A COMPARISON OF THE KANSAS STATE TRACHERS COLLEGE PRESENCE OF 1984 AND OF 1984 IN REGARD TO GERTAIN ACADEMIC AND PERSONAL DATA

A THESIS

SUBMITTED TO THE DEPARTMENT OF
PSYCHOLOGY AND THE GRADUATE COUNCIL OF THE KAREAS STATE
TRACHERS COLLEGE OF EMPORIA IN PARTIAL PULPILLMENT OF
THE REQUIREMENTS FOR THE DEGREE OF
MASTER OF SCIENCE

LOIS WAUN-ETA BELLINGER
April 1985

Approved for the Major Department

Approved for the Graduate Council

din Jalawa

ACKNOWLEDGMENT

The writer wishes to express appreciation to Dr. H. E. Schrammel under whose direction this study has been carried out. His suggestions, exitisizes, and economics have made possible the successful completion of the problem. The ultimate value of his guidance, assistance and encouragement has been invaluable.

The author is indeed grateful for access to the records and files of the Pureau of Educational Measurements. These facilities have made possible the gathering and organizing of the data used in this problem.

Oratitude is also due Miss Vera Davis, research assistant, for checking, correcting, and proof reading the manuscript.

L. W. B.

CONTENTS .

		PAGE
LIST C	F TABLES	•
LIST C	P FIGURE	riii
Chapte	R	
ı.	INTRODUCTION	1
II.	DETERMINING THE DECILE RANK OF THE TWO CLASSES	5
III.	COMPARISON OF THE PARILY RESIDENCE OF THE TWO GROUPS	16
IV.	COMPARISON OF VARIOUS PAMILY AND HOME REVIRONMENT	
	DATA OF THE TWO GROUPS	25
V.	COMPARISON OF AGE AND OTHER PHYSICAL DATA OF THE TWO	
	GROUPS	40
W.	COMPARISON OF VARIOUS EDUCATION DATA OF THE TWO GROUPS	46
ATT.	DATA RELATED TO VOCATIONAL GUIDANCE	66
AIII.	COMCLUSION	77
BIBLIC	GRAPHY	86
A WHITE WE	**	84

LIST OF TABLES

ABLE		Page
ı.	Distribution of Army Alpha Test Socres Made By The	
	Preshmen Entrants of the Class of 1984	. 8
II.	Distribution of Army Alpha Test Source Made By The	
	Presimen Entrants of the Class of 1924	9
III.	A Comparison of the Medians and Quartile Deviations By	
	Decile of the Secres Made on the Army Alpha Intelligence	
	Test by the Freshmen of 1934 and Those of 1924	10
IV.	The Bumber and Per Cent of Students of Each Sex	
	Composing Each Decile of the Class of 1934 and 1924	14
V.	Humber and Per Cent of Students Coming From Each	
	County in HansasClass of 1934 and 1924	17
VI.	Average Ages of Parents as Related to the Decile Ranking	
	of Students	26
VII.	The Amount of Schooling of the Methers and Fathers of the	
	Class of 1934 as Related to the Decile Ranking of	
	the Students	28
VIII.	The Amount of Schooling of the Methers and Fathers of the	
	Class of 1924 as Related to the Desile Ranking of	
	the Students	31
IX.	Forty-five Occupations Ranked According to Social Status.	. 35
X.	Cocupational Status of Parents as Related to Decile	
	Ranking of the Freshmen of 1934	34

PARLE		PAGE
II.	Occupational Status of Parents as Related to Decile	
	Ranking of the Freshman of 1924	36
III.	The Average Number of Brothers and Sisters Per Family	
	As Related to the Decile Ranking of Students Class	
	of 1954 and 1984	58
mi.	The Relation of the Average Age of Students to Their	
	Ranking on the Entrance Examinations	40
XIA.	The Relation of Bhysical Beforts to Decile Ranking of	1
	Freelman Students	48
X¥.	The Relation of the Number of Years Setueon High School	
•	Graduation and College Entrance to the Decile Ranking	
	of the Student,	47
XVI.	Provious Attendance in Callege as Related to the Decile	
	Ranking of the Student	50
YAII.	The Relation of Failure in High School and Elementery	
	School to the Deeile Ranking of the Student	5 3
IVIII.	The Relation of Extraourricular Participation to the	
	Student's Desile Ranking on the Entrance Tests-	
	Class of 1934	55
XIX.	The Relation of Extraourricular Participation to the	
	Student's Decile Ranking on the Entrance Tests-	
	Class of 1024	67

•

. .

.

TABLE		PAGE
XX.	Comparison of Extracurricular Participation of Freehman	
	of 1934 with the Participation of the Freehman of 1924.	60
IXI.	The Relation of High School Honors Received to the	
	Student's Decile Ranking on the Entrance Tests	63
IXII.	The Relation of Occupational Experience to Decile	
•	Ranking of the Preshmen Entrants of the Class of 1934 .	67
mii.	The Relation of Self Maintainense to Ranking on the	
	Entrance Examinations Freelmen of 1954	69
XXIA"	The Relation of Self Maintainense to Ranking on the	
	Entrance Examinations Freshmen of 1924	71
XXV.	The Relation of Decile Ranking to the Length of Time the	
	Student Planned to Remain in College	75
XXVI,	Relation of Vocational Decision to Decile Ranking-	
	Gless of 1984	75

•

,

•

.

LIST OF PIGURES

ri g ur	18	PAGE
1.	The Distribution of Students From the Various Counties	
	in Kanses, Class of 1934	21
2.	The Distribution of Students From the Various Counties	•
	in Eanses, Class of 1924	22

CHAPTER I

INTRODUCTION

Statement of the Problem

This problem was undertaken for the specific purpose of determining the degree of relationship existing between the freshmen of 1934 and those of 1934 in regard to certain academic and personal data.

The study equalists of a series of problems based on records filled out by the students of the two classes. Consideration has been given to such questions as to whether or not freshmen of ten years ago were more judelligent than present day students who are entering college; whether they were younger or older; whether they were more nearly self-supporting financially or less so; and other similar questions aimed to center attention around data emecaning the activities of the student.

A survey in the nature of personnel research with the Freshman Information Cards has not been carried out previously at the Kansas State Teachers Calloge of Emporia. The fact that there has been need for such an investigation is evidenced by the lack of objective material either for advisory purposes or for vocational direction.

The field of personnel research is in only its earliest stages as related to objective data for educational purposes. Few teachers colleges or universities have done extensive work with personality or character data for their emm intrinsic value alone. The research carried on at the University of Iowa is an example of a study made to determine the pos-

sibility of predicting, at the time of entrance, a student's success or failure in callege. A survey has also been made of 19,000 I cma high school seniors in comparison with the University of I com freshmen as a foundation for concentent and vocational guidance.

In most instances, the espious information blanks regarding family data and personal interests which college entrants have been required to fill out have been too lightly regarded. These data have been of little permanent value either toward aiding the faculty to help the student adjust to college situations, or toward aiding administrators to give personal and vocational guidance to the student.

Source of Date

At the Kansas State Teachers Gollege of Emperia, each year before enrollment takes place, freshman entrants are given a battery of tests. At this time, they are also asked to fill out what is known as a Freshman Information Gard. These cards contain a series of questions conseruing the student's family and his personal life. Each student is asked to fill out the blanks contained on the eard to the best of his ability. Sample copies of the blanks for 1934 and 1984 are included in the appendix.

J. B. Johnson, "Predicting success or failure in college at the time of entrance." School and Seciety, XII (December, 1989), 772-776.

^{3.} R. Gerberich and G. D. Geddard, "A personnel survey of 10,000 Iown high school seniors." School and Society, XXX. (October, 1929), 515-520.

It will be noted that there has been a slight change in form. A revision of the 1924 form with some additions constitutes the present card. The fundamental data, such as age of student, home address, age of father and mether, amount of schooling of parents, eccupation of parent, etc., remain basically unchanged. The only material difference in the two forms is the addition on the 1954 eard of information concerning homers the student has received, such as highest scholastic rating, individual music honors, Maticual Honor Society, membership, etc. There is also an additional section including material concerning the student's choice of vecation, and what influenced him to come to the Eansas State Teachers Cellege of Emperia.

The data for the body of this study are arranged in two groups. Group I refers to the 552 students of the September, 1934, freelman class. Group II refers to the 742 entrants of 1924.

The reliability of the material depends entirely upon what the students themselves have eited as true. The writer has assumed the verse-ity of the individuals reporting the data.

The data used for this study are purely objective: they have been tabulated directly from the Freshman Information Cards filled out by the students themselves.

The study is based on what the student actually said about himself: the facts as they exist, not as they should appear, not in the manner in which they would be most spectasular, but as they are objectively presented on the eards.

Proviou of the Organisation of the Study

This study will be treated under the fellowing main topics:

- Chapter I. Intreduction
- Chapter ZI. The Grouping of Fyeshman Students into Deciles
- Chapter III. Comparison of Family Residence of Students of the Two Groups
- Chapter IV. Comparison of Family and Home Environment Data of the Two Groups
- Chapter V. Comparison of Age and Other Physical Data of the Two Groups
- Chapter VI. Comparison of Various Educational Data of the Two

Chapter VII. Data Related to Vecational Guidance

Chapter VIII. Summary Chapter

Bibliography

Appendix

The major divisions and chapters have been selected as a means of sectioning the material for adequate treatment. Each chapter contains one or more pertinent problems. These shapters are not to be considered as separate units, but as integral parts of a study proposing to show objectively the relationship existing between the freshmen of 1934 and those of 1924 in regard to academic and personal data.

CHAPTER II

DETERMINING THE DECILE RANK OF THE TWO CLASSES

At the beginning of each semester, the incoming freshmen of the Emperia Teachers Celloge are given a battery of tests in order that their degree of preparation may be determined.

In September, 1834, the 582 freelmen students were administered the fellowing tests:

Army Alpha Intelligence Test, Form VIII

Inglis Vocabulary Test, Form B

Marrett-Ryan English fest, Form I

Haggerty Reading Test, Signa III, Form B

The Every Papil Scholarship Test in High School Spelling (April 1932)

The Every Papil Scholarship Test in Arithmetic (April 1930)

The freshmen of ten years age, 1934, were required to take a battery of tests consisting of:

Army Alpha Intelligence Test, Ferm Y

Inglis Vocabulary Test, Form B

Barrett-Ryan Literature Test, 1924 Edition

Kaneas Silont Reading Test, Test III

Thurstone Psychological Exemination

Pressy-Richards American History

Buckingham-Stevenson, Geography, The United States, Place, Form I

Spelling Test, Kansas State Teachers Callege Civics Test, Kansas State Teachers College

On the basis of these tests the students in each of the two groups included in this study were slassified into ten sections. The raw squees made on each of the tests of the battery were weighted in such a manner that each test contributed its equitable properties toward the student's total scere. The weighting was somewhat arbitrary; it depended on the propertional length of the several tests and the relative importance of each according to the judgment of these administering the tests.

After the scores which each student had made on the tests were weighted, those derived scores were totalled. The distribution of the total scores was then, in each instance, divided into ten approximately equal groups. The students whose scores constituted the lowest 10 per cent composed Dealle I; the next lowest 10 per cent, Dealle II; the third lowest 10 per cent, Dealle III; and so on up to the highest 10 per cent, who composed Dealle I, In this and the fellowing chapters, the dealles will be referred to as I, II, III, IV, V, VI, VIII, VIII, IX, and X. Dealle I will always refer to the lowest 10 per cent, and Dealle I to the highest 10 per cent.

The range of the distribution of soores of the several tests was illustrated by the secres made on the Army Alpha Intelligence Test by the classes of 1934 and 1924.

³ H. E. Schrammel and B. R. Wood, "Success and failure of college students." Studies in Education, Number III, (January, 1931), 9-13.

Table I, presents the distribution of secres made on the test bythe freshmen of the class of 1954.

Table II, presents the distribution of secres made on the intelligence test by the freshmen of the class of 1924s

Decile I on the Army Alpha Test was from 50 to 115; for Decile II, from 55 to 135; and so on to Group X, which had a range from 150 to 190. Also, the median score of each decile from I to X was higher than the median score of the preceding decile. Each successive median from I to X, except that of Group V, was higher than the third quartile of the preceding group; and each successive first quartile from Group I to X, except that of Group VIII, was higher than the median of the preceding group. In Deciles II, III, VII, and X, the first quartile was higher than the third quartile of the preceding group. The quartile deviation ranged from 6.1 in Decile VII to 12.1 in Decile I. For the whole group, the quartile deviation was 16.1; the standard deviation, 25.2; and the sigms of the median, 1.65.

The range of the scores of the 1924 students of Decile I on the intelligence test was from 40 to 110; of Decile II, 65 to 155; and of Decile X, 115 to 190. The greater range in secret within the deciles for the class of 1924 was probably due to a difference in the weighting which determined the decile rank of the student. The median score for such decile was higher than the median of the preceding decile. The first quartile of Deciles II, IXI, VII, IX and X was greater than the median for the preceding decile. The quartile deviation ranged from 7.1 in Decile II to 11.5 in

TABLE I
DISTRIBUTION OF ARMY ALPHA TEST SCORES MADE BY THE
FRESHMAN ENTRANTS OF THE GLASS OF 1934

	Pealle											
Secres	I	IJ	13.55			14	144	1111	TX.	X	Total	
190 185 180 175 170 165 180 180 180 180 180 180 180 180 180 180	1 1 3 10 7 7 5 2 9	1 5 8 13 14 4 3 8	7 9 10 18 7 3 1	2 5 6 T 15 9 T 2 1	1 4 29 14 19 4 1	1 4 8 18 11 19 4 1	8 18 16 5 2	5 7 16 10 11 8	1 † 10 14 17 8	275872572	2 7 5 5 2 5 5 6 0 2 7 0 8 7 0 8 1 2 9 7 2 9 1 2 9 7 2 9	
70 65 69 55 50 Total Q 3 Mod. Q 1 Q	5 56 100,5 90,7 75,3 12,1	110.4	54 126.4 121.6 116.5	54 154.6 127.7 122. 6.3	57 137.6 133.7 128.1	57 143.5 159.1 134.6 4.4					2 552 152,5 132,6 120,5 16,1	

Read Table Thus: On the Army Alpha Test, the highest some of Decile I fell in the interval 115 to 119; the next highest some fell in the interval 110 to 114; 5 scores fell in the interval 105 to 109; and so on. The total number of students in the Decile was 56; the first quartile some for the Decile was 75,3; the median 90,7; the third quartile 100,5; and the quartile deviation 12,1. The column for each group is read in the same manner.

PARLE II

DISTRIBUTION OF ARRY ALPRA TRET SCORES MADE BY THE
PRESHMAN ENTRANTS OF THE GLASS OF 1924

	Socile Socile										
icares	7	L	11.5		4		VIII	72.17	13	Y	Total
190		1					•			1	1
185				•						5	5
180							1			4	8
176								_	8	10	13
170								1	Ţ	10	18
165						_		•		18	25
160]	3	.6	13	5	27
185						2	5	10	8	5	30
150				4.		6	2	14	15	1	40
145				1	#	5	10	8	14	2	4.8
140		_	_	_	6	7	18	6	5	•	43
186		1		3	5	8	17	7	5	1	47
150			*	4	33	16		10	1		53
125		1	10	8	15	10	7	6	2		80
120		7	9 1	9 11	13	•	4	2		1	53
115 110	. 1	8	13	12	•	8	3	2	ľ	*	42 46
105	2	5	34	**		i	•	•			41
100	🚡		7	4	•	•		1			27
95	5		5 .	8	4	1		•			24
90] 7	14	i	•	ī	ï					53
85	á	Š	4		•	-		,			15
80	•		₩.								13
75					1						18
70	3	3 1 1				ľ					4
65	•	ì									9
60											
55			ı								
50	1										1
45			•								
40	1				<u> </u>						1
otal	84	4	4	- 45			76	74	78	60	723
3 8	95.2		121.4	124.9	132.4	141.3	147,	156.1	165 2	176.5	
mg.	85.3	200.1	110,4	110.1	125-8	181.0	139,4	147.4	184.2	100,2	
1	75.0	75.4	103-6	100.5	115,4	134.3	132,5		348.8	160.	110.
<u> </u>	8.1	7.3		7.1	8.4	11.8	7+1	11.1	7.2	8.3	
D											26.

