilities lacking	16	53.3
	No time	12	40.0
	Crowded	11	36.7
	Use other	6	20.0
	Unaware of them	5	16.7
	No desire	3	10.0
	No need	1	3.3
	Lazy	1	3.3
Female Faculty	No time	4	30.8
	No desire	4	30.8
	Use other	3	23.1
	Crowded	2	15.4
	Facilities lacking	2	15.4
	No showers	1	7.8
	Unaware of them	1	7.8

Question Five. At what time or times would you prefer to use KSU facilities?

As shown in Table V, all subjects responding to this question said that they preferred to use the facilities on weekends. This included 75.6 percent of the male students, 67.8 percent of the female students, 52.9 percent of the male faculty, and 80.0 percent of the female faculty. With the exception of the male students who responded with 54.9 percent for the afternoons followed by 53.7 percent for the evenings, all others preferred evening as their second choice for the use of facilities--female students-47.0 percent, male faculty-49.0 percent, and female faculty-60.0 percent.

TABLE V

PREFERRED TIMES TO USE KSU FACILITIES

Subject	Answers	Number Responding	Percent
Male Student	Weekend	124	75.6
	Afternoon	90	54.9
	Evening	88	53.7
	Morning	11	6.7
	Noon	4	2.4
Female Student	Weekend	101	67.8
	Evening	70	47.0
	Afternoon	66	44.3
	Morning	6	4.0
	Noon	2	1.3
Male Faculty	Weekend	27	52.9
	Evening	25	49.0
	Afternoon	19	37.3
	Noon	12	23.5
	Morning	3	5.9
Female Faculty	Weekend	12	80.0
	Evening	9	60.0
	Afternoon	2	13.3
	Noon	1	6.7
	Morning	0	0.0

Question Six. Listed below are different areas and types of recreation. Check only those areas you would prefer to participate in that apply to your desires for recreation and exercise. Scheduled intramural competition--compete against others for points and awards. Informal drop-in free time recreation--drop in at your own convenience and play or use facilities as you wish at any time.

Question Six has been divided into two tables for ease in differentiating between scheduled intramural competition and informal, drop-in, free time recreation.

Table VI - Part I refers to the desires of students and faculty for scheduled intramural competition that involves competing against others for points and awards. The most popular areas of male student interest were basketball (46.3 percent), flag football (42.1 percent), slow-pitch softball (39.6 percent), and volleyball (35.4 percent). The majority of female students were interested in volleyball (37.6 percent), basketball (24.8 percent), bowling (22.8 percent), and slow-pitch softball (18.8 percent). The male faculty showed the majority of interests for intramural competition in basketball (13.7 percent), bowling (13.7 percent), slow-pitch softball (9.8 percent), trap shooting (7.8 percent), and volleyball (7.8 percent). The women faculty responded with interest in only two of the fifty-two areas listed, those being bowling and golf with 6.7 percent each.

TABLE VI - PART I
NUMBERS AND PERCENTAGES OF SUBJECTS DESIRING
INTRAMURAL COMPETITIVE ACTIVITIES

Activities	Male Student		Female Student		Male Faculty		Female Faculty	
	No. Res.	Per- cent	No. Res.	Per- cent	No. Res.	Per- cent	No. Res.	Per- cent
Archery -- indoor	6	4.0	6	4.0	0	0.0	0	0.0
outdoor	6	4.0	8	5.4	0	0.0	0	0.0
Badminton	25	15.2	15	10.1	2	3.9	0	0.0
Bait casting	2	1.0	1	.7	1	2.0	0	0.0
Basketball	76	46.3	37	24.8	7	13.7	0	0.0
Bicycling	2	1.0	2	1.3	1	2.0	0	0.0
Bowling	50	30.5	34	22.8	7	13.7	1	6.7
Bridge	15	9.0	13	8.7	3	5.9	0	0.0
Canoeing	15	9.0	14	9.4	1	2.0	0	0.0
Checkers	4	2.0	3	2.0	0	0.0	0	0.0
Chess	10	6.1	7	4.7	1	2.0	0	0.0
Cross country	18	11.0	2	1.3	0	0.0	0	0.0
Dance	5	3.0	8	5.4	1	2.0	0	0.0
Diving	16	10.0	9	6.0	0	0.0	0	0.0
Exercise room	-	-	-	-	-	-	-	-
Fencing	11	7.0	8	5.4	0	0.0	0	0.0
Field hockey	10	6.0	7	4.7	0	0.0	0	0.0
Flag football	69	42.1	10	6.7	0	0.0	0	0.0
Fly casting	3	2.0	2	1.3	1	2.0	0	0.0
Free throw contest	34	20.7	4	2.7	0	0.0	0	0.0
Golf	32	20.0	12	8.1	1	2.0	1	6.7
Golf driving range	-	-	-	-	-	-	-	-
Golf putting area	-	-	-	-	-	-	-	-