Read Pable Thus: On the Army Alpha Test, the highest score of Pacile I fell in the interval 110-114; the next highest score in the interval 105-109; 5 scores fell in the interval 100-104, etc. The total number of students in this decile is 54; the first quartile for the decile is 75.8; median 83.1, third quartile 93.2, and the quartile deviation is 8.8. The column for each decile is read in the same manner,

Bosile VI. The Q for the whole group was 18,8; the standard deviation, 28,3; and the signs of the median, 1,88.

III SIEAT

A COMPARISON OF THE MEDIANS AND QUARTILE DEVIATIONS, BY DECILE, OF THE SCORES MADE ON THE ARMY ALPHA INTELLIGENCE THEY BY THE PRESENCE OF 1954 AND TROOP OF 1954

	Marie 11936	\$1a48 1384	Class 1954	Class 1924
Deciles			CARTON	WELLES.
I	90.7	65,1	12.1	8.7
II	110,4	200,3	5.	7.1
III	121.6	110.4	8,,	8.9
IA	187.7	125-4	6,3	7.2
¥	138,7	125.5	4.B	8.6
V X	180.1	131.0	4,4	11.5
AII	146.1	139.4	5.1	7.3
VIII	151.5	147.6	6.	11.1
ZZ.	157.3	154.2	4.6	7.2
X	171.4	160.2	7.	8.5
Mhòle Glass	182.6	128.5	16.1	18.6

Read Table Thus; The median of Decile I for Group I is 90.7; Decile I of Group II is 85.1. The average median for Group I is 132.6; the average for Group II is 128.5. The Q of Decile I Group I is 12.1; of Group II, 8.7. The average Q for Group I, 16.1, for Group II, 18.6.

In Table III, the various measures of central tendency and variability for the two groups were listed in parallel columns so that they might be more readily compared. The medians were given for each decile of Group I (1934); and for each decile of Group II (1926). It will be noted that in every instance from Decile I to X, the medians of the class of 1936 exceeded those of the class of 1934. In Decile III, there was a difference of 11,2 points between the two medians in favor of the class of 1934. The median of the tenth decile in 1924 was 169.8

and for the 1936 class it was 171.6, a difference of 2.1 paints; this was the smallest difference between the medians for any of the deciles.

Whether a difference between the median score of the two groups of \$4.1 points is of sufficient size to be significant demands further consideration. To secure further information, it was mosessary to compute the P. E. of each median and the P. E. of the difference of the two medians, and to divide the actual difference by the P. E. difference. The P. E. of the first median is .867; and the first median is .882; the P. E. of the second median is .867; and the P. E. difference of the two medians is 1,195. The difference in the two medians divided by the P. E. difference yields a ratio of 5,45. This means that there are 99 chances in one hundred of a true difference. Hence, the difference on this intelligence test in favor of the 1934 class is highly reliable and merits serious emsideration. Between the two medians for the whole groups there is a difference of 4.1 points in favor of the

Golumns three and four of Table III were the Quartile deviation for each decile for the two groups. The Q for each decile in Group II was greater in every instance, except Decile I, than the Q for Group I. Hence not only did the medians of Group I exceed those of Group II, but also the quartile deviations were less in every instance except in Decile I. This advantage of the 1934 class, however, was only apparent. It was undoubtedly due to the weighting of test source in determing the decile groups. The 1934 system was perhaps superior to the plan used in 1924. It will be cheserved, however, that for the total distribution both the Q and the S. D. were smaller for the 1934 group than for the 1924 group.

Another significant point in the comparison of the two groups lies in the fact that the class of 1924 took Form V of the Army Alpha Intelligence Test and the class of 1934 took Form VIII. According to a recent investigation, Form VIII has been found to be as much as eight points more difficult than Form V. Monee, if both groups had been administered the same form of this intelligence test the 1934 group should have ranked even more above the 1924 group than it did.

These data tend to show that freehous entrants have noticeably improved in the last ten years in their sbility to perform on intelligence tests. This improvement may be due to greater familiarity with tests in general, to greater uniformity in the preparation given to students, of to differences in actual intellectual especity.

Relation of Test Secres Other Than Intelligence Test to Begile Rank

The decile ranking of the freshmen of 1934 was the compesite ranking of each student's several scores. However, it is significant to note
that there was a high correlation between the students' scores on the intelligence test and the scores of the other tests administered. For Group I
the following coefficients were obtained:

Army Alpha Intelligence Test and English Test .63 . .0178

Army Alpha Intelligence Test and Englis Vessbulary .66 : .0768

Inglis Vessbulary and English Test .67 : .0168

Ghristine Brannen, "The revision of the Army Alpha Intelligence Test" unpublished Master's thesis, Kansas State Teachers College of Emporis, Kansas, 1935).

Educational Measurements, Kansas State Teachers College of Emporia, Kansas 1935), pp. 1-3.

For the Freshmen of 1924, the following correlations have been determined:

Army Alpha Intelligence Test and American History	.71 ± .012
Army Alpha Intelligence Test and General Science	.40019
Army Alpha Intelligence Test and Psychological Examinat:	ion .78001
Army Alpha Intelligence Test and Eaness Silent Reading	.55017
Army Alpha Entelligence Test and English Literature	.50016
Army Alpha Intelligence Test and Geography	.54 ± .018
Army Alpha Intelligence feet and Inglis Youabulary	.78 ± .001
Army Alpha Intelligence fest and Givics	.52018
Inglis Vocabulary and English Liberature	.67 ⁸ ± .934

All of the conflictents for Tumped four times their P. E.s and are therefore significant. Some of them, notably these between the intelligence test and vecabulary; intelligence test and English, and vecabulary and English are exceptionally high. This signifies that each of the various tests of the battery tends to differentiate fairly consistently between students of superior and inferior preparation.

Table IV, gives the number and per cout of men and women that compens each decile of the classes of 1934 and 1924.

Of the students in the 1934 class, the men composed 40.2 per cont and the woman 89.8 per cent. It will be observed that a relatively larger per cent of the secres of the menuranked in the lever deciles than in the higher deciles with the exception of Booile X, which contained 12.6 per cent of the men and 9.1 of the woman.

Unpublished data, (Bureau of Educational Measurements, Kansas State Teachers Cellege of Emperia, Kansas, 1924),

TABLE IV

THE NUMBER AND PER CENT OF STUDENTS OF EACH SEX COMPOSING EACH DEGILE OF THE CLASS OF 1934 AND 1984

		Par	\$ I	A	10-	Par	FILE	,	Paz	TF	1	10-		t II B
		Hon		quat.	tal		T Canada	l .	liva.	1	CHARGO.	tal	Hon	A CHINE
Decile	No	7	16.	7	Ho.	7.		10	7.	10		Ho.	3.	, y
. I	32	14.4	25	7.	86	5.6	4.8	18	7.0	#9	7.4	58	2.4	·8.1
n	24	10.8	29	8.8	53	4,4	5.3	33	14.5	46	8.9	79	4.4	3,2
III	14	Bal	35	10,6	35	5.5	6.5	28	11.5	44	8.5	70	3.5	5.9
IT	32	9.9	82	9.7	54	4.	5.5	19	8.4	與	10.5	73	2.5	7.8
T	18	0.2	50	1146	57	3,3	7.1	81	13.7	84	10.	85	4,2	7.
¥1	22	9.1	35	10.6	57	4.	6.4	37	11.0	56	10.B	65	3,6	7.6
VII	10	8+6	37	11.2	64	344	6.7	80	8.0	56	10.9	76	2.7	7.6
AIII	18	8.1	38	11.5	54	3.5	6.9	15	6.6	67	15,	82	2.	9.
n	81	9.5	32	947	53	3.0	5.8	17	7.5	62	12,	71	2.2	8.4
X	28	12.6	30	9,1	58	5,1	5,4	21	9.8	40	7.8	41	2.8	8.4
Total	222	100.	130	100.	202	49.2	80.8	127	100.	818	59.5	TE	30.5	69,4

Read Table Thms: Part I-A and Part II-A of Table IV represent the class of 1986. Part I-B and Part II-B represent the class of 1986. In Part II A (Class of 1984) in Decile I 8.8 per cent of the whole class were men. In Part II-B only 8.4 per cent of the whole class were men. Read the remaining items in the same manner.

Of the students of the 1924 class, 30.5 per cent were men and 69.4 women. In comparison with the freehmen of 1924, there were 9.79 more men in the 1934 class. These data tend to indicate that more men were attending Teachers College in 1954 than in the period ten years previous.

Sumary

1. The freshmen of 1934 were found to be markedly superior in their performance on the intelligence test to the freshmen of ten years ago. The median of Group I exceeds that of Group II by 4.1 points. The P. E. dif-

forence of the two medians was 1,95.

2. In Group I, the correlations of the intelligence test somes with the other tests of the battery were found to be, in all instances, above .60.

For the freshmen of 1924, the correlation of the Inglis Vecabulary with the English Miterature test was found to be .67, or exactly the same as that of the Inglis Vecabulary and the English Test.

S. The data revealed that there are 9:7 per cent mere men attending this college in 1934 them were attending ten years ago:

CHAPTER III

A COMPARISON OF THE PANTLY RESIDENCE OF THE TWO GROUPS

College administrators, especially of state-supported schools, frequently inquire about the section of the state from which their students come from cortain counties than from others. It was with this point of view in mind that the following table has been devised from information listed by the entrants.

Table V presents the number and the per sent of the total number of students coming from each county in Kansas in each of the two classes, 1924 and 1934.

It is interesting to note that from 56 of the 105 counties in Kenses, more students came to Kansas State Teachers College in 1924 than in 1936.

Fighteen sounties: namely, Bourbon, Cherchee, Glark, Decatur, Finney, Seary, Hamilton, Labette, Lane, Leavenworth, Lincoln, Linn, Norton, Rush, Russell, Smith, Trege, and Wabennese, had from one to ten students enrolled as freshmen in 1934, whereas in 1934 no students came from these respective counties.

At the present time, students are enrolled from only four counties that had no students in this college in 1934.

of course, the fact must be taken into consideration that there were more students in the class of 1924 than there are in the class of

TABLE V

MUMBER AND PER CENT OF STUDENTS CONCING FROM BACE
GOURT IN BANKAS—GLASS OF 1934 AND 1924

**	Fresha	on of 1954	77.44 hasta et 1974			
County	Malber	For text	A. (M. Carlo	Net Carre		
l. Allen	5	-6	7	1.0		
2. Andersen	2	-,4	3	+4		
å, Atakisen		+4	5	•7		
4. Barber	13	2.4	5	•3		
S. Markin.	8	+6	4			
4. Bourbon				. 3		
T. Brown	7	1.5	9	1.5		
8. Butler	•	1.1	18	1.0		
S. Cores	7	1.5	5	•7		
10. Chautengus	6	1.1	1	+1		
LL. Cherekee				.8		
12, Cheyenna				_		
ls. Clark	_		.	•4		
14. Clay	5	•	5	44		
15. Cland	3	+6	; 7	1.		
10. Ceffey	21	3.8	16	8.5		
17. Communic	8	- 4	\$	il		
15. Cowley	3	•6	•	#6		
19. Cranters		'		_		
20. Desatur			1 1	•1		
11. Diekinsen	· 11	2.	8	1.2		
22. Deniphen	1 1	-8	_ 1			
23. Douglas		49	5	64		
24. Edwards		•7	•			
38, R1k	•	*2	₽	1.5		
26. Eliis		_	_	•		
27. Ellowerth	4	•7	7	1.		
28. Finney						
29. Ford	15	1.5	34	3.		
30. Franklin	10	2.4	7 5	1.		
21. Conry	Í		•	.7		
Si. Gove		1	\			
55 _h Grahem 54 _n Grant		}	í l			
	1					
55. Gray						

Read Table Thus: In 1934, 5 students, or .6 per cent, of the total number of freehmen came from Allen County. In 1924, 7 students or 1.0 per cent of the freshmen class, came from Allen County. Read the data for the other counties in the same manner.

TABLE V (continued)

HUNGER AND PER CENT OF STUDENTS CONTRO FROM EACH

GOUNTY XE KARRAS-CLASS OF 1934 AND 1934

			n ef 1934		n of 1914
County		Sumboy.	Per Cent	Sander 1	Per Cont
50.	Greeley				
57.	Orenzarged.	26	4.7	50	4.5
88.	Hamilton		• • •		.i
39.	Marper	13	2.4	9	1.5
40.	Harvey	18	2.4	10	1,4
41.			_	. -	
42.		1 1	2.		
43.	Jacks on			4	.6
44.	Jefferson		.4	28	2.2
45.	Jewell	3	•6	8	.7
44.	Johnson	4	•7	2	.8
47.	Kearny	8		4	.6
48.		8	•6	•	1.3
40.			-4	\$	•4
50.	Labotto			4	.6
51.	Lene			6	.9
52,	Locusanusth	J.		•	
85.	Lincoln	ľ		2	. 5
54.	14.m	1		3	.4
65,	Logan	l l		ì	
36.	Lyon	344	26.2	158	21.6
57.	Mediane on		•4	7	1.
58,	Marien	15	2.7	18	2.6
30.	Marshall	•	1.1	4	.9
60,	Mede	2]	•4	4	.6
61.	Mani		1.1	1	. 1
42.	Mitchell	3 1	-6	•	.0
45.		1 1	5.	7	l,
64.		21	5 , 6	6	
65,					
66,		7	1.5	10	1,4
67.	Receive	3	-6	4	-4
68.	No.04	3	•#	2	.3
60.	Herten		ĺ	1	•1
70.	Coage	9	1.6	15	2.2

PABLE V (continued)

WINDER AND PER CHAP OF STUDENTS CONTRO FROM BACK
COUNTY IN KARBAS-CLASS OF 1934 AND 1934

_, ~;	Service of the servic	Fresha	n & 1934	Free	ea of 1976
ounty		Rusher	Per Cent	Damber	Per Cent
71.	Osborne	1	.8	4	.6
72.	Ottame.	4	7.7	4	.6
73.		8		4	.6
	Phillips	1	.2	1	i .i
78.	Pottowntonio	a a	14	3.	.4
76.	Fratt	7	1.3	12	1.7
77.	Reviine	8	-4		_
	Rene	7 5	1.3	20	2,9
70.		8	.,9	4	.6
80.	Rice	8	.9	3	.4
61.	Riley	4	.7	7	1.
82.		1	ع. ا) †	,1
	Rush			1	.1
84.			Į.	2	.3
88.	Saline	1	,2	4	.8
86.	Sects	1	.2		
87.		8	1.5	12	1,7
88.		2	. 44	2	. 3
89.	Shawnee	8	9.9	8	1,2
90.	Sheriden				
91.	Sherman	8	•4		
92.	Smith			•	.0
93.	Stafford	7	1.5	11	1.0
94.	Straten .	4	*7		
95.	Stevens		,		
94.	Summer's	18	8.3	18	2.6
97.	Thomas				
98.	profe	1		1	.1
99.	The best transport		•	10	1,4
100.	Wellnee				
101.	Washington	1	-2	8	.9
	Wichite				1
	Wilson	6	1,1	4	
104.		11	2.	5	•7
106.	Wyandotte	2	•4	18	2.6
Out e	£ State	10	1.9	21	3.
Cotal	, (1984) - The first of the fir	660	100.1	696	99.9

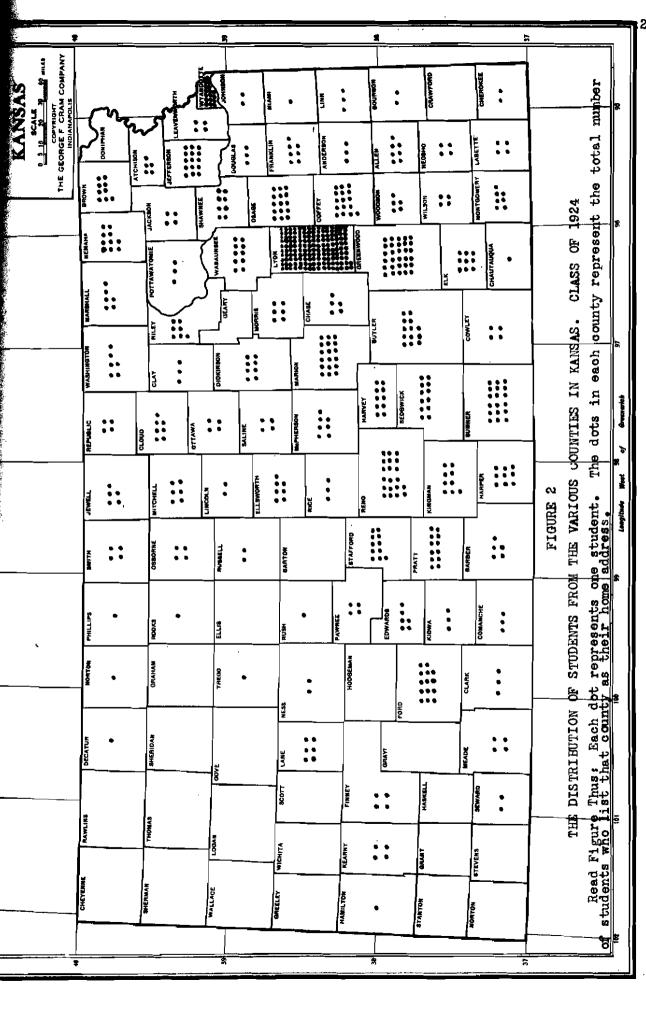
1954. Six hundred nimety-six students listed home addresses in 1924, and 550 in 1954; hence comparison on the per cent basis is more accurate, although the actual number of students is significant,

The greatest number of students for both groups came from Lyon County; 152, or 21, per cent, of the total class of 1924 and 184, or 28-8, per cent, of the class of 1934. The 1934 class shows a gain of 4.4 per cent ever the class of 1924 in freshmen enrelled from Lyon County.

Merris County shows a gain of mearly 5 per cent in students enralled in 1934. Summer County with 15 and Recks with 1 show the same number enralled in 1934 as ten years ago.

Wabaunsee, an adjoining county, presents an interesting fact in that there are no freshmen enrolled from there in the 1934 class, but in 1924 there were ten freshmen from this county. It is difficult to determine the cause for this entraordinary decrease; however the increased drawing power of Washburn College at Topeka may account, at least to some extent, for the less in number from Eannes State Teachers Gollege. There is always the possibility in every county, especially in counties of the western part of the atate, that fewer freehmen students are enrolling because of serious financial conditions caused by the depression, drought, and other unfavorable circumstances.

Figures 1 and 2 are det maps of Kansas showing graphically for the two groups the distribution of students enralled at the Kansas State Teachers Callege of Emporia from the various counties. These figures show a trend in the drawing power of the college over a period of ten



years. Figure 1 shows that the students of the 1954 class bended to some from counties that lay within first or second some distance from Emperia. For students of the 1954 class came from the northwest section of the state. It should also be observed that the counties of Linn, Bourbon, Granford, Cherekee, and Labette had no students earolled in the 1954 class. However, the counties adjaining the Oklahoma line; namely, Shautauqua, Cowley, Summer, Harper, Barber, and Comanohe, have contributed a large propertion of students to the 1954 class.

Figure 2 shows the distribution of the students from the various counties in the period of 1924. The two figures indicate that there were more students in the 1924 class than in the 1934 class. The number of students in the 1934 class who same from each county was more evenly distributed over the various sections of the state.

It is af interest to compare the differences in number of students who came from the same sensity in the two periods. In 1924, Wabaunsee Sounty had ten students enrolled at this college; in 1934, there were no students from this county. Eighteen students came from Wyandotte County in 1924, but in 1934 only 2 students came from this county.

The number of students who came from Morris County had more than tripled in the ten years. Chase County has an increase of 2 students enrolled at the Emporia Teachers College in 1934. We students enrolled in the 1934 freshmen class came from Linn, Bourbon, Granford, or Cherokee County; however, in 1924, these counties, with the exception of Granford, had from 2 to 3 students enrolled as freehmen.

The figures show that the students of the 1984 class came from more diversified sections of the State than did the students of the 1934 class.

Swinney

- 1. The freekmen class of 1924, or 742 students, exceeded the number of freekmen in 1934, 882, by 190 entrants.
- 2. The Northwestern section of the state showed a marked decrease in number of students coming to Exists State Teachers College of Emporia.
- 5. In 1924, there were 21 out of state students; in the 1934 class, there were only ten or a less of 1.2 per cent.
- 4. Investigation revealed that the majority of students in the 1934 class came from Lyon and nearby counties rather than from diversified sections of the state.

CHAPTER IV

COMPARISON OF VARIOUS FAMILY AND HOME ENVIRONMENT DATA OF THE TWO GROUPS

The expensate of heredity and environment have long debated the question whether native endoment, environmental emditions, or a sembluation of both determined an individual's ultimate success. Objective data are given in this chapter which have a bearing on the problem.

Payebologists have undo numerous investigations to determine
the ages of parents whose children are more brilliand, and to determine
the ages of parents whose children are duller than the average. In
this commettee, the average age of parents of the freehoon of 1936
was compared with the average of the parents of the 1826 freehoon.
Inble VI gives a comparison of the two classes as to everage age of
parents ascerding to the decile ranking of the students.

It is interesting to note, that the average age for the mothers of the 1934 class, 46.6 years, was nearly a year greater than the average age, 45.6 years, for the mothers of the students of the 1934 class. Similarily, the average of the father's ages, 49.9 years, was nearly two years greater than the average age, 47.9 years, of the fathers of the 1924 class.

It will be observed that in the class of 1934, the average ages of the methers of the students ranking in Deciles VIII, IX, and I were greater than were these of the students who ranked in the lower deciles

with the exception of Decile IV. The nothers of the students who ranked in Decile VIII had the highest everage ago, 48,2 years. The average age of the fathers, 49,9 years, was higher than the average of 46,4 years for the students; nothers.

AVERAGE AGES OF PARENTS AS RELATED TO THE DEGILE RAWLING OF STURENCE

	10	34	1	24
Deciles	Years	Yethers Years	Yethers Years	Ya Shays Years
1	46,5	50,2	45.7	50.4
11	45.0	50.7	45,9	55,1
III	45.4	47.9	45.5	55.3
I¥	48.	51.5	45,9	50,5
▼	44.8	48,8	45.8	50.8
VX.	45.9	48,8	45.9	50.6
AII	45,6	48,5	4o.9	55,2
VIII .	4847	81.	45,9	50,2
IX	46.6	49,8	45,7	59.1
X :	47.8	51,8	45.5	89.7
Average Age	46.4	49,9	45.8	47.9

Read Table Thus: The average age of mothers for Freshmen ranking in the first decile in 1934 was 46,6 years, for 1924, 45,7 years, Read the average age of each decile for father and methers in the same manner,

The average ages of the fathers for the students who ranked in every decide except the third, exceeded the highest average age of the mothers which was 48,2 years. The average age for the mothers of the students who ranked in each of the ten decides was 45 years plus a fraction varying from .5 to .9 of a year. The average ages of the

fathers exceed the averages of the methers by nearly five years for the students who ranked in each decile with the exception of Deciles II, III, and VII; in those deciles, the average age of the fathers, 55.+ years, exceeds that of the methers, 45.+ years, by nearly ten years.

In summary it may be stated that, on the average, the fathers and mothers of 1954 freshmen are older by approximately two years than were the parents of the freshmen of 1924. In this connection it should also be observed that in a later chapter data will be presented which show that 1954 freshmen are on the average, two years younger than were the 1924 freshmen. Hence the difference in age between parents and students is actually four years greater in 1934 than it was in 1924.

Amount of Schooling of Parents

The amount of schooling of the parents has been considered to have a direct affect upon the attainment of their children. Tables VII and VIII show the amount of schooling of the parents as related to the decile ranking of the students.

Table VII shows that of all the methors listed for the class of 1984, only one had received a Muster's degree; 10 had graduated from college, and 82 had attended college. Of the methors who attended high school, 128 had graduated, and 25 had attended but did not graduate; 219 of the 463 methors listed had only an elementary school education.

Home of the mothers of the students ranking in the first four deciles had attended college. The mother of one student in the fifth decile was a college graduate. Only 5 of the mothers of students ranking

TABLE VII

THE ANORET OF SCHOOLING OF THE NOTHING AND PATHERS OF THE CLASS OF 1934 AS RELATED TO THE DESCRIP RAMERIC OF THE STUDIESTS

ď					13	21.16					
Schooling	Ĭ	I	111	1	•	F	H	1111	Ħ	•	Yotal
Mothers					•						•
Ph. D.								-			
W. S.							~				,rd
, 00 · M					-		M		*	ю	20
Attended College	169	₩,	#	•	P ~	*	(h	ជ	0	21	#
High School	13	30	•	13	11	*	27	20	27	35	128
Attended High School			•	P	•	rl	17)	W		•	10
Grades	2	R	2	2	ង	22	23	2	2	66	219
Median	Grades	Grades	AY.H.S.	AT.H.S.	AT. H.X.	Cracios	B.8.	AT.H.S.	B.5.	E.S.	463
Fathere		5.1	ļ								i
Ph. D.											
K. S.								*	ø		19
B, S.		-		e	N	_	~	~	N	173	2
Attended College	ω	!	! ~	•	11	-	•	2	11	a	F
Each School	13	21	27	6	•	10	•	16	•	2	2
Attended fileh School			~ 1	O#	N		**	H	-	ю	P)
Grades	23	*	**	93	10 10 10 10 10 10 10 10 10 10 10 10 10 1	23	23	**	덞	R	77
Median	Oraces	(Insides	Grades	Grades	Grades	Orrados	Grades	H.S.	Oredes	AY. H. S.	993
the second second second second second	The second secon				The second secon						

Of the students remaing in Decile I, only 5 of their methers attended college, 15 had attended sallege, 10 graduated from high school and 30 had only grade school education. Read each decile in graduated from high school and 25 had only a grade school edscation. Of those ranking in Decile II. 6 the same manner for both nothers and fathers. Bead Jable Thest

in the tenth decile had graduated from callege. The undiams of school attainment for the methers of students ranking in the different deciles more interesting. For the methers of the students who ranked in Deciles I and II, the average amount of schooling was grade work; for the methers of students in Deciles III, IV, and V the median amount of schooling was high school attendance. In Decile VI, the median school attendance of the methers reverts to grade school education. However, in Deciles VII, IX, and I the median school attendance of the methers lay at high school graduation, although in Decile VIII, the median was high school attendance, but not graduation.

Of the fathers of the class of 1934, 5 had received master's degrees, but mene had received Ph. D. degrees. Of the fathers who attended college, 19 received degrees, 79 attended, but were not graduated. Himsty-cim fathers were high school graduates, and 13 attended high school. However, of the 466 fathers listed, 261 had only elementary school education.

or the students ranking in Decile I, none of the fathers were college graduates and only 5 had attended college. Of the number of students ranking in each successive higher decile, there was a material increase in the number of fathers who had attended college, with the exception of Decile VI; and in this decile the number of fathers listed was smaller than in other deciles. Of the students who ranked in the eighth decile, 5 of the number listed had received master's degrees, whereas of these in the tenth decile, none of the fathers were listed with such degrees. It will be noted that the medians of school attendance

for the fathers lay in elementary school preparation with the exceptions of Beeiles VIII and X, where the medians were high school graduation and high school attendance without graduation, respectively.

The lover medians of school attainment for the fathers than for the methors may be assessed for by the fact that the fathers were probably forced to quit school in order to obtain gainful employment to support a family.

Table VIII presents similar data for the slage of 1924, Of the methers, none had obtained master's degrees, although 7 were sollege graduates. Seventy-two had attended college; 154 were high school graduates, 13 had attended but not graduated from high school, but 429 of the 675 listed had only elementary school education. The median age of the methers for students ranking is Deciles I to X was elementary grade education. Hence of the methers of the students ranking in the first decile had attended college; only 2 of the methers of students ranking in Decile X were college graduates.

Of the fathers, the same number had master's degrees in 1924 as in 1934; similarly, 12 were college graduates as compared to the 12 college graduates of the class of 1934. However, there were 210 more fathers listed in 1924 than in 1934. The median school attainment of the fathers of the students in the class of 1934 was elementary school attendance.

In the comparison of the two classes, the fact series notice that the medians of school attendance for both methers and fathers of the

TABLE TITLE

THE AMOUNT OF SCHOOLING OF THE NOTHERS AND PATHERS OF THE GLASS OF 1984 AS RELATED TO THE DECILE RANGING OF THE STUDENTS

					8	2				GF.	
Schooling	1	T.	B	1		11	H	1111	Ħ	*	1000
Methers	,		Ī							4	,
7. D.	,		_								
, m											
90					H	p=4	, r		A	44	-
Attended Calloge		•	•	-	10	12	•	•	140	ជ	F
High Sehool	91	Z	2	ķ	2	2	11	11	12	2	725
Attended High School	N	•	Ņ	N	4		,-1		*		154
Grades	D)	*	7	3	10	*	#	10	\$	8	3
Median	Grades	Series Series	States.	Or white	Grades	Grades	Grades	Stades.	Syldes.	Oreston	94.9
Pathere							- 			·	
Ph. D.											
K. S.							**	야		~	140
- 100 m		-4		**		149	~		04		21
Attended Cellege	ю	*	2	10	•	•	•	*	٠	•	3
High School	19	#	#	7	2	•	•	•	•	2	\$ 2
Attended Mach School	•		×	M	M	m	*	m	10		7
Orados	*	20	**	\$	**	덚	5	120	\$	12	\$
Moditar	200	(Frades	aredes.	Grades			S. C.	-	Grades	207	919

graduated from high school, 2 attended high school but did not graduate, 32 had only elementary school oftention. The average excent of schooling of contra, being grade school. Read each decile in the same names Band Table Thuss Of the students renting in Peatle I, more of their nothers attended college, 16 for fathers and mothers. 1934 elass exceeded the medians of the mothers and fathers of the class of 1934. However, it is surprising that there was not greater variation, because of the increased epportunity for education, and the increased universality of school attendance.

The Influence of Parental Compation Upon Decile Ranking of Students

The results of numerous investigations show that there is a high servelation between occupational level of the parent and the intelligence of the offspring.

tions that it was assessary to use some method of classification and rankings. For this purpose, Sewage S. Count's list of forty-five occupations has been used. This list is the apprage of the social status rankings given the forty-five occupations still further, the list of forty-five was divided into five divisions. Division I contains the first nine of the cocupations listed according to social status; Division II contains the second group of nine, and so on to Division V, which contains the nine rated lemost according to social status. These five divisions, each containing nine occupations, were made arbitrarily—simply for the sake of convenience in classification.

George S. Counts, "The social status of ecoupations; a problem in vocational guidance." School Review, XIXIII (January, 1925), pp. 16-26.