TABLE VI - PART I (continued)

Activities	Male Student			Female Student			Male Faculty			Female Faculty		
	No. Res.	Per- cent	No. Res.	Per- cent	No. Res.	Per- cent	No. Res.	Per- cent	No. Res.	Per- cent	No. Res.	Per- cent
Gymnastics	10	6.1	8	5.4	0	0.0	0	0.0	0	0.0	0	0.0
Handball -- indoor	31	19.0	2	1.3	2	3.9	2	3.9	0	0.0	0	0.0
outdoor	35	21.3	2	1.3	1	2.0	1	2.0	0	0.0	0	0.0
Health and fitness	-	-	-	-	-	-	-	-	-	-	-	-
Horseshoes	17	10.4	3	2.0	0	0.0	0	0.0	0	0.0	0	0.0
Ice hockey	11	7.0	3	2.0	0	0.0	0	0.0	0	0.0	0	0.0
Ice skating	2	1.0	6	4.0	0	0.0	0	0.0	0	0.0	0	0.0
Karate-Judo	12	7.0	4	2.7	0	0.0	0	0.0	0	0.0	0	0.0
Kickball	9	5.5	25	16.8	0	0.0	0	0.0	0	0.0	0	0.0
Lacrosse	7	4.3	2	1.3	1	2.0	1	2.0	0	0.0	0	0.0
Paddle ball	7	4.3	1	.7	2	3.9	2	3.9	0	0.0	0	0.0
Pocket billiards	36	22.0	7	4.7	0	0.0	0	0.0	0	0.0	0	0.0
Roller skating	5	3.0	4	2.7	0	0.0	0	0.0	0	0.0	0	0.0
Rugby	12	7.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Sauna or steam room	-	-	-	-	-	-	-	-	-	-	-	-
Shooting -- pistol	20	12.2	3	2.0	1	2.0	1	2.0	0	0.0	0	0.0
rifle	27	16.5	5	3.4	3	5.9	3	5.9	0	0.0	0	0.0
trap	23	14.0	3	2.0	4	7.8	4	7.8	0	0.0	0	0.0
Shuffleboard	2	1.0	4	2.7	0	0.0	0	0.0	0	0.0	0	0.0
Snooker	16	10.0	3	2.0	0	0.0	0	0.0	0	0.0	0	0.0
Soccer	25	15.2	9	6.0	0	0.0	0	0.0	0	0.0	0	0.0
Softball -- fast pitch	54	32.9	21	14.1	2	3.9	2	3.9	0	0.0	0	0.0
slow pitch	65	39.6	28	18.8	5	9.8	5	9.8	0	0.0	0	0.0
Squash rackets	1	1.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

TABLE VI - PART I (continued)

Activities	Male Student		Female Student		Male Faculty		Female Faculty	
	No. Res.	Per- cent	No. Res.	Per- cent	No. Res.	Per- cent	No. Res.	Per- cent
Swimming	32	19.5	19	12.8	0	0.0	0	0.0
Tennis -- indoor	24	14.6	6	4.0	0	0.0	0	0.0
outdoor	34	20.7	19	12.8	0	0.0	0	0.0
table	39	23.8	11	7.4	1	2.0	0	0.0
Track	39	23.8	8	5.4	0	0.0	0	0.0
Volleyball	58	35.4	56	37.6	4	7.8	0	0.0
Water polo	8	4.9	3	2.0	0	0.0	0	0.0
Water skiing	16	9.8	5	3.4	0	0.0	0	0.0
Weight lifting	8	4.9	1	.7	0	0.0	0	0.0
Wrestling	28	17.1	2	1.3	0	0.0	0	0.0