TABLE XX

PORTY-FITS COCUPATIONS MAKEND ACCORDING TO SOCIAL STATES AN AND PERSONS

Division V	Occupations.	57. Factory Operative 58. Blackendth 58. Conl Miner 60. Jouitter 61. Buiter 62. Tenneter 63. Red Carrier 64. Street Gleaner 65. Ditteh Digger
Tales II	Compart en	28. Carpentian 29. Release 30. Beldier 31. Typesother 32. Thiller 33. Thiller 34. Motorner 36. Berter
3.4 C. L.	Charage A. Can	19. Teacher (Rural) 10. Grader 11. Bestieser 12. Electrician 13. National 14. Insurance Agent 14. National 15. Ext. Octobrie
LIMPICE II	The separation of	10. Teacher (E.S.) 11. Mississary 12. Factory Manager 13. Teacher (Klom.) 14. Merchant 15. Kan of leisure 16. Farme 16. Farme 16. Farme 16. Salesman
Division I	S Opening them	1. Banker 2. College Professor 3. Physician 4. Clergman 5. Lawyer 6. Arto Mannfacturer 7. Supt. of Sabsels 8. Civil Engineer 9. Aray Captain

Read Inhie Thes: In Division I, the eccupation of Menting was listed as remiting first in eccepational status; a sellege professor was rated second, and a physician third, etc. A ditch digger was rated as the compation ranking lowest in the seals scale. Read the other itsus in the sum manner. Table I gives the occupational status of the parents in relation to the decile ranking of the students of the class of 1936,

COCUPATIONAL STATUS OF PARKETS AS RELATED TO DEGILE RANKING OF THE PERSONNE OF 10:36

	************	Y		7	7			W	-	7	Total
			<u> </u>			77		N. Y		-	
	9			1 7		<u> </u>	NO.				
r i	2	38,8	40	12.7		7.7	8	t _a t			88
ř	ĭ	6.5	35	11.2		Sa6	I A	7.		15.6	88
E	-		33	9.3] =	11.6	5	8.8	1 2	6.5	47
	1	6.3	24	7.4		11.5	13	22.3	X	9.4	80
	*		33	10.5	÷		-	7.		18.8	80
	•	12,5	89	9,2	\ •		4		. 7.	18.0	
	77		51	9.8	l å	11.8	1 5	32.5	1 2	9-4	50
	4	25.	32	10.8	🙀		اغا	8.8		9.4	27
	3	18.8	25	8.	14	34.	Ă	7.1	, <u>, , , , , , , , , , , , , , , , , , </u>	9-4	40
	×	10.5		10.8		4.4	Ä	30.5] 🖥	3.2	49

Read Table Thus: Of the 55 students in Decile I, the fathers of early 8 of them or 12,5 per cent had an eccapational residing of I; 40 or 12,7 per cent ranked status II, 6 were in status III, 5 in ranking IV, and none ranked in status V. Read each decile in the same manner.

Table X gives the ensupational status of the parents of the statement of the 1936 class in relation to the latter's decide ranking. It will be observed that a greater proportion of parents of students who ranked in the upper decides; namely, VIII, IX and X, ranked compationally in the more select divisions than did the parents of students with a lower decide status. The parents of 3 of the students who ranked in Decides IX and X were classified in occupational Division I. The parents of 3 of the students who ranked in Decides II.

Time of the parents of the students who ranked in Deciles III. V. and VI

It should be observed that both Deciles V and VI have an equal master of students whose parents ranked in the lowest social status group; dute as many or more than twice as many as in any of the other deciles among Decile II. The parents of students who ranked in Decile I had the greatest number in occupational Division II with 40 parents listed as being of this ecoupational status. Only 24 of the parents of students who ranked in Decile IV were placed in occupational Division II.

It should be stated that the greater proportion of the parents fanked in compational status II. In Count's list, the farmer is considered in Division II, hence, since the Kansas State Teachers College of Emperia is lecated in a farming area it would be expected that the parents of the largest number of students would be engaged in farming.

Table II gives the cosupational status of the parents in relation to the degile ranking of the students of the class of 1924.

It is apparent from this table that 23, or more than half, of the parents of the 41 students in the first decile ranked in compational Division II. The parents of more than two thirds of the 60 students in Decile II were listed occupational level II. The parents of 2 of the students who ranked in Decile X were in Division I; the parents of 31 of these students had an occupational level of Division II. The parents of 11 of the students who ranked in Decile X were given an occupational ranking of Division II; the parents of 5 of the students from this group ranked in Division IV, but the parent of only 1 of these students ranked in occupational level V.

COCUPATIONAL STATUS OF PARENTS AS RELATED TO DECILE
RANKING OF THE PRESHMEN OF 1924

					Rex	E. IN					
g ^{s.}			1	1				Λ		Y	Total
el la	No.	7.	500	76	No.	7,5	Io.	7,	II Ou	75 .	Ze.
I	3	10.	23	6,	8	10.5	1	1.2	8	18.0	41
II	#	10,	41	10,7	2	2.6		9.9	8	15.6	60
II	8	10.	47	32,2	- 5	6.6		11.1		1348	69
İY	4	13.5	86	9,4	6.	7.9	15	16.		5.3	6)
Ť	1	3,5	62	15.5	7	2,2	12	34.8	4	10.5	76
V	8	10.	36	9.9	5	6.6		11,1		10.5	59
71	5	10	58	9.9		10.5	*	8.6	ı,	2,6	57
II	2	7.	45	11,2	18	17.1	8	9.9	4	10.5	70
TX.	G	20.	35	8*7	23	34.6	11	15.6	# .	18.0	- 88
X	2	7.	51	8.1	13	14.5	8	5.7	1	1.6	48
mi i	10	Do.	104	100.	76		31			14.7	800

Rend Table Thme: Of the 61 students in Decile I, the fathers of 5 of them or 10. per cent had an ecoupational ranking of Dividion I; 25 or 6. per cent ranked in Bivision II; 8 in Bivision III; I in Division IV; and 6 in Stutus V. Read each Decile in the same manner.

The comparison of the two classes shows that there has been little change in the compational status of the parents of the students of the class of 1934 from those of 1924. For the most part, the parents of freshmen students are engaged in farming.

The Relation of the Size of Family To Decile Ranking of Students

Communistrationisms point to the fact that the giae of the American family tends to be becoming smaller. In view of this condition, it is significant to notice the number of brothers and sisters the students of the 1934 class had in comparison with the number of brothers and sisters

decile rank. The problem was to determine whether the students coming from smaller families were more brilliant than those coming from larger families or whether those coming from larger families were the more brilliant. The data have been worked up with two questions in mind; the average size of family in regard to brothers and sisters now living, and the average size of family including brothers and sisters deceased.

Table XII presents the data for the classes of 1984 and 1924.

Gensidering the average size of family including the brothers and sisters not living, the students ranking in Decile II come from the largest families. The students who were in Decile I come from the next largest size family, having an average of 4.4 brothers and sisters.

The average size of the family was materially increased when the number of brothers and sisters not living were included.

It is of interest to compare the average size of the family of the 1934 class with the average size family of the class of 1934. The average size of the family of the students of the 1924 class was larger than the average sized family of the freshmen of 1934. Those students of the 1924 group who ranked in Deciles III and VIII came from homes where they had more than five brothers and sisters (including the number of brothers and sisters not living). Henever, of this class, the cise of the family of the students ranking in Decile X was not larger than the family of the students who ranked in other deciles.

These data indicate that the average size of family, 3.6 brothers and sisters, of the students of the class of 1934 was materially smaller

TABLE ATT

THE AVERAGE NUMBER OF RECTHERS AND SISTEMS PER FAMILY AS RELATED TO THE DECILE RANKING OF STUDENTS --CLASS OF 1954 AND 1924

	***	2	Nes of 185				13	Mar of 192	2 27.7	
		114	7	Ese toding	Decembed		E	9	Inchading	Toppened.
	Heather	Mendone	AV. HO.		Av. Ne.	Water Sec.		Are. 160.	Targett A	Av. 10.
	Students	Wothers.	Pothers	Pothers.	Potiners.	Stradents	Wothers	Prothers	Brothers	Brothers
Dect le	Per Decile	Staters	Sistem	Sisters	Sistors	Per Decile	Statesa	Staters	Sisters	Statere
-	19	201	41.45	122	J	99	27.8	4	256	9-4
' H	12	202	9-7	243	į	2	25	27	1	ď
H	\$	186	4	804	2.0	2	35	j	Es.	***
II	**	ă	8.0	22	17	73	27.	9	905	j
•	6	150	2.6	368	, so	50	277	7	9	j
F	54	215	9.5	200	7	82	318	3	346	4.5
111	2	219	8.8	17	403	*	32	30.00	8	
TIII	3	\$08	3.4	223	4	22		3	53	5.1
H	22	153	200	173	20	r	90%	9,0	356	4.5
H	2	おい	1 7	254	**	4	263	7	993	1,1
Totale	300	22	8.6	\$1184	*	274	#fa#	3	33	j

brothers and sisters living; the average size featly insluding brothers and sisters not living for the same group was 4, brothers and sisters. Read in the other items in the same way fer both class of 1934 and slass of 1924. Read Table Thas: The average size fundly of the 55 students who ranked in the first deadle was

ion the everage size of the family, 4.1 brothers and sisters, of the familiants for the period of ten years provious.

BURNATY

- 1. The average age of the mothers of the class of 1954 was mearly a year greater than the average age of the mothers of the students of 1934. The average age of the fathers of the 1934 class expected by mearly two years the average age of the fathers of the class of 1924.
- 2. The average amount of schooling of the fathers and methers of the class of 1934 exceeded the average amount of schooling of the parents of the 1984 class.
- 34 The data indicated that the eccupational status of the parents of present day students had not altered materially from the status of the parents of ten years ago. The greater propertion of parents of the students in both classes came from Division II, which includes the eccupation of farming.
- 4. The average size of the family of the 1934 class was smaller than the average sized family for ten years age. By inference, it may be assumed that since the atudents of the 1934 class had a higher ranking on the entrance test, brighter children come from smaller families. However, before such statement may be accepted, the existence of better educational apportunities and advantages must be taken into consideration.

CHAPTER Y

COMPARISON OF AGE AND OTHER PHYSICAL DATA

OF THE TWO GROUPS

Thus far in this study no reference has been made to data pertaining to the individual students themselves. A careful study has been made of the ages of the students of 1984 and of those of 1884 to determine the relationship shown to decide ranking. In Table XIII, the age and the decide ranking of the students of the two classes are listed.

TABLE XIII
THE RELATION OF THE AVERAGE AGE OF STUDENTS TO THEIR BANKING OF THE ENTRANCE EXAMINATION

		Č.		e DA				(1)	GER I	117		
,					921 .	1	T T	(Total			9 4	
Desile		Range Ages	AY.	Mo.Per Decile		AY, Ago			AT.	No.Per Decile		AV.
	(1)	(8)	(3)	(4)	(8)	(6)	(7)	(8)	(1)	(10)	(11)	(12)
I	24	17-68	19.1	51	17-26	19.5	58	17-80	19.9	15	18-28	21.3
II	29				16-25		46	17-29		· 29	18-29	
111	36				17-24		52	17-81		22	17-25	
IV	32	15-31			16-21			16-40		17	16-25	
	39	16-25		1 '	16-20		48	16.40		29	27-84	
73	35	16-40			17-22		1	17-32			17-85	
ATI	57	17-84			16-21		50	37-40		1 7 7		
AIII	37	16-25			17-20		88	17-30 18-40	-	15	17-81	
II.	52 50	15-23 16-25			16-22		59	16-40		16 19	16-25	
		70-20	1400	***************************************	70.44	45 94		TOWER	#V+ 0	7	70	72.00
Av. of Total		<u></u>	18.6			18,9			20.1			20.2

Read Table Thus: The average age of the women ranking in Decile I of the class of 1934 was 19,1 years. The ages ranged from 17-22, Read the other items in the same manner.

Column (2) of Table XIII shows the range in the ages of the wemen seconding to decile rank. The greatest age range occurs among the women ranking in the sixth decile; the ages vary from 16 to 40 years. The smallest

Finge in age appears among the women ranking in Beeile I; the age range the from 17 to 32 years. The average age of those ranking in the first decile, 19.1 years, exceeded the average age of the students in all other deciles by nearly one year. The lowest average age, 18.3 years, ecourred among the women ranking in the tenth decile. The average for the whole group was 18.6 years. These data were in accordance with the knewn fact that less depable pupils in the grade and high school occassionally require a year langer to go through school; in contrast, superior pupils frequently finish school in less than normal time.

Selumn (5) presents the range of the men's ages; it is deserving of note that none of the boys listed were more than twenty-six years of age. The average age of the men ranking in Decile I, 19.5 years, exceeded the average age of the men ranking in Decile I, 19.4 years, by only one tenth of a year. The greatest age range was nine years occurring among the students ranking in Deciles I and II. Of the students grouped in Decile VIII, the age range was only 3 years; of the students of Decile I, the range was 4 years. The lawest average age, that of 18.5 years, eccurred smong the men ranking in the fourth decile. The greatest average age, that of 19.5 years, eccurred smong the men students ranking in Deciles I and III. The average age for the men in all the deciles was 18.8 years—only .5 greater than the average of 18.8 years for the woman.

Column (8) refers to the range of the women's ages of the class of 1924. The age range was much greater in comparison than the age range of the women of the class of 1934. The greatest age range, 16 to 40 or 24 years, scourred among women ranking in four different deciles in the 1924

class, but among the students ranking in only one decide of the 1934 class. Also in the case of the average ages, the least average age of Group II, 18.7 years exceeded the greatest average of Group I which was 19.1 years. The average age for the students ranking in the different decides of from II exceeded the average age of the students of Group I by more than two years. The average age of the momen of the 1934 class, 18.6 years, was searly 2 years less than the average age, 20.1 for the freehann women of 1834. Similarly the man's average age of the 1934 class, 18.9 years, was meanly two years less than the average of 20.2 years for the men of the 1934 group.

Opinim (11) referring to the man's ages reveals the fact that the age range in no implement was so great as that of the age range of the wants of the same deatle.

The average of the man's ages of the students in Group I, exceeded that of the woman's ages by only 45 points; however, it exceeded the average age for the men of the class of 1934 by more than two years.

These data were intensely interesting in that they show that both the men and weren freehmen students enrelled in the 1934 class were materially younger in age than those students enrolled ten years ago, Several factors probably contributed to the apparent youthfulness of the 1934 class. There is a greater tendency, at the present time, for students to enter college immediately after graduating from high school; also, more students enter school at a younger ago, and are promoted more rapidly according to superior ability. The better educational opportunities make it possible for students to progress more quickly along prescribed scadenic routes.

The Comparison of the Physical Defects of the Two Groups

Physiological well-being is one of the fundamental factors contribsting to ability to learn, Sight defeats, hearing impairment, and other serious physical defeats necessarily hinder educational progress. Table XIV them the relation of physical defeats to the decile ranking of students.

THE RELATION OF PHYSICAL DEPROTE TO DECILE RANKING OF FIRSTPIN STUDENTS

		9						į				
ALCO IN				Bet"							120	
26 (6)						*				, £4k		
I	10	7.6	1	9.3		7.7	6	2.8	1	8.	3	7.3
II	•	6.6	Ι΄.	}	.	15.4		11,8		12.	7	17.1
TIL	13	1.0		24.2	7	15.5	20	8.4		4.0	3	7.5
IT	17	12.5			4	7.7	25	10,5	4	8.	1	2.4
4	7	8.3	1	9.3	•	7.7	#3	10.5	14	28.	1	2.4
`TI	20	15.2			4	7.7	70	8,5		10,	5	12.2
AII	17	12.5	. 2	10,8		25,4	20	9.5	8.	4.	6	14.6
TII	11	8.3	1	9.1		3.0	26	11.6	4	8,		14.6
XX	15	11.4	1	3,1	8	11,8	20	15.7		14.	1 8 .	4.0
I	13	9.9		27.3		9,6	22	10.4	8	d.	7	17.1
etal .	IN.	TO,						100.	80	30,	1	
a Miles												,
less.		23.0	L		L	9,4		#8.4	L	6.7	L	5,5

Rend Table Thurs of the students in Decile I, 10 or 7.6 per cont have eye defects; I student or 9.1 per cost have hearing defects, and 6 students or 7.7 per cost have some other physical defect, Interpret the other items in the case mamor.

Of the 152 students in Group I listing might defeats, 10 were in the first decile. The smallest number of students having sys defeats, 7, were in Decile IV. These students who had the greatest number of sys defeats, 20, realed in the sixth decile; 20,8 per cent of the whole slass listed seme sight defect. In Group I, of the 212 students who listed sight defects, only 6 were in the first decile, whereas the greatest number, 29, were in the minth decile. Twenty-eight and six tenths per cent of the students in the class listed night defects. In comparison with Group I, there was nearly 5 per cent more sight impairment in the class of ten years ago than in the class of the 1936 period.