Table VI - Part II of Question Six represents the areas desired for informal drop-in free time recreation. This is not on a scheduled basis but allows students and faculty to use facilities at their own convenience; nor does it provide for competition other than on an informal, no points or award system. Of the two areas in Question Six, informal drop-in free time recreation appeared to be the most popular. The male students showed the most desire for free time recreation in basketball (57.3 percent), swimming (50.6 percent), bowling (47.6 percent), and pocket billiards (45.7 percent). Swimming (75.8 percent), ice skating (58.4 percent), bowling (55.7 percent), and bicycling (55.0 percent) were the most popular female student responses. Male faculty responded with desires for swimming (43.1 percent), golf driving range (37.3 percent), golf putting area (35.3 percent), and indoor handball (27.5 percent) as their most popular areas. The female faculty also responded with swimming (66.7 percent) as their first choice, followed by a sauna or steam room (53.3 percent), exercise room (53.3 percent), and bicycling (46.7 percent). Swimming was therefore the number one choice for use of free time recreation.

TABLE VI - PART II

NUMBERS AND PERCENTAGES OF SUBJECTS DESIRING
FREE PLAY RECREATIONAL ACTIVITIES

Activities	Male Student		Female Student		Male Faculty		Female Faculty	
	No. Res.	Per- cent	No. Res.	Per- cent	No. Res.	Per- cent	No. Res.	Per- cent
Archery -- indoor	24	14.6	23	15.4	2	3.9	2	13.3
outdoor	33	20.1	35	23.5	2	3.9	1	6.7
Badminton	21	12.8	50	33.6	10	19.6	2	13.3
Bait casting	14	8.5	4	2.7	3	5.9	0	0.0
Basketball	94	57.3	28	18.8	12	23.5	0	0.0
Bicycling	21	12.8	82	55.0	2	3.9	7	46.7
Bowling	78	47.6	83	55.7	11	21.6	6	40.0
Bridge	31	18.9	34	22.8	3	5.9	2	13.3
Canoeing	44	26.8	51	34.2	4	7.8	5	33.3
Checkers	14	8.5	12	8.1	0	0.0	0	0.0
Chess	30	18.3	10	6.7	1	2.0	0	0.0
Cross country	11	6.7	4	2.7	2	3.9	0	0.0
Dance	41	25.0	48	32.2	3	5.9	3	20.0
Diving	38	23.2	31	20.8	0	0.0	1	6.7
Exercise room	53	32.3	67	45.0	12	23.5	8	53.3
Fencing	13	7.9	19	12.8	0	0.0	4	26.7
Field hockey	7	4.3	3	2.0	0	0.0	0	0.0
Flag football	41	25.0	11	7.4	1	2.0	0	0.0
Fly casting	13	7.9	2	1.3	4	7.8	0	0.0
Free throw contest	-	-	-	-	-	-	-	-
Golf	48	29.3	44	29.5	10	19.6	4	26.7
Golf driving range	47	28.7	33	22.1	19	37.3	3	20.0
Golf putting area	46	28.0	30	20.1	18	35.3	4	26.7

TABLE VI - PART II (continued)

Activities	Male Student			Female Student			Male Faculty			Female Faculty		
	No. Res.	Per- cent		No. Res.	Per- cent		No. Res.	Per- cent		No. Res.	Per- cent	
Gymnastics	34	20.7		29	19.5		2	3.9		0	0.0	
Handball -- indoor	52	31.7		7	4.7		14	27.5		0	0.0	
Handball -- outdoor	54	32.9		7	4.7		6	11.8		0	0.0	
Health and fitness	27	16.5		44	29.5		11	21.6		7	46.7	
Horseshoes	18	11.0		11	7.4		2	3.9		0	0.0	
Ice hockey	7	4.3		3	2.0		1	2.0		0	0.0	
Ice skating	51	31.1		87	58.4		12	23.5		6	40.0	
Karate-Judo	41	25.0		24	16.1		2	3.9		2	13.3	
Kickball	8	4.9		12	8.1		0	0.0		0	0.0	
Lacrosse	6	3.7		0	0.0		1	2.0		0	0.0	
Paddle ball	14	8.5		3	2.0		2	3.9		0	0.0	
Pocket billiards	75	45.7		41	27.5		6	11.8		2	13.3	
Roller skating	38	23.2		75	50.3		5	9.8		3	20.0	
Rugby	7	4.3		2	1.3		0	0.0		0	0.0	
Sauna or steam room	58	35.4		59	40.0		6	11.8		8	53.3	
Shooting -- pistol	41	25.0		13	8.7		2	3.9		0	0.0	
Shooting -- rifle	64	39.0		24	16.1		5	9.8		1	6.7	
trap	58	35.4		10	6.7		9	17.6		0	0.0	
Shuffleboard	17	10.4		15	10.1		2	3.9		2	13.3	
Snooker	52	31.7		12	8.1		3	5.9		2	13.3	
Soccer	17	10.4		6	4.0		0	0.0		0	0.0	
Softball -- fast pitch	32	19.5		10	6.7		2	3.9		0	0.0	
Softball -- slow pitch	40	24.4		21	14.1		6	11.8		0	0.0	
Squash rackets	6	3.7		3	2.0		3	5.9		0	0.0	