Of the 1934 freshmen, only 11 students, or only 2 per cent of the whole class, listed any hearing impairment. However, in 1924, 52 students, or 6,7 per cent of the whole class, listed hearing defeats.

The comparison of the two classes in regard to actual physical defects shows a greater proponderance of physical impairment among the students of the 1934 class. Fifty-two students, or 9,4 per cent, of the whole class of Group I listed physical defects, whereas, only 41 students, or 5,5 per cent, of Group II listed any physical difficulties.

It is difficult to account for the variation in the degree of physical impairment, such as eye, ear, and other physical defects, of the two groups; perhaps the most plausible explanation lies in the difference in the students of the two groups.

Summery

- 1. The freshmen students of the 1924 class, with an average age of 20, years for both men and women, exceeded the average age of 18, years of the 1934 freshmen by nearly two years.
- 2. The per cent of students in the class of 1924 who listed eye defects exceeded the per cent of the students in the class of 1934 who listed such defects by 4.7 per cent.

- 5. Only 2 per sent of the students in the 1934 class listed hearing impairment, as compared with 6.7 per cent of the students of 1924.
- 4. Of the 1934 freehmen, 9.4 per cent listed physical defects, thereas, of the 1924 entrants only 5.3 per cent of the whole class listed buck defects.
- is the variation in the number and per each of those students who listed physical impairment in the two slasses was probably due to differentiation in the personnel of the two groups.

CHAPTER VI

GOMPARISON OF VARIOUS MOUCATIONAL DATA OF THE TWO GROUPS

Namy educators are of the firm belief that a student's future success and attainment can be predicted on the basis of his part achievement. With this view in mind, a study was sarried on for the purpose of determining what the freehouse entrants of the two classes had previously accomplished.

The first part of the problem involved the study of how long the selloge entrants had been out of high school before entering college. Table IV shows the number and per cent of the students of both classes entering the first year after graduation; those entering the second year, and these who had been out of school for as long as five years. All who had been out of high school longer than five years were classified in the group of missellaneous.

It will be observed from the table that of those students graduating in 1934, the length of time between graduation and sollege entrance had only slight influence upon their decile rank. In the 1934 class, 7,1 per cent of those ranking in the first decile and 7.9 per cent of those in the tenth decile graduated in 1934. The greatest number, or 15 per cent, of students entering college the same year of high school graduation ranked in the fourth decile. In the class of 1934, the only significant difference shown in decile ranking and year of graduation is in the group of those who

TARE IV

THE RELATION OF THE STREET OF TEATS ESTREET HIGH SCHOOL GRADUATION AND COLLEGE ENTERANCE TO THE INSCILE PARTING OF THE STUDENT

	192				6			75.0									Class	8		1024				k
				, ;		ĕ	S										,		Ş			Ą		
		3 261		19 33		124	361	33		R		.,	Ä	L.	1923	, o		.2	194		19	8	Y	*
Dect 168	ģ		¥0.	Z	ğ	•	Š	3	0	Z	đ	Z	ğ	Z	-6 <u>1</u>	X	ğ	×	ĕ	×	X.	×	9	×
H	2	7.3	50	15.2	40	10.1	10	12.0			**	10.1	23	7.6	2	8.8	4	5.1	19	7.1	-2	10.1	149	5.3
Ħ	177	77.00	2	*	13	2	19	7.7	~	11-1	00	7-1	18	5 32.6	97	# S	W	8.3	0	2.7	84	7.7	10	10
111	2	7.1	•	4.8	M	3	7	2.6	M	11,1	1	3.4	3	10.0	2 2	1.0	<u>rd</u>	1.4	T Si	6*91	10	70.7	•	8.5
H	3	16.	2	11.2	10	3	#4	7	*	200	*	5.3		•	92	ئے	THE CE	3.9	10	7.1	~	*	a	9.6
)	H	11.4	7	11.2	•	9.5	10	12.4			-	9		64 64	e S	3.8	5	6.3	60	3	\$	7,5	-	7.6
11	8	10.1	#	8.6	10	8.5	10	8.21	M		*	5.4	<u>**</u>	9,21	<u> </u>	6,4	•	20.2	2	7.7	17)	2	>	7.6
H	젊	13.2	36	12.8	97 3	7	N	7	~	11.1	~	7. e		7.0	22	9.6	<u></u>	7.0	*	₽. Q	10	2	•	9.6
VIII	ផ	11,1	2	6	40	13.5	*	6.1			₩ ₩	7.0	_	10.4	=======================================	8.1	12	œ.	10	7.2	10	20.4	23	4.1
Ħ	8	10,4	13	10.4	w	8.6	PH	6-1	* 4	25.2	CO	Ţ	H	7.9	<u> </u>	8**	•	4.6	ert Or	7:3	P\$	4,1	2	7,7
H	2	7.8	77	9.6	•	11.8	77	70.7	~	11.1	**	7.1	8	7.0	1	7.9	•	6,1	9	8.E	~	7.1	35	6.5
Tetal Ho.	3		971		#3		9		8				(92) (1)			100		95	Į.		-		i i	3
% of whole		•			9 01	9		*	*		ů.		7		* 64		10				1 4		12	12.4 100.
							•		:												•			

Read Table Thes: In the class of 1934, there in Reells I who graduated in 1934 comprised 7.1 per each of the class who graduated that year; of those graduating in 1935, 15.2 per each runbed in the first decile. Read the remaining items in the Same member.

finished high school more than five years previously; the greater propertion of these students tend to rank in the lower deciles. It is significant to note that of the 1934 class, 50 per sent of the freshman entrants on-relied graduated in 1934; 25.1 per sent graduated in 1933; 19.9 per sent, in 1933; 7.2 per cent, in 1931; and 1.7 per cent, in 1930. Only 5.8 per cent of the 1934 freshman had graduated more than five years ago.

In the class of 1924, much the same relationship is shown as in the class of 1934. However, the largest per cent of the 1924 class who graduated in 1924 ranked in the second decile as compared to the fourth decile ranking for the class of 1934. Similarily, of those who graduated in 1923, the largest per cent ranked in the second decile. Of those graduating in 1922, the greatest per cent, 19, ranked in Decile VIII; of those who graduated in 1921, the largest percentage ranked in Decile III. Of the 1920 graduating class, 21,4 per cent of the group ranked in Decile V.

Those students who graduated more than five years prior to 1924 present an interesting fact: by far the most of these students ranked in the three highest deciles; namely, 14 per cent in Decile VIII; 21,7 per cent in Decile IX; and 16,5 per cent in Decile X.

Considering the two classes, it is of interest to note that in 1924 only 54.5 per cent of the class entered callege the same year they graduated from high school, as compared to 51.8 per cent of the class of 1934. The number of students who had been out of school as long as five years before entering cellege was twice as great in 1924 as in 1934.

It is apparent from these data that more students are continuing

to college directly from high school in 1934 than were doing so in the period ten years before. This difference may very probably be due to the fact that in recent years it has been less easy to obtain employment sither as teacher or otherwise when students are graduated from high school. Moreover, it may be that parents and students realize to a fuller extent the importance of more education new rather than writing one or more years while employed in some compations which after little or no apportunity for advancement without further training.

Provious Attendance in College as it is Related to the Decile Ranking of the Student

Many of the students who enter college as freehean have had some previous attendance in an institution of higher learning. A number of these students have attended summer school, one, two, and sematimes even three or four summers. Some students have transferred from other institutions; others have failed in previous empollment and hence are still classified as freshmen. There is also a group of students the have passed courses successfully, but because of outside work have been unable to earry a full schedule; these students after a year's attendance are still freshmen. There are those students who have failed, and even after one, two, and schetimes three years of attendance still de not have the requisite number of accepted hours to be classified other than as freshmen.

Table XVI shows the relation between previous attendance in sollege and the decile ranking of the student.

PREVIOUS ATTEMPANCE IN COLLEGE AS RELATED TO THE DECLE RANKING OF THE STUDENT

		E	40 4	1 113	•			U.A.	9 6			
No, of Years		100		Tears	3	9659		PAP		14.7	5 3	
Deelles	Xo.		16,				Jay					
I	3	6.					15	4.4	4	1241		
11	*	4.				1		1144	Ä	12.1		1
111	6	10.		1 1			36	10.5	8	9.1		
XV	6	M.	1	25.		j	36	10.5	•	15.2		Ì
Y **	5	10.		<u> </u>		ŀ	27	7.5		24.2	1	50,
YX	5	10.		BC.			38	11.1	3	9,1		1
AII	7	14.	1	25,		ł	34	9.9	\$	9.1		l
riii		16.		i j			45	12.5	8	8.1		1
1 1	1	2.				l.	45	25.1	1	5.	1	50.
X	8	16.			1	100,	51	9.				1
Fotal	80	100.	•	100.	Ţ	100.		39,	38	10.	8	DO,
K of Class	9,	1			ì		445		4.	5		•

Read Table Thus: Of these having attended callege one year or part of year previous to enrellment as freehmen in 1956, 6 per cent ranked in the first dealle, and 16 per cent in the tenth dealle. Each the remaining items in the same manner.

From the data presented in Table XVI it was assumed that previous attendance in college, either part of a year or one year, did not bear relationship to the decile ranking of the student. The greater per cont of these who have attended previously ranked in Robiles VII, VIII and X, However, of the 1934 alres, only 9.1 per cent of the students had attended college before; 47 of one per cent had attended 2 years, but only 42 of one per cent had attended 2 years, but only 42 of one per cent had attended 2 years.

In the class of 1924, 544 of the 742 students had attended callege previously as compared to the 50 students from the 1954 class. However, this fact must be taken into consideration: in 1924, no previous entrance

tests had been given; hence it was measury for all who were slassified as freshmen to take them. In the 1934 class, there may be an equal number of freshmen who have been in school before, but if they were enralled in any semester during the regular school year, they were required to take the tests when they first entered college. Hearly half, 45,4 per cent of the students had had some work in college before enralling as freshmen in the fall of 1984; 35, or 4,5 per cent of the group had attended as long as two years.

The greater percentage of previous attendance in college among the students of ten years ago is probably accounted for by enrollment in summer school. The data presented in Table IVI show that there was a larger lapse of time between high school graduation and college enrollment among the students of ten years ago than of the students of the 1934 class. This larger interval of years between graduation and college envelopent makes allowance for summer school or semester previous ettendance in college. However, in previous years, high school graduates could obtain a 1 year state certificate upon attending college one summer terms this may have been a factor partially responsible for this spannedic attendance. After attending one summer they taught one years then they attended another summer and had their certificates renowed and were able to teach another years this practice continued indefinitely. Again, the factor of being able to get jobs with such little education also is of significance here.

Failure in High School or Hiemenbary Work as Related to the Decile Ranking of the Student

A study was made of the per cent of students in the two classes who had failed in either elementary or high school work. The underlying motive of this problem was to determine what relationship existed between previous failure in school work and the ranking of the student on the entrance tests.

Table XVII shows the number and per cent of students of both slasses who failed in high school and classestary school works

Decile I had by for the greatest per cent of failure in high school and elementary school work. The students who ranked in Boolle IX had the smallest persentage of failures in provious school work. The comparison of the records of the students ranking in Deciles I and IX shows that the persentage of school failures among those ranking in Decile I is almost 14 times as great as the persentage of failures for the students of Beelle IX. Twenty seven and six-tenths per cent of those students who failed in the elementary grades ranked in Decile I on the entrance tests. We student ranking in the tenth decile listed failure in grade school work. It is interesting to note that the students who ranked in the higher deciles listed fewer number of grade school failures.

In the class of 1924, the per sent of failures in high school work is more evenly distributed among the students ranking in the different deciles. However, the students having a greater persentage of failures rank in the lawer deciles. The failures in grade school are more closely

TABLE XVII
THE RELATION OF PAILURE IN HIGH SQUOOL AND REMEMBERT
SQUOOL TO THE DEGILE RANKING OF THE STUDENT

		Class (4 DR			Class o	e iii	
	High	ter cel	37.440	Series	1	sheel	Brade	Behee.
Decile	Ige		XO.	3	165		No.	
I	1.5	28.6		27.6	8	9.5	12	20.3
II	7	25.4		27.8	16	28.	6	10.1
III	3	6,6	8	10.4	. 6	7.1		15.5
IŦ	8	8,6	3	10.4	10	11.0	7	11.8
T	6	13,2	3	10.4		10.7	3	5,1
¥1	5	11.		13,8	7	8.5		18,5
ATT		4.4	1	5,5	•	8,5	3	6.1
VIII	\$	6,6	1	3,5	7	8,3	4	6,8
II	1	2,2	1	5.5	5	6.	4	6,4
I	#	646	1	<u>.</u>	9	10,7		4,8
Total	4.5	100,	7.7	100,	64	100		100,
% of Gless		8,2		5.3		1148		3,

Read Table Thus: In the class of 1984, 15 or R8,6% of the students who reiled in high school ranked in Decile I on the embrance tests. Of the students failing in grade school, 8 or 87,6% ranked in Decile I, Interpret the remaining items in the same manner.

related to the decile ranking of the student; three times as many of the students who ranked in Decile I failed in grade work as did those students who ranked in Decile I.

The comparison of the two classes reveals the fact that there was a greater percentage of failures among the students of the class of 1984. The percentage of high school failures of the class of 1984 exceeded by 5,8 per cent the average of the high school failures for the class of 1984. The average per cent of failures in the grade school work of the students of the 1984 class exceeded the average of the class of 1984 by 2,7 per cent.

It is also of interest to note some of the reasons listed by students for their failure. Illness was listed by 85 as the cause of failing in high school. Lack of study was given as the cause of failure by 18 students; If reported that the lessons were too difficult. Bislike for the subject was the reason given by ten students for their failure; outside work and too heavy a class schools were also given as the causes of failure. All of these reasons except, perhaps, lack of study are justifiable; heaver, from the data shown in the Table XVII, it is apparent that the basis reason for failure in school work was lack of intellectual ability, indicated by the ranking of the students on the entrance tests.

Entracurioular Activities

Extraourricular activities have come to play an important part in the field of education. Educational leaders believe that the bright student should do more than merely make good grades: he should take part in other activities which will tend to give him a keener appreciation and better understanding of life situations. To determine to just what extent students did participate in other than academic fields, the fallewing studies have been made.

Table EVIII presents the results of the extraourricular study of the students of the 1934 class.