TABLE VI - PART II (continued)

Activities	Male Student			Female Student			Male Faculty			Female Faculty		
	No. Res.	Per- cent		No. Res.	Per- cent		No. Res.	Per- cent		No. Res.	Per- cent	
Swimming	83	50.6		113	75.8		22	43.1		10	66.7	
Tennis -- indoor	33	20.1		32	21.5		7	13.7		2	13.3	
outdoor	59	36.0		73	49.0		13	25.5		4	26.7	
table	49	29.9		37	24.8		6	11.8		2	13.3	
Track	15	9.1		10	6.7		3	5.9		1	6.7	
Volleyball	38	23.2		46	30.9		10	19.6		5	33.3	
Water polo	11	6.7		8	5.4		0	0.0		0	0.0	
Water skiing	58	35.4		81	54.4		3	5.9		3	20.0	
Weight lifting	64	39.0		6	4.0		2	3.9		0	0.0	
Wrestling	23	14.0		1	.7		0	0.0		0	0.0	
Others requested												
Horseback riding	3	1.8		5	3.4		0	0.0		0	0.0	
Baseball	5	3.0		0	0.0		0	0.0		0	0.0	
Sailing	0	0.0		1	.7		0	0.0		1	6.7	
Outdoor swimming	0	0.0		1	.7		0	0.0		0	0.0	
Frisbee	1	.6		0	0.0		0	0.0		0	0.0	

Question Seven. Do you desire to specialize in one or more areas by joining or forming sports clubs in those areas, which would be outside of the basic intramural program? (scuba diving, soccer, parachuting, weight lifting, etc.)? List areas.

Sports clubs are areas of specialization where students and faculty may meet as a group to further their interests and knowledge in a particular area. The majority of the students and faculty (65.9 percent male students, 69.1 percent female students, 76.8 percent male faculty, and 66.7 percent female faculty) indicated, as shown in Table VII, that they did not desire to form or join sports clubs. However, the 28.7 percent of the male students indicating interests in sports clubs showed scuba diving (25.5 percent) and parachuting (23.4 percent) as their main desires. The female students (25.5 percent) also showed interest in scuba diving, followed by 21.1 percent for water skiing. The most popular area of sports club interest for the male faculty was bicycling with 33.3 percent. Of the three female faculty members who responded "yes" to interest in sports clubs, there was one response for each of the following: jogging, volleyball, and dance.

TABLE VII

DEGREE OF INTEREST IN FORMATION OF SPORTS CLUBS

Subject	Answer	Number Responding	Percent
Male Student	Yes	47	28.7
	No	108	65.9
	No comment	8	5.4
	Desired clubs listed		
	Scuba diving	12	25.5
	Parachuting	11	23.4
	Trap shooting	4	8.5
	Swimming	4	8.5
	Water skiing	3	6.4
	Canoeing	3	6.4
	Gymnastics	3	6.4
	Weight lifting	3	6.4
	Fencing	3	6.4
	Sailing	1	2.1
Female Student	Yes	38	25.5
	No	103	69.1
	No comment	8	5.4
	Desired clubs listed		
	Scuba diving	8	21.1
	Water skiing	8	21.1
	Parachuting	7	18.4
	Canoeing	4	10.5
	Ice skating	3	7.9
	Bridge	3	7.9
	Archery	3	7.9
	Swimming	2	5.3
Male Faculty	Yes	6	11.8
	No	39	76.5
	No comment	6	11.7
	Desired clubs listed		
	Bicycling	2	33.3
	Bird dog pointing	1	16.7
	Folk dancing	1	16.7
	Badminton	1	16.7
	Tennis	1	16.7

TABLE VII (continued)

Subject	Answer	Number Responding	Percent
Female Faculty	Yes	3	20.0
	No	10	66.7
	No comment	2	13.3
	Desired clubs listed		
	Jogging	1	33.3
	Volleyball	1	33.3
	Dance	1	33.3

Question Eight. Are you presently participating in the intramural and recreation program?

As shown in Table VIII, male students had the largest percentage of any group presently participating in the program with 60.4 percent. They were followed by the female students with 32.2 percent, and the male faculty with 17.6 percent. The female faculty showed no participation with 100 percent answering "no" to Question Eight.

TABLE VIII

EXTENT OF PARTICIPATION IN INTRAMURAL AND RECREATION PROGRAM

Subject	Answer	Number Responding	Percent
Male Student	Yes	99	60.4
	No	63	38.4
	No comment	2	1.2
Female Student	Yes	48	32.2
	No	100	67.1
	No comment	1	.7
Male Faculty	Yes	9	17.6
	No	41	80.4
	No comment	1	2.0
Female Faculty	Yes	0	0.0
	No	15	100.0
	No comment	0	0.0

Question Nine. If not, would you participate if the program were expanded to include many of the above?

Question Nine is a follow-up to Question Eight, asking if the subjects not presently participating in the intramural and recreation program would participate if the program were expanded to include many of the areas listed in Table VI. The results in Table IX show that the male and female students (32.3 percent and 42.3 percent respectively) and the male faculty (49 percent) responded with interest in participating if the program were expanded. However, the majority of the female faculty responding with 53.3 percent were not interested in an expanded program. It should be noted that some of the subjects answered this question even though they answered "yes" to Question Eight.

TABLE IX

PERCENT OF RESPONDENTS WHO WOULD PARTICIPATE IN PROGRAM IF EXPANDED

Subject	Answer	Number Responding	Percent
Male Student	Yes	53	32.3
	No	22	13.4
	No comment	89	54.3
Female Student	Yes	63	42.3
	No	39	26.2
	No comment	47	31.5
Male Faculty	Yes	25	49.0
	No	17	33.3
	No comment	9	17.6
Female Faculty	Yes	7	46.7
	No	8	53.3
	No comment	0	0.0

NOTE: Some subjects polled answered this question even though they answered "yes" to Question Eight.

Question Ten. Would you be willing to pay a semester fee of not more than \$5.00 for the construction and use of additional facilities including many of the above areas?

As shown in Table X, the majority of the individuals polled were in favor of paying a semester fee for the construction and use of additional facilities which would include some of the areas shown most popular in Table VI. Eighty-two and five-tenths percent of the male students, 71.0 percent of the female students, 76.5 percent of the male faculty, and 60.0 percent of the female faculty indicated that they would be willing to pay \$5.00 a semester to help build additional facilities and to pay for their use.

TABLE X

PERCENT OF RESPONDENTS WILLING TO PAY FACILITIES CONSTRUCTION FEE

Subject	Answer	Number Responding	Percent
Male Student	Yes	135	82.0
	No	28	17.0
	No comment	1	1.0
Female Student	Yes	106	71.0
	No	42	28.0
	No comment	1	1.0
Male Faculty	Yes	39	76.5
	No	11	21.5
	No comment	1	2.0
Female Faculty	Yes	9	60.0
	No	5	33.0
	No comment	1	7.0

PART V

SUMMARY AND CONCLUSIONS

It is hoped that the findings of this survey will be of some specific aid to Kansas State University in expanding, improving, and developing the present program and facilities, as well as future programs and facilities in intramurals and recreation for students and faculty.

It should be pointed out that the conclusions drawn from this survey represent the opinions of 3.0 percent of the students and 5.0 percent of the faculty at Kansas State University. However, it is felt that the desires shown for intramurals and recreation in this survey serve as an indication of areas to be developed with new facilities and of the need to improve old facilities.