Part I of Table XVIII refers to athleties, Of the 111 students taking part in feetball, it is of interest to observe that 20, or 18 per cent, ranked in Decile I; only 9, or less than half as many of the students

TAME TOTAL

THE RELATION OF EXTRA CURRICULAR PARTICIPATION TO THE STUDENT'S DECILE
RANKING ON THE ENTRANCE TESTS -- CLASS OF 1936

	***		Ħ		H		L	<u> </u>	-		71		11		TII	7			ì	Thole	Clesi
	Ye S No		•		No.				10		X I	9	8	•	k	•	×	9	×	2	×
							-	N.	7 7	300	107.										
Postball.	20 18		37 (2)	10.1	6 1)	7	111		*6 O	H	8	*	9	*	7.5	\$	8.1	01	8	111	1*02
Bestetlall	24 20	10,52	22.52	0.0	22	<u> </u>	69	<u>ন</u>	107 9	<u> </u>	777	*	0.0	N	11.6	S	7.0	8	9*8	N	40.2
Treek	24 21.6	.6	10.8		30		8	<u>귀</u>	10.	*	8.4	å	;	7	9,0	9	•	•	4.8	200	6,61
Touris		200	-	6.5	7	<u>m</u>	11.	<u>u</u>	T. 69	<u> </u>	15,1	ရ	9.5	Ä	15.1	2	D. 6	13	12.	K	19.4
Pelt	W N	9.5	## ##	9	5 17.		37.	-			8	<i></i> 4	8.8	<u></u>	17.7	10		,-1	6.9	17	5.1
Swinstag	8		4	8.8	<u> </u>	•	9	<u>,</u>	6 17.4	*	11.8	*	11.8			•		n	8.8	*	20
Beech 11	о	7.6	20 01	1 01	8 0	<u>m</u> ,	13	12	13.	12 P	13.5	2	707	•	2.0	40	6.2	•	8,8	90	17.4
- Mag 1 mg			4	\dashv	_			\dashv	- 1	4		_						1	L.	-	7.
Tright .		,	3					Z	11 227	夏	DE IC									İ	
	21 8	13 23	r			9	6	9.5140	ore		E	6	e	122	e	3	7		10	3	86.8
Orehestus	17	<u>~</u>	9 %	8.7 16	3	2 2	6 01 6	<u>짜</u>	8	7	8-8	7	8*6	2	8-0	2	10.0	22	4.3	Z,	55.3
	97	9	-	6.9	30	77 99	07	<u> </u>	7.1	7	9.6	#	0 × 0	*	9.0	11	14.7	8	7.7	116	23.
Cherus	25 10.1		27 10	10.9	21 8.	N.	6	7	-6	2	12.9	2	10,1	80	11.5	2	8.1	2	8.5	24.7	7.1
-Indiv.	13 15,9 11	3		13.4 3	11 15.	*	300	10	4.0	-	8.5	40	8		11.	•	7.0	**	70	2	14.9
							1	H	H	TRUE	TARG	8							e.		
Debate	F	•	_	-	-	F	×	8	114.		12.7	2	1.0	22	21.3	LOI	3	91	8.2	93	10.
Orstory	5 17.7	5	<u>+</u>	6.9					1 54	<u>~</u>	6.9	**	11.0	*	28.58	m	6.0	17	7.7	11	5,1
Deelematery		.	1 6.	•				_	<u>.</u>	**	7	***	ď	•	*	*	ģ	44	0	2	8.40 S.40
Drum tion	8 7	9.6	23.	9-2	10 7.6	# 9	7.0	<u>왔</u>	<u>구</u>	200	10.	14	10-8	8	10.4	83	7.1	8	*	2	46.3
*	_			_	1 16.6	,	355	ej.				ri	16+6	N	53.					₩	בו
School Paper							_			_	11.1	_		-	11-1	*	4.1	**	55.5	•	7.6
Club			7	6.9	1 5.9	O		-	2 11.0	~	5.0	*	8.0	*	13.8	×	17.7		35.4	17	หรื

Read Table Trus: In Part II, Masical Activities, 30 students or 10.6% of these participating in glacult more readed in Dealle II. Read the remaining items in the ease manner. ranking in the tenth decile, took part in football. The percentage of students playing backsthall is more mearly equal for the students of the different decile gramps; however, the greatest per cent of the students who play backstball rank in the sixth decile. In track activities, the greatest per cent of students who took part ranked in Decile I. Of the students playing golf, the greatest per cent ranked in Decile I; no student who ranked in Decile II or IX took part in golf. In swimming, the greatest per cent of students who participated ranked in Decile VI. Of the ninety-six students who listed participation in baseball, IS ranked in Deciles IV. V, and YI respectively. Only one student participated in agricultural judging.

It is apparent from these data that the greater proportion of the students who received athletic honors ranked in lever deciles,

Part II Music

Of the 560 students who sang in glos clubs, the greatest number; namely, 42, or 11,4 per sent of students participating, raised in Decile VI. However, the percentage of students who took part was fairly evenly distributed among the students of the ten groups.

In orchestra, of the 184 etudents who played instruments, Deciles IV and I slaim an equal number of twenty students each; but again the distribution was comparatively equal. In band, 14,7 per cent of thest students playing ranked in the benth decile. The distribution of the students singing in the charac was relatively equal among the ten groups.

TABLE XIX

THE RELATION OF RITH CURRICULAR PARTICIPATION TO THE STUDBIT'S DECILE RANKTING ON THE ENTRANCE TESTS -- CLASS OF 1924

				1	3-4	II		-		-		¥		TIL		TITE	H			×	Male	le Class
	Ho	8	ΣN	×	98	×		×	3	K	*	×	Xo	•	2	N	N.	k	2	×	O M	
	L	-		,		ļ ,		Z		7		110										
Postball	7	8.6 2	12	16.8 18	2	12.8	2	9.0	S	27	9,	12.8 10	2		9	4.8	11	8.8	9	8.4	128	16.9
Mastrothe 11	22	B	9	12.7		11,1	*	13.4	8	12.4	120	6.6	26	9.3	S	6.6	S	0.0	2		314	15.3
Truck	97	6			15	13.9	*	7	9	72.	73	Z,	•	7.4	*	6.6	KO.	4.6	•	*	200	14.8
Teamls	N	9	•	12.8	90	12,6	*	8	•	16.7	•	12.5	-	14.6	1/3	6.3	04	4.2	i,	6.3	2	9,0
gest a	•	7.6	18	22.5	•	10.	•	2	11	5.8	27	16.	•	7.5	*	'n	-	8	#	ė	2	10.8
Midwell hans one									74	207						,		•		_	~	7
C (9-2)					1		1		2.5	7		22]]			
Clas Club	82	8.	3	15.	97	8.8 23	R	13.4	77	9.0	27	11.4	*	SE 12.6 Z5	22	9.8 20	02	4.9	16	5.5	762	7.74
Pebesters	113	4.8	•	14.5	•	14.5	*	6	40	12.7	•	9.0	•	9.50	10	4.0	•	14.5	v	9:0	100	9.0
		ď	**	70,	/	ď	4	Š	17	15.	~	đ	9\$	10,	M	ic.	14	15.	#	Ä	8	7.7
Charte	•	3	23	#	2	9.0	Ħ	7.5	17	11.2	19	15.2	*	11.9	36	10.6	3	10 10 10 10 10 10 10 10 10 10 10 10 10 1	7	O.	161	4.03
Mario-Indiv.	*	4.0	•	6.7	(3)	10,1	-	7	2	11,2	•	10,1	*	7,9	7		10	10 11.2 13		14.6	8	3
							1	1	H			O I	**						ŀ			
Septe	~	73		7 9.5	•	5.4	•	13	7	7		72		777	27	17.6		5.5		9.8	*	0.
Gratery							~	4.5	r	4.5	•	18,2	**	9.1	**	15,6	**	13.6	40	36.3	2	si,
Declarater		,					~	7.7	14)	23,1	**	3.5.4	**	38.5	(11	7:7	~	7.7		_	2	1,8
Dreamtion	2	6.2	23	6.2 33 11.5	2	6.5	2	0.0	*	12,	*	12.3	8	10,3	J	24.	*	34 11.6	8	8.8	202	7.65
14					p=4	123	-				~	30 20 20 20 20 20 20 20 20 20 20 20 20 20		•				-	~	53.	19	*
School Paper			*4	å	~	*	19	77.	70	*	7	ŧ	*	ž			10	20.	4	16.	22	3.4
Club	**	4.5	**	6.8	140	11.4	•	9.1	20	6.8	*	6.8	*	11,4	•	8 18,2	2	11.4	8	13.6	#	o,

Read Table Thus: In Part II, Musical Activities, 20 students or 7.9% of the 254 taking part in Glee Clubs ranked in Deedle I; 35 students or 13.% ranked in Deedle II. Read the remaining items in the same

Individual music honors deserve notice in that, of the 62 students the won much distinction, 15 ranked in the first decile, whereas only 8 students from Decile I received musical honors,

Part III Miccellansons

Of the students who debated, 21.8 per cent ranked in the 9th decile, and 18.2 per cent ranked in Decile X, as acopared with 1.5 per cent of the students ranking in Decile I who took part in debate.

In cratery, again the greater per cent of the students participating full in the higher deciles, 30 per cent ranking in Decile IX.

Hearly one half, 250, of the SSE freehmen students of the 1934 class took part in dramation; of these students, the greatest per cent, 11.5, ranked in the fifth decile, although 11.2 per cent received tenth decile ranking.

The students who took part in such extraourricular activities as art work, school paper editorship, and departmental club work tended to rank in the upper deciles.

Freelman of 1924

The greatest per cent, 16,8, of those students who played feetball ranked in Docile II; Deciles WIII and I centain the smallest per cent of students taking part, 4.8 per cent for each. Similarily in backstball, the largest per cent of students participating ranked in Docile II. Of the other athletic activities, track, tennis, and baseball, the data show

that those ranking in the higher deciles tended to participate less than

Part II Musical Activities

With the exception of the students who sang in Glos Clubs, the greater percentage of those participating in musical activities ranked in the upper deciles.

Part III Miscellaneous

In miscellaneous extracurricular activities, such as debate, dramatics, school paper work, and departmental club work, the students ranking in the higher deciles participated most actively.

Table IX shows the per cent of students of each class who participated in extracurricular activities.

The comparison of the two classes in regard to extracurricular participation indicated trends that are taking place in educational and vocational fields.

The number of students playing football has increased nearly 4 per cent since 1924; however the fact must be considered that there was a greater prependerance of men in the 1934 slass. There are fewer students in 1934 playing backstball, but in the number participating in track there was a gain of more than 5 per cent ever the 1924 group. Nearly three times as many students out of the 1934 class played tennis as did students of 1924; 19.4 per cent as compared with 6.5 per cent of the 1924 class.

COMPARISON OF EXTRASURRICULAR PARTICIPATION OF FRESHMEN OF 1934 WITH THE PARTICIPATION OF THE FRESHMEN OF 1924

A COST OF THE COST		of 1984		OF 192
	Total	10	Total	7 4
Activity	Ho.	Class	No.	Class
Pert I	-			
Football	111	20,1	125	16.9
Basksthall	232	40,2	514	43.3
Treek	110	19.9	1.00	14.6
Tennis	107	19.4	48	5.5
Gelf	17	3.1	l	
Swimming	. 54	5.2	1	
Baseball	96	17.4	100	10.8
Miscellane ous	1	.2	1	.1
Part II	}			
Oles Club	569	66,8	254	34.2
Cirches tra	184	\$5 _# 5	63	8,5
Band	116	21.	20	2.7
Cherus	247	44.7	151	20-4
Individual Homers	#2	14.9	**	12.
Part III] 		,
Debate	55	10.	74	10.
Oratory	17	5.1	22	5.
Declaratory	20	3.6	13	1.8
Dramatios	250	45,3	292	20,4
Art	6	1.1	3	•4
School Paper	•	1.6	25	3.4
Departmental Clubs	17	8.1	44	8,9
Total Students in Glass	552		742	

Read Table Thus: Of the freshmen of 1934, 111 students played football, or 20.1% of the wheld class. Of the 1924 freshmen, 125 students or 16.9% of the whole class played football. Read the remaining items in the same manner.

The most interesting part of Table IX is Section II, dealing with music activities. The per sent of students singing in glee clubs has searly doubled since 1984; 86.8 per cent of the 1934 class as compared with 34.2 per cent of the 1984 group. In orchestra, there is a gain of more than four times the per cent of students playing instruments in the 1934 class. The comparison of the band groups is the most striking: the per cent of students who played in the band in the 1934 class was nearly 8 times as great as the per cent of students participating in 1984, 21. per cent as compared to 2.7 per cent respectively. The increase in the number of students singing in the shores has almost doubled; there is also a gain of 8.9 per cent of the students who received individual music hences.

The same per cent, 10 per cent, of the students in the class perticipated in debate in 1954 as in the class of 1924. In eratory, there is a decrease of 5 per cent in the number of students taking parts there is also a slight decrease in the number of students working on the school paper. However, of the freehoon entrants who had taken part in high school dramatics, the percentage is slightly higher for the 1954 class.

In every extraourricular activity except backsthall, cratery, school paper, and departmental club work, the 1934 class shows an increase ever the class of 1924 in per cent of students participating.

The data from Table IX indicate that more students are participating in extraourricular activities than did so ten years ago; furthermore, the number of extraourricular activities has increased.

The Relation of Honors Received to Decile Rank

The question of conferring honors has pussed school administrators for years. The charge is often brought that students who are most popular, but least meriting receive honors undescreedly. A study has been made of the freshman of the two classes to discover to what extent the honors that students receive in high school are related to decide ranking of the etudent on the extrance teets.

Table XXI shows the results of the research. Only data for the freehance of 1934 class have been used, as the Freehann Information Gards of 1934 contain no specific questions regarding honors the students had received.

It is worthy of notice that the data from Table IXI parallel elseely the decile ranking of the students. Of the students who were valedictorians, none ranked in the first decile; two of the students who were valedictorians ranked in Decile II. Herevor, 17 students or 42,5 per cent of those who received highest scholastic honors ranked in Decile II. Of the whole class, only 7,2 per cent of the students were valedictorians. Of these students who were salutatorians, 24.8 per cent ranked in Becile II. Of the fifty-eight students of the frechmen class who had been elected to membership in the Entiqual Honor Society, 20 students, or 34.4 per cent, ranked in the tenth decile—may than twice the number ranking in any other decile.

The students who won bonors in athleties such as football, backetball, track and tennis; tended to rank in the lever deciles.

PARES TAT

THE RELATION OF RIGH SCHOOL BONCHS RECRIVED TO THE STUDENT'S DECILE PARKING ON THE ENTRANCE TESTS

CLASS OF 1954

	L								ř	Deed Los									;			
	٢		7	H	L	H	Ľ	IA				1		1714		11.1	1				Clear	
Honors Antivity	160	×	y X	8	2		Хo	×	¥0	×	36	×	9	X	No	×	9	×	2	7	No.	M
Valedi otorian			Q.	ů.			***	2,5	1/3	7.5	**	2.5	10	12.5	*	7.5	•	20.	17	42.5	\$	7.2
Salutatorian			*3	9	N	27	**	6.2	M	5-2	*	21.7	M	2,5	1/3	0,5	4	77.77	40	24.8		5.8
Mational Honor Sectety	~	1.7	A	1	10	9.0	**	5,2	N	30.4	φ	10.3	10	8.6	*	12.	6	15,8	8	34.4	3	10.5
President of Class	20	8.6	64	5	_	2.0	81	5.8	•	17.2	**	5.7	80	14.5	•	22.9	4	11.4	N	5.8	13	6.3
Individuel Masto		,		•		9.1	N	38,2	M	9.1	44	16.2			24)	27.5			બ	18.2	7	4
Group Meste Bengra		,	•	Ž		*	*	16,	N	ģ	**		H	\$	63	12.	e-1	4	94	j	ä	4.5
Football	10	;	10	Ä	M	7.6	*	15.2	19	11,4	10	11.4	74	% %	48	7.6			~	8*8	22	4.7
Baskethall	10	4.2	•	77.6	2	¥.	•	11.2	22	18.2	A	16.4	4	5.6	*	8,6	m	1,4	Ю	7.	Ę	12.8
President		21.7	4	17.4	OI.		*	17.4	•	17.4	•	13.		,					m	4.3	7	4.2
Truck		27.0		•	**	11,1	*	11.1	173	16.7	•	5.6	M	5.6	94	11.1			ø	11.	2	5.5
Golf	93	8																			64	*
Tennie		,									m	33,			M	55.			7	354	**	rů.
Club President	4	7-8	*	8.4	•	12.6	•	12.6	-	18.9	27)	8,4	•	10,5	10	10.6	*	4.6	ėų.	4.2	3	P. 4
Honor Student	-	200			P	6.2	*	6.2	n	7.0	#	13,5	*	21.8	44	6.2	•	24.7	*	3	2)	8.0
Cheer Leader			7	N.																	~	ď
Drawa tiles			1/3	24.9	<u>~</u>	8.3	~	8.3			~ 1	N S	m	, m	~1	8.5	H	***	pri	00 10 10	2	N N
Student Council			<u>~</u>	á					_	20.			M	å	*	3					*	o,
Class Officer			04	31,6	N	11.6	~	5.8	17	17.4	•	17.4	44	11,6	*	11.6	**	11.6			H	7
Jodging Reners							7	8								_					~	Nį.
Saboal Paper	-				_	8-3	_	8.3	M	16.6					10	41.5	**	2 2			7	N
Scholarahip Contest			~	1.0			-	7.	*	9.6	4	38.	#1	4.0	•	zi.	*	23.2	*	1448	al ·	4
Debate			\neg				_]				-	17,1	_	22°B	•	29.99	-	11:1]	,	-	2

Read Table Thus: One of the students renting in the sixth decile was the valedistories of his sizes in high school. Forty students or Y.2 per cent of the class of 552 freshmen were valediotorians. Read the reasining itsus in the same namer. The hear of being the president of a departmental sinh, seconding to these data, bears no direct relation to the student's decile ranking. Of the freshmen who were honor students, by far the greater per cont ranked in the upper deciles. Of those students who participated in the scholar-ship contest, none ranked in Decile I, 5 students who teck part ranked in Decile IX, and 5 ranked in Decile X.