The survey indicates that both male students and male faculty felt exercise and/or recreation were more important in their lives than did women. This was also pointed out by a larger proportion of males using the facilities than females. It must be noted at this point that the women's shower and dressing facilities are definitely inadequate as compared to the men's, as the women are using temporary facilities at the present time. However, the students, male and female, showed a higher percentage of daily exercise than did the faculty.

With more male students using the present facilities and more male students indicating that they are presently participating in the intramural and recreational program than the other groups, it was felt

that their indications of why they do not use Kansas State University facilities would best exemplify the need for future expansion of facilities. The male students' reasons for not using the facilities were that they were crowded and that there was a lack of facilities. It can be assumed that this is why they chose to use other facilities as a means of obtaining their exercise and recreation. Male faculty also stated that there was a definite lack of facilities. Because of the present inadequacy of the women's facilities, it could easily be seen why the female students and faculty gave the following reasons for not using the Kansas State University facilities: no time, no desire, use others, and lack of facilities.

The survey also indicated that the majority of those not presently participating in the intramural and recreation program would participate if the program were expanded to include some new areas, which would consequently require new facilities. It is also interesting to note that the majority of the students and faculty polled would be willing to pay a semester fee of not more than \$5.00, as indicated by this survey, to help build additional facilities and to pay for using the facilities, if they were expanded to include some of the major desires of the students and faculty.

The areas of intramurals and recreation in which the most interest was shown were, ironically, the areas in which the present facilities are lacking. The area of the most interest to both students and faculty was swimming on a free time recreational basis. At present there are only two small swimming pools and it is felt that they are inadequate

with regard to size, location, and condition for the amount of interest shown in this area. The male students' leading area of interest was basketball for both intramurals and recreation. At present there are only three basketball courts. Though very adequate in location and condition, the number of courts would definitely be limiting to those expressing an interest to play basketball at any time.

Other areas of definite overall interests to students and faculty were badminton, exercise rooms, golf, golf driving range, golf putting area, archery, bowling, canoeing, health and fitness, ice skating, sauna or steam rooms, tennis, volleyball, and water skiing. With the large percentage of student and faculty interests in these areas, it can be concluded that the present facilities do not provide for some of these areas and that further expansion of the facilities and programs is desired. This is further exemplified by the indication of students and faculty that they would be willing to pay for the construction and use of facilities and the indication that more individuals would participate if the program and facilities were expanded to include some of the areas of major interest.

The most desirable time indicated to use the facilities was on weekends and in the evenings. Therefore, if adequate facilities were provided, possible sharing of facilities with the Physical Education Department and the Athletic Department could be foreseen with fewer conflicts.

The majority of students and faculty polled did not desire to specialize in an area by joining or forming sports clubs for those

areas. However, those that did indicate a preference for sports clubs showed the majority of interests in scuba diving and parachuting.

PART VI

RECOMMENDATIONS

Kansas State University could provide better opportunities for intramurals and recreation as a part of the educational offerings on its campus by following the recommendations that can be concluded from this survey:

1. Plan and build a swimming pool large enough to accommodate the large majority desiring free time recreational swimming.
2. Build additional facilities for basketball to accommodate the large numbers desiring basketball.
3. Build new facilities to include indoor handball, exercise rooms, ice skating, a sauna or steam room, areas for rifle and trap shooting, and golf driving and putting areas.
4. Plan these facilities to meet predicted enrollments for the next twenty years.
5. Impose a semester fee on students and faculty to help pay for the construction and use of these facilities.
6. Make available more activities to involve as many people as possible of different desires and interests.
7. Make facilities available at any time for the majority who desire to drop in for free time recreation. These facilities should be available in addition to those used by the Physical Education Department and Varsity Athletics.

BIBLIOGRAPHY

American Association for Health, Physical Education, and Recreation.
Campus Recreation. Proceedings of the National Conference on
College and University Recreation, January 7-10, 1968. Washington,
D. C.: Department of National Education Association, 1968.

Hughes, William Leonard, Esther French, and Nelson Lehster. Adminis-
tration of Physical Education for Schools and Colleges. New York:
The Ronald Press Company, 1962.

Mueller, Pat and Elmer D. Mitchell. Intramural Sports. New York:
The Ronald Press Company, 1960.

National Intramural Association. Twentieth Annual Conference Pro-
ceedings. Dubuque, Iowa: Kendall/Hunt Publishing Company, 1969.