The date in Table IXI, Henore Reserved, should not be confused with those data referring to extraourricular activities in Tables XVIII and IIX, Although Table IXI contains some of the same items, this distinction should be made; those data refer bot to those who morely took part in entra-curricular activities, but to those students who received honorary recognition for outstanding work.

Burnery

- 1. In 1924, only 34.2 per cent of the freshmen had graduated from high school that year. In 1934, 51.8 per cent of the students had graduated that year. These data tend to indicate that there is a greater tendency for students to continue directly to college after high school graduation at the present time than in previous years.
- 2. These students who had been enrolled in college for a semister or summer term tended to rank higher on the entrance tests than did those students who were enrolling for the first time.
- 3. The students who had failed in high school or in elementary work tended to rank in lower deciles than did those who had not failed.

there were more fallures among the students of 1924 them among the students of 1934.

- 4. The data from the tables of extraourricular activities show that of the students participating in athletics, the greater per cent, expecially in football and track, ranked in the lever deciles,
- 5. The students who took part in musical sativities, debate, eratory, and dramatics tended to rank in the upper deciles.
- 6. The students who were especially sutstanding in honorary work ranked in the upper deciles.
- 7. The data from this chapter tend to show that the students who take most active part in extraourriular activities also tend to rank higher on the entrance examinations.

CHAPTER VII

DATA RELATED TO VOCATIONAL GUIDANCE

Providus Compational Experience

In previous chapters, studies have been reported of the students' age, academic success, extracurricular participation, and other similar activities. In this chapter, data will be given which are more nearly personal in mature.

Table XXII shows the results of a study made on the kind and amount of cocupational experience students have had. Besides teaching experience, such cocupations and vocations as farming, printing, earpeater work, radio repairing, mechanic work, truck driving, and erchestra directing were listed.

From the data shown in Table IXII, it is evident that those students having had teaching or other occupational experience ranked higher on the entrapes examinations than did those who had had no such experience. One student who ranked in Decile IV had taught one year. Of these who had taught two years, 3 ranked in Decile II, 1 each in Deciles V and VIII, and 5 in Decile X.

In experience other than teaching, 7 of the entrants who had worked for a year ranked in Decile I; 2 ranked in Decile II; 6, in Decile III; 7 each, in Deciles IV and V; 6, in Decile VI; and 1, in Decile X. The students who had had more than five years' experience ranked in the following deciles: II, III, VI, VII, and IX.

TABLE XXXX

TO DESTITE BARRING OF THE THE SHALL SHE AND THE GLASS OF USA. THE RELATION OF COUNTY ONLY EXPERIENCE

A Company		3			100	H									Aches	â		3			
<u> </u>	1 Year	2 X	E	2 2	E	2	E	9	-	1.50			*	e.eee	1	2	2 2	9 22	Year		188
Dectio	× 3		X		×	ė	×	TO.	*			Ĭ	100	X 1			•			N.	0.0
H										<u> </u>	-	9	**	3			~		2 28.6	•	
Ħ		n	*				_				~	4	49	12.7	#***	**				_	စ္တ
III								M	ų,			6	46	18.4	*	N,	8	<u> </u>		_	្ត
11	6		· .					-		1 80,	<u></u>	4	10			-					
*		<u>~</u>	*	ri m	<u>.</u>			~	25.		(-	2	64						<u> </u>	1/3	_
=				**	r.i					1 20.	•	*	0ŧ		帷	22.	<u> </u>		7	18 2	8
日				,		~	đ			,	*	ð	**	7.7			8			#	ģ
1111	٠,	<u> </u>	.	<u>61</u>	<u></u>					9 9	2	14.9	_				_				
Ħ	2	,		-	ثر			<u>19</u>	ď		2		_	7.7	M	-		- :	77.1	2	0
H	₫ **	10	36.	10		<u> </u>	ď		مُر	d r	**	1	-	4.2	44	9	R		28.	•	
Total	200	-		<u>a</u>		CA		•		9	424		7		8		18		(A)		
% of Class	5		H	7.6		*		•		g.			K				7	Н	2		6

experience in some other line of work for I year, one stadent has had 2 years experience; one student, four, and 2 have had filve year's experience. Read the remaining items in the same manner. Miscellaneous refers to nowe than five year's experience in teaching or other fields. Head Table Thes: Of the students renking in Decile Is ness have had teaching experiences? There had

Of the whole class, only 5, or .9 per sent of the freshmen had taught as long as one year; 8 students, or 1,5 per cent, had taught two years; 9, or 1.6 per cent, three years; 4 students had taught as long as five years; and 5 had taught more than five years.

The students who had taught or had worked in some other field for one, two, or three years ranked higher in the entrance tests than did those students who had some directly to college from high school. This fact seems to imply that maturity, and the ability to participate in outside activities or possibly experience gained while working tend to influence a student's ranking on entrance tests. Of the SSS freshmen entrants, 67 had worked at some other occupation for one year; 15 had spent two years working, and 5, or .9 per cent, of the whole class had worked for more than five years.

A Comparison of the Degree of Self-Maintainence of the Students of the Class of 1984 and Those of the Class of 1984

A study was made to discover what per cent of the students were maintained in school by parents or others; what per cent planned to carn their way through work, and what per cent intended to maintain themselves through savings. Table XXIII presents the data for the class of 1954. The fact should be taken into consideration that these data were furnished at the opening of the school year. In the majority of instances, a certain per cent of support was anticipated either from parents or work; there has been no attempt in this study to determine to what extent the amount anticipated has been realized.

TAME TAXE

THE RELATION OF SRIP MAINTAINEMEN TO RANKING ON THE REPLYMENCE MANUFACTIONS - PARSIDER OF 1954

		۲	E	THE STATE OF	8	E	_				7	T T	زا							H) :		
	F	90	7		-			9	F	8		•	~	0		8	Ĭ		8		ě		2.5	
Deciles		*	9	7	Q	×	0	×	0	*	9	Ý	2	8	9	×	Š	13	9	13	•	×	0	×
H	9	2.0	**	6.7	•	1.6	*	3	*	17.4			-	9701	-	11.4	*	1.0		8,7	2	F. G	10	9
Ħ	7	12.5	*	7.5	2	13.	•	2.5	M	3	7	7.1	Ħ	13.9	*	7.6	~ 4	9	#	2,0	*	9	-	8.6
H	*	8.7	*	9.0	~	7	*	3					Ç,	7.7	*	5.1	14	13.4	173	7	•	5.6	*	4.2
E	24	17.8	•	15.8	2	16.7	*	3	*	22.07	H	\$ 21.A	ដ	2.2	 	9	*	8	Д	3	2	2,6	*	7
>	7	12.5	10	6.7	-	7	9	12.5	149	1.3.			9 20	7.6	•	10,1	n	13.6	0+	*2	二二二	37	*	7.7
1	2	7	***	17.6	H	15, 5		ģ	68	2.4	e	24.5	•	7	•	7.6	17	15.6	et	S N	<u>~</u>	8	23	16.9
111	#	14.7	*	177		11.1	7	13.8	m	7.7	4	7.7	#	14.1	•	7.6			14	**	13.	2,6	 -	9.0
WIII	3	10.1	•	15.3	40	5.5	•	11.5	64	1.0	19	21.4	S	7.2	*	200	~	7,	<u></u>	6.9	•	9,0	=	15.8
Ħ	7	12.8	10	7.3	#	9,0	•	11.5	44	4.0	~	7	7	6.21	7	17.7	44	7	7	3	7	7.1	*	9
H	•	4.1	10	11.2	•	8.3	=	15.6	**		**	27.4	•	7.6	1	15.0	*	2.6	16	7.	22	7.4	*	12.7
Total			3		2		8		2		7		28				22			2	80			
% of Class		N.	F		2	П		2			H		71.	. ,		1	3		7		16.1	3.55		

Read Table Thus: Of the students who renk in Dealle I, 6 were entirely supported by parefflu. Savings maintain 4 students, and 2 freehmen will make all their own way through work, Read the remaining items in

(4)

Of the students who ranked in the direct decile, 5 were supported entirely by their parents; 6, or 4.7 per sent, of those in the tenth decile were supported entirely by parents or others. Of the students in Decile IV, 23 were entirely supported by parents.

Of those maintained by savings, the greatest number, 5, ranked in Besile IV: 14 freshmen in Decile IX expected to pay 25 per cent of their expenses with savings.

Four students who ranked in Decile IV supported themselves entirely through work. Pifteen and five-tenths per cent of the freshmen who ranked in Decile IX listed that they would support themselves 25 per cent through work. Of the freshmen who ranked in Decile X, 21.7 per cent hoped to support themselves 75 per cent through work.

considering the whole class, 128 of the 552 students, or 23,2 per cent of the whole class, were supported 100 per cent by their parents. Only 4 per cent supported themselves entirely by working, although 16.7 per cent made 50 per cent of their can may through work. Twenty-three students, or 4.2 per cent, supported themselves entirely through savings; and 15.4 per cent paid 50 per cent of their way by savings.

The data in Table XXIV show somelusively that a large per sent of the students in the 1984 class were supported 100 per sent by their parents. Thirty-six and one tenth per sent, more than sme-third of the whole class, were maintained entirely by parents or others. Only 8.8 per cent were supported 78 per sent by parents; 2.7 per sent settle their can way entirely by work; and 10.1 per sent made 50 per cent of their can way.

TABLE EXITY

THE RELATION OF SELF MADVILLERICE TO RANKING ON THE ENTRANCE MATERIAL OF THE

		9-4	Pare	mte	4	113			-		-	ä	ļ	,			l				Ě	•		
		8				_	N		Ħ	9	F		8				9		٤		8		7	_ ;
Desiles	•	K	e j	W		N		Z	9	A	2	V	•	W	٥		•	V	0	Q	9	X	9	H
H	2.2	9.0	Í	9	99	3	•	8.0	10	4.2	**	0	*	PT 0	4	***			10	**	<u> </u>	ei ei		7.8
Ħ	8	11,2	F	200	n	9.4	2	15.2	•	6.7	-	ó	0	7	P 3	9	N.	ď	w	20.00	-	17	7	2.7
H	*		•	15.8	<u> </u>	2.2	•	, .	ជ	4	143	6.7	•	*	10	9.0			10	2.5	-	*	<u>~</u> 임	6.0
ä	2	11.8	*	2.0	-	11.8	.#	6	•	7,	M	N 10	•	6.4	<u></u>	7.8	<u>**</u>		<i>8</i>	3	•	å	-	ij
· •	2	10.6	•	12.5	-	1.0		7	197	1,50.5	4	3.5	**	8.2	<u>~</u>	100	A N	ď	•	10	•		<u>~</u>	0.0
F	13	53 12,5	*	10.8	>	11.5	2	12.	•	3	64	4	•	9.00	<u>m</u>	9 0		<u>.</u>	11 11	*	*	R*G	7	6.0
TH	Z	å			•	7	7	7.91	18	**	PE.	**	3	4.9	K	8.8	rd	3	ud	8.0	2		N	90
TILL	*	707	2	15.4	•	14.4	•	4,5	15	4	Ŕ		•	0.4	1/3	7	10	<u>.</u>	6	**	<u>e</u>	**	77	10
Ħ	8	1.0	•	13.8	40	9.0	10	9	<u> </u>	13.6	7	ģ	4	9-9	<u>ed</u>	7,7			<u>~</u>	15 15	10	F. 7	<u> </u>	5.6
H	2	4.4	•	64	849	3	} ~	8	18	2	0 1	2.5	17	3	19	2	2 7	ď	60	5. 5	*	7.0	•	8,2
Total	23		8				R												03		15		01	
X of Class	¥		3		8		d		16.		٤				2		3	Н	3		0			

Read Table flux: In Dealle I. 23 students were supported 100 per cent by parents; 3, 75 per cent; 3, 60 per cent, and 7, 26 per cent. Henc of the students ranking in Dealle I supported themselves entirely through vort. Read the remaining items in the case manner.

In comparing the two classes, it should be observed that the number of students who were entirely supported ten years ago was more than 10 per cent greater than the number of the 1934 class so supported. More than 18 per cent of the freshmen of 1934 group supported themselves half or more than half through work, as compared to 10,1 per cent of the class of 1924. In 1924, 18, per cent of the students maintained themselves entirely through mavings, as compared to only 4,2 per cent of the 1924 class.

Table XXIII and Table XXIV show that the number of students who were working their way through school was greater for the 1934 group than for the 1924 class. These data show little relationship existing between self-maintainense and decide ranking on the entrance examinations.

A Comparison of the two Classes in Regard to the Length of Time Students Planned to Remain in College

In sommestion with this same problem, another study has been worked out determining how long students intended to wamnin in college.

Of the students who planned to remain four years, 15.5 per cent ranked in Decile X. Only 8 students from the 552 freehmen planned to remain three years. Thirteen and twe-tenths per cent of these who planned to get Life Certificates ranked in Decile X. Of the students who intended to remain only one year, the greatest number, 16.4 per cent, ranked in Decile V. Of the students who were undecided how long they would remain, only 2.7 per cent ranked in Decile X.

TABLE XXV

THE RELATION OF DECIME RANKING TO THE LEMBER OF TIME THE STUDENT FLANKED TO REMAIN IN COLLEGES

Peelles Marger of Years Studentts Flan to Memal Marger of Years of Years Year Under Year Year Year Under Year	2 Sears 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		* * * * * * * * * * * * * * * * * * *	2 to 120.		lan to 2	Under Land
2 Teagre 3 Teagre 2 Teagre 1 Teagre 10 Teagre	2 Parie 1 7 Parie 2 8 Parie 11 12 12 Parie 11 Pa	S S S S S S		3 Years 1 10.		I Sear	Under Line
25 9.6 2 25. 4 4.6 10 10.9 10.4 11 12.5 25. 4 4.6 10 10.9 10.4 11 12.5 25. 4 4.6 10 10.9 10.9 10.9 10.9 10.9 10.9 10.9 1	2 9.2 9 11 12.7 5 4 4.6 10	, and t		1 10.			
23 9.6 1 12.6 9 10.4 11 13. 21 8.7 1 13.6 9 10.4 11 13. 26 10.8 2 25. 4 4.6 10 10.9 11 13. 26 10.4 2 25. 4 4.6 10 10.9 11 13.4 15.4 15.4 15.4 15.4 15.4 15.4 15.4 15	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- 1 Km		1 70		No. X	¥ *0 g
23 2.6 1 12.5 9 10.4 11 12. 21 2.7 1 12.5 9 10.4 11 12. 26 10.8 2 25. 4 4.6 10 10.9 17 7.1 2 25. 12 15.8 12 15.4 20 1 15.8 12 15.4	4.00 4.52 4.54 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	~ <u>H</u> ~		30,		14 6.1	8.8
21 8.7 26 10.8 2 25. 4 4.6 10 10.9 17 7.1 8 9.2 15 15.4 10 4.0 1 12.5 6 18 15.8 12 15.1	484	7		4		18 7.9	11 19.5
26 10-8 2 25. 4 4.6 10 10.9 17 7.1 2 25. 18 15.8 18 16.4 10 4.0 1 12.5 18 15.8 18 15.1	22	*		_		9.6	
17 7.1 8 9.8 15 16.4 1 10.4 10.4	22		_	_		22 9.4	5 8.8
26 10-4 2 25. 18 15.8 18 15.1 1		ŭ		2		23 10.	6 10°5
4 0 0 X X X X X X X X X X X X X X X X X	3	9		2		2 15.5	6 10.5
	•	•	10 12,3		26 30,7	80 8.7	6 10.5
# 15.3 # # 8.1 W	•	*				89 12.6	6 10.5
26 19.8 1 12.5 8 9.2 8	•••	•	13 11,6	2	_	37 16.1	
X 12,6 12 15,8 5,5 . 2	12.6 12 15.8 . 5	. 2	18.2	5 50.	. 32	. 13 . 5.7	
Total 8 8 8 75	26	4.6	14.0	2	24.5	672	18
X of Glass 45.7 1.6 15.8 16.7 15.	.6 15.8 16.7	15.6	260.	1.1	M. S	8078	194

Read Table Trass In the Class of 1934, 23 students reming is Dealle I plan to remain in Scillege 4 years, none plus to remain 5 years 8 intend to stay 2 years, and 5 plan to remain just one year. Head remaining itoms in the same manner.

In the class of 1924, 8 in Besile I, or 5.4 per cent, planned to remain four years, as compared with 18, or 12.2 per cent, of those who ranked in Decile I. Thirty-five of the 245 freshmen who planned to get life Certificates granked in Decile V_4 . The greatest number of students, 37, or 16.1 per cent, of those who intended to stay only one year ranked in Decile II.

The comparison of the two classes reveals some interesting facts, here than 45 per cent of the 1934 class planned to remain four years, as compared to 20, per cent of the class of 1924. However, the per cent of students working for a life Certificate was more than twice as great in the 1924 class as in the 1934 class. Sixteen and seven-tenths per cent of the 1934 class planned to remain only one year as compared to 30,9 per cent ten years ago. Here than 15 per cent of the 1934 class were undecided as to how long they could remain in college, whereas only a little more than 7 per cent of the students in the class of 1924 were undecided.

The data from this table indicate that the greater number of the freehoon of 1934 planned to remain four years in college; whereas ten years ago the greater percentage planned to remain only two years.

A Study of Vocational Choice

As specialization has become increasingly more necessary, it has become essential that students begin work in their chosen field in college, A study was made of those in the freshmen class of 1954 to determine whether they had decided on their vecation, or whether they were yet uncertain.

TABLE XIVI

RELATION OF VOCATIONAL DECIBION TO DECILE

RATEXISE-CLASS OF 1984

		108		io i	175.5	relded
Decile	lo.	7.	10.		Jo.	X
Z	19	7.5	20	9.2	7	17.7
XX	1.6	6.3	22	10.1	33	26.8
III	87	10.7	18	8.5	-	14.6
IT	24	9.5	25	11.5	#	4.9
₩	24	10.1	21	9.4	5	12.2
TI.	35	13.	27	12.4	4	9.8
VII	26	9,9	39	8.7	ł	
AIII	25	9.5	25	11.5	2	4.9
IX	2.8	11.1	20	9,2		7.5
X	30	11,9	21	9.6	1	2,4
Total	111				41	
₹ Glass	48,	8		,	7.	6

Read Table Thus: Mineteen students ranking in Decile I had made a decision about a vocation; 20 had not decided, and 7 were not sure or uncertain. Read the data for the remaining items in the same manner.

Only 19 students, or 7.5 per cent, of these who ranked in Decile I had definitely decided upon a vocation; whereas 30, or 11.9 per cent of those who ranked in Decile X had made a decision. Of the students who had not yet decided, the number was about equally distributed among the ten groups. Attention should be called to the fact that, of those who were as yet uncertain, only 2.4 per cent ranked in Decile X, as compared to 26.8 per cent in Decile II. A large per cent of those who were uncertain about a vocation ranked in the lower deciles.

Sumary

- I. The data indicate that these students who have had outside experience, either teaching or in some other vecation, for as long as one year, tend to rank higher on the entrance examinations than do those who have not had such experience.
- 2. The freshmen of the class of 1934 were more nearly solfsupporting than were the students of ten years age. Only a small per cent of the 1934 class was entirely supported by parents or others.
- 5. Research revealed that the majority of the freshmen of 1936 planned to remain in college until graduation, whereas ten years ago the greater percentage planned to remain only two years.
- 4. The students who were undecided about a vecation were found to rank in the lever decides. More than 46 per cent of the 1954 class had made a decision sensorning life work,

CHAPTER VIII

CONCLUSIONS

This study was carried on for the purpose of determining the degree of relationship existing between the two groups in relation to academic and paragonal data. There has been no intention in this problem to evalve suggested remedies or to determine the cause of differences. The data presented are the results obtained through various research problems. This study has been worked out on the basis of the student's decile ranking; each group of data has been considered in its relation to the student's decile rank.

In equalisize, some of the broader implications of the findings of this investigation should be pointed out. The results of the study indicate certain significant differences in the two classes; these variations show trends in educational and social practice over a period of ten years.

Results of the Study

Personal Data

- On the intelligence tests, the freshmen of 1934 were found to rank materially higher than the freshmen of 1924.
- 2. The freehmen entrants of 1934 were younger than the freehmen entrants of 1924. The average age difference of the two grasps was nearly two years.
- 5. The parents of the freshmen students of the 1934 class were elder than the parents of the freshmen students of ten years ago.

- 4. The average school attendance of parents of the 1934 freshmen was higher than for the parents of the 1924 group.
- 5. The average size of the family of the students of 1934 was smaller than the average size of the family of the students of 1924.
- 6. There was no elear-out difference indicated in the social status of the occupations of the parents for the two groups.
- 7. The per cent of men in the 1934 class exceeded the per cent of men in the 1924 group by 9.6 per cent.

Edwartianal Data

- 1. The majority of the students of the 1934 class enrelled in college the same year that they graduated from high school. On the other hand, a number of the freezen of 1984 had graduated from one to five years previously.
- 8. The per cent of failures in both high school and grade school werk was greater among the freshmen of 1924 than among the freelmen of 1934.
- 3. The students who took part in extracurricular activities tended to rank in the upper deciles. A greater proportion of the students of the 1934 class than of the 1934 group participated in extraourricular activities.
- to The greater per cont of the freshmen of the 1934 class planned to remain in college for four years; whereas the majority of the students of 1924 intended to remain in school only two years.

Togational Data

- Freshmen of the 1934 eless were more nearly self-supporting than were the freshmen of ten years age.
- Freshmen who had had previous occupational experience, in teaching, or in some other line of work tended to rank higher on the entrance teats.
- 5. A greater per cent of the students of the 1924 Slass than of the 1934 group had decided upon a vocation. Students who had made no decision about a vocation tended to rank in the lever deciles.

The difference in the performance on intelligence tests was the most significant dissimilarity of the two groups. These results indicated that students in the present educational system tend to have broader educational epportunities and experiences than did the students in previous years. The apparent difference of the students in intellectual ability may be due to the increase in the average amount of school attendance of the parents, to the increased reading facilities, or to differences in educational instruction.

The data shown in the study represent what actually exists; before definite suggestions may be made in regard to changes in educational practice further study must be made. The value of this problem lies in the objective material tabulated which may be utilized in further investigation.

MINIOTRAPHY

Brannon, Christine, "The Revision of the Army Alpha Intelligence Test."
Ungublished Master's thesis, Kansas State Teachers Callege of Emporia,
Kansas, 1935. 75 pp.

A study of the differences in the difficulty of the forms of the Army Alpha Intelligence Test culminating in a revised form.

Glem, Orlie H., and Chester V. Harvey, "Comparative achievement of village school pupils and rural school pupils." The Riementary School Journal, XXXIV (December, 1985), 241-520.

A comparison of the mean marks of the village group with those of the rural school group. The results show that the standard deviations are larger for the Village school than for the rural schools.

Counts, Goorge S., "The social status of compations: a problem in vocational guidance." School Review, (January, 1925), 16-28,

A list of forty-five occupations ranked seconding to social status by 450 selected people.

Serberich, J. R., and W. D. Geddard, "A personnel survey of 10,000 Icon high school seniors." School and Society, XXI (October, 1929), 515-520.

The use of a mental - educational test battery as a foundation for educational and vocational guidance.

Johnson, J. B., "Predicting success or failure in cellege at the time of entrance." School and Society, XXX (December, 1929), 772-776.

A study of high school seniors and freshmen entrants. Predicting success or failure in college on the basis of intelligence rating on entrance tests.

Nelson, M. J., "Some data from freshmen tests." School and Society, XIII (June, 1850), 772-774.

A study of the correlation between entrance test scores and grades carned in first term English. The only indication of predictive value was obtained through a study of the students who failed in some of their work.

Proctor, William Martin, "Intelligence tests as a means of admitting special students to colleges and wnivercities." School and Society, XVI (October, 1922), 471-477.

A study to determine the advisability of admitting special students to colleges and universities although they do not have the requisite academic requirements.

Studies in Education, Rumber III, Kansas State Teachers College, Emporia, Ransas, 1931, 103 pp.

A follow-up study of the freshmen who entered the Kansas State Teachers College of Emporia, during the years 1924 to 1929.

Sectt, Walter Dill, "Intelligence tests for prospective freshmen." School and Society, IV (August, 1922), 384-388.

The use of intelligence tests for placement rather than elimination. Mental alertness tests were considered as standard equipment for personnel work.

Inpublished data, Bureau of Educational Measurements, Kansas State Teachers College of Emporia, Kansas, 1924.

Correlations worked out between entrance test secres and socres of the other tests of the battery administered to the frashmen of 1924.

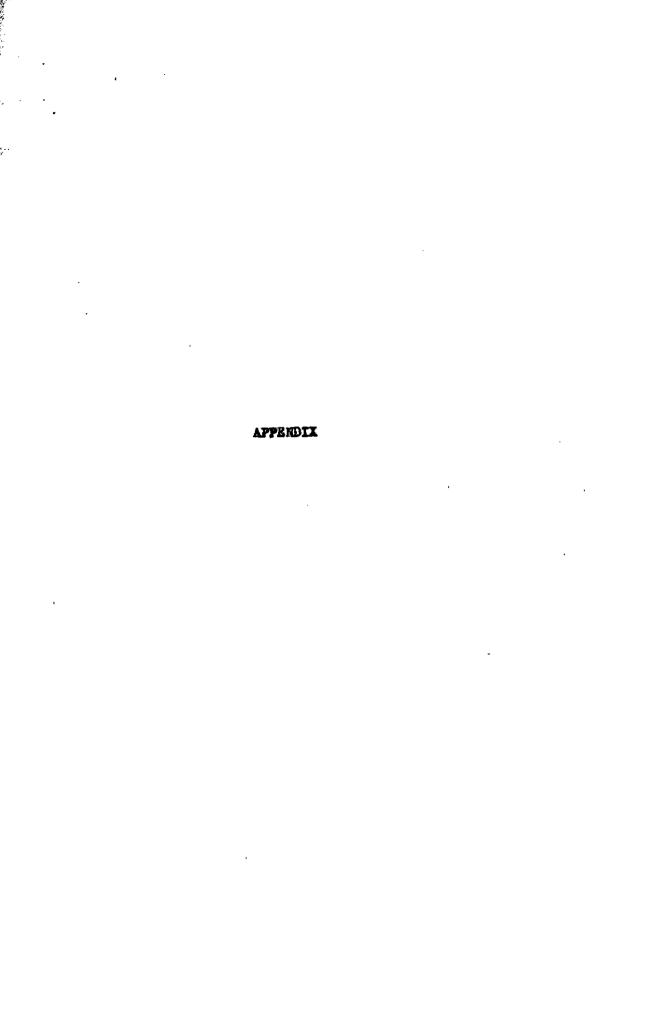
Fillians, Eula S., "A personality rating form for elementary school pupils."

The Elementary School Journal, XXXIV (September, 1935), 1-80.

The study of the use of a rating form to determine students' ranking in various school situations. Intellectual traits were found to influence personality ranking.

Relever, Randal A., A study of the Correlation Between Intelligence, English Composition, and Vocabulary. Unpublished study, Bureau of Educational Heasurements, Kansas State Teachers College of Emporia, Kansas, 1935. 12 pp.

A study of the correlation of entrance test socres with the secres in English composition and vocabulary--freshmen of 1934.



Sample copies of the Freshmen Information Card referred to en

Card I. Preshmen Information Card-1954

Qurd II. Freelmen Information Card--1924

K. S. T. C. STUDENT'S RECORD CARD Card I -- Class of 1934

	64	199							TO	100			100	1 -	н	_	H	H +	- 1	-	4.		-	1	-		1 1	85	
Whore	discrit.A	XTRA CU	Others.	English	membership		When.	Where.	SCHOLASTIC:	PHYSICAL: List other		schooling.	FAMILY DATA:	Decile I	Decile II	Decile III	Decile IV	Decile V	Decile VI	Decile VII.	Decile VIII.	Decile IX	bails V	Weighted Score.	Test Score		Decile		
totte etter	NEOUS:	RRICUL			ship Nat							B												ore			Н	Z	
,	CELLANEOUS: Number years	AR: Underli		History	ional Honor				re did you la	SICAL: What sight defects			Father living													Total Score	Home Address	Name	
3) through w	orstory, deciamatory, dramatics. List others	ne those you		Civics	Society, team	(c) Grade work	Have you failed	When	Where did you last attend grade school			Nu	Age													Entrance Test	SS.	(Last)	
mk	sperience	ticipated (2)		Mathematics	National Honor Society, team captain of (a) football, (b) basket ball, (c) baseball, (d) track.		u failed in any	en.	de school			Number brothers living	Amount of schooling													English Composition		(First)	
What in	Experi	l in in high school: (1) athletics: football, Music: glee club, orchestra, band, chorus.		natics	football, (b)	Why	in any (a) college subject	How long.					schooling													Vocabulary		(Middle)	
fo what ext	mee other t	d: (1) athle		Science	basket ball,		bject			Wear glasses	Number	Number not living	***************************************													Reading	Colle		
ent (%) wi	Experience other than teaching:	etics: footb		Music	(e) baseba		Why	Name		glasses	Number sisters living.	t living														Mathe- matics	College Classification	Sex	
	g: What_	all, basket ball, b	Total units	ie you	II, (d) track			high schoo	When	What l		Give spe	Осет													Spelling	cation	Age	
tenance		ball, baseball		Commercial subjects	List others.	Und		l from which	When graduated	What hearing defects	Number not living.	cific amount	Occupation													Literature		ge.	
while in college be provided (1) by parents or others. For what		, track, tenn		s	of the follow	Underline honors you received in high school.		Name high school from which you graduated		ts.	living	Give specific amount of schooling each has had to date:															Date of Birth	Married	Date
be provide	When	is, golf, hoc		Manı Manı	ing author	s you receiv	(b) High	ted			Give spe	each has h													4				
d (1) by par		key, swimm		Manual Training.	a. Tatin	red in high	(b) High school subject.		Tave you at		cific amoun	ad to date:	Mother living														(Month)	Race	
rents or oth	How long	1 5		MIC	M		ect		tended coll		t of schooli					-											(Day) (1		
or others	ong	List others		Home Economics.	Tonas	ledictorian,	_ Why		Have you attended college elsewhere		ng each has		Age														(Year)		
(2) by your		ous: Debate,		mics		Valedictorian, salutatorian,			re		Give specific amount of schooling each has had to date:		Amount of																

SCHOLARSHIP RECORD

				_	_		_				_	_		_	1	-		
SUBJECTS	A	В	C	D	F	Inc.	Wd.	Totals	Cat. No.	SUBJECTS	A	В	C	D	F	Inc.	Wd.	Tota
								-1		T	-276			A		-		
A																		
							11000											
		-	ı															
							- O.				******							
																	31	
																		110
							ľ	***************************************										100

								1	, and the same						777.79		10000	
													-		-			
									-							-		- 0-
									-							-		
																		-

								-										
								-										
											-	-			-		-	
									Totals,	ENIOR YEAR								
									S									
A B C D F In	B C D F In	C D F In	D F In	F In	In	ic.	Wd.	Totals				В	С	D	F	Inc