APPENDIX

1428 Jarvis Drive
Manhattan, Kansas
March 16, 1970

Dear K-Stater,

In cooperation with the Intramural and Recreation Department of Kansas State University, I am compiling information concerning the recreational desires of students and faculty at Kansas State. This information will be used by the Intramural and Recreation Department in making plans for the future. It will also be used toward the completion of my master's report.

Your name was selected at random to participate in this survey. I would appreciate your time and cooperation in making responses concerning this information and in prompt return of this questionnaire.

Sincerely,

Raydon H. Robel
Graduate Student
Kansas State University
Manhattan, Kansas

QUESTIONNAIRE

A SURVEY OF THE DESIRES OF STUDENTS AND FACULTY
CONCERNING INTRAMURALS AND RECREATION AT KANSAS STATE UNIVERSITY

For your convenience the questions are constructed so that you may use a check mark or short answer.

Male _____
Female _____

Student _____
Faculty _____

1. Is exercise and/or recreation an important area in your life?
Yes ____ No ____
2. Do you exercise or perform any recreational activity daily?
Yes ____ No ____ If no, how often? _____
3. Do you use KSU facilities for exercise and recreation? Yes ____ No ____
4. If you don't use KSU facilities, what is the reason?
No time ____ Crowded facilities ____ Lack of facilities ____
No desire to ____ Use other facilities ____
Other (specify) _____
5. At what time or times would you prefer to use KSU facilities?
Morning ____ Noon ____ Afternoon ____ Evening ____ Weekends ____
6. Listed below are different areas and types of recreation. CHECK ONLY THOSE AREAS YOU WOULD PREFER TO PARTICIPATE IN THAT APPLY TO YOUR DESIRES FOR RECREATION AND EXERCISE. Scheduled intramural competition--compete against others for points and awards. Informal drop-in free time recreation--drop in at your own convenience and play or use facilities as you wish at any time.

ACTIVITIES	SCHEDULED INTRAMURAL COMPETITION	INFORMAL DROP-IN FREE TIME RECREATION
Archery -- indoor		
outdoor		
Badminton		
Bait casting		
Basketball		
Bicycling		
Bowling		
Bridge		
Canoeing		
Checkers		
Chess		
Cross country		

ACTIVITIES	SCHEDULED INTRAMURAL COMPETITION	INFORMAL DROP-IN FREE TIME RECREATION
Dance		
Diving		
Exercise room	XXXXXXXXXXXXXXXXXXXXX	
Fencing		
Field hockey		
Flag football		
Fly casting		
Free throw contest		XXXXXXXXXXXXXXXXXXXXX
Golf		
Golf driving range	XXXXXXXXXXXXXXXXXXXXX	
Golf putting area	XXXXXXXXXXXXXXXXXXXXX	
Gymnastics		
Handball -- indoor		
outdoor		
Health and fitness	XXXXXXXXXXXXXXXXXXXXX	
Horseshoes		
Ice hockey		
Ice skating		
Karate-Judo		
Kickball		
Lacrosse		
Paddle ball		
Pocket billiards		
Roller skating		
Rugby		
Sauna or steam room	XXXXXXXXXXXXXXXXXXXXX	
Shooting -- pistol		
rifle		
trap		
Shuffleboard		
Snooker		
Soccer		
Softball -- fast pitch		
slow pitch		
Squash rackets		
Swimming		
Tennis -- indoor		
outdoor		
table		
Track		
Volleyball		
Water polo		
Water skiing		
Weight lifting		
Wrestling		

Specify others you would desire _____

7. Do you desire to specialize in one or more areas by joining or forming sports clubs in those areas, which would be outside of the basic intramural program? (scuba diving, soccer, parachuting, weight lifting, etc.) Yes ☐ No ☐ List areas _____
8. Are you presently participating in the intramural and recreation program? Yes ☐ No ☐
9. If not, would you participate if the program was expanded to include many of the above? Yes ☐ No ☐
10. Would you be willing to pay a semester fee of not more than \$5.00 for the construction and use of additional facilities including many of the above areas? Yes ☐ No ☐

A SURVEY OF THE DESIRES OF STUDENTS AND FACULTY
CONCERNING INTRAMURALS AND RECREATION
AT KANSAS STATE UNIVERSITY

by

RAYDON HOWARD ROBEL

B. S., Kansas State University, 1965

AN ABSTRACT OF A MASTER'S REPORT

submitted in partial fulfillment of the

requirements for the degree

MASTER OF SCIENCE

Department of Physical Education

KANSAS STATE UNIVERSITY
Manhattan, Kansas

1970

The purpose of this study was to determine intramural and recreational activities desired by students and faculty at Kansas State University and to determine whether the existing offerings of the Intramural and Recreation Department filled the desires of the students and faculty on this campus. It was hoped that the desires expressed for different areas of intramurals and recreation would give an indication as to the adequacy of present programs and facilities and an idea as to what facilities and programs should be planned for the future.

A questionnaire was sent to 510 students and 120 faculty members picked at random from the 1969-70 Kansas State Directory. The questionnaire was mailed to the off-campus students and was returned by a self-addressed, stamped envelope. The students living in residence halls, sororities, and fraternities received their questionnaires through distribution and collection by residence hall directors and house presidents. These were picked up from the living quarters personally a week later. Students responded with a 61.4 percent return, faculty members with a 55.0 percent return, and the total return was 60.2 percent.

Male students (90.8 percent) felt exercise was more important to their lives than did female students (75.8 percent), male faculty (82.3 percent), and female faculty (60.0 percent). More students take part in daily exercise and recreational activities than do the faculty. Male students (73.2 percent) use the existing facilities more than any other subjects surveyed. Of those subjects not using facilities,

57.1 percent of the male students responded that the facilities were crowded and 53.3 percent of the male faculty responded that there was a lack of facilities. Female students and faculty indicated that their reasons for not using facilities were no time and no desire.

All subjects responded with weekends as their first choice of time to use facilities (male students-75.6 percent, female students-67.8 percent, male faculty-52.9 percent, and female faculty-80.0 percent). Evenings were the second choice of all but the male students who had 54.9 percent desiring use of the facilities in the afternoon.

The most popular areas of male student interest for intramural competition were basketball (46.3 percent), flag football (42.1 percent), slow-pitch softball (39.6 percent), and volleyball (35.4 percent). Intramural interests for female students were highest in volleyball (37.6 percent), basketball (24.8 percent), bowling (22.8 percent), and slow-pitch softball (18.8 percent). Male faculty showed desires for basketball (13.7 percent), bowling (13.7 percent), and slow-pitch softball (9.8 percent). The women faculty responded with interest in only two of the fifty-two areas listed for intramural competition--those being bowling and golf with 6.7 percent each.

Between the two areas of intramural competition and informal free time recreation, the free time recreation appeared to be the most popular. Swimming was the first choice for all subjects except male students whose first choice was basketball (57.3 percent) followed by swimming with 50.6 percent. Second choice of female students was ice skating (58.4 percent), male faculty chose a golf driving range (37.3 percent), and female faculty chose a sauna or steam room (53.3 percent).

Sports clubs are areas of specialization where students and faculty may meet as a group to further their knowledge and interests in a particular area. The majority of students and faculty did not desire to join or form sports clubs (male students-65.9 percent, female students-69.1 percent, male faculty-76.8 percent, and female faculty-66.7 percent). The areas receiving the most responses from those wishing to join were scuba diving (25.5 percent) for male and female students and bicycling (33.3 percent) for male faculty. Female faculty had only one response each for jogging, volleyball, and dance.

Sixty and four-tenths percent of the male students are presently participating in the intramural and recreation program, followed by 32.2 percent of the female students and 17.6 percent of the male faculty, while none of the female faculty participates. However, if the program were expanded to include new programs and facilities, 32.2 percent of the male students, 42.3 percent of the female students, 49.0 percent of the male faculty, and 46.7 percent of the female faculty not presently participating indicated that they would then participate. It should also be noted that 82.0 percent of the male students, 71.0 percent of the female students, 76.5 percent of the male faculty, and 60.0 percent of the female faculty would be willing to pay a semester fee of not more than \$5.00 to help expand the facilities and pay for their use.

It was recommended that Kansas State University provide additional facilities and programs to meet the majority of the desires of students and faculty and to improve the present facilities. It was also recommended that a semester fee be imposed on the students and faculty to help pay for the construction and use of these facilities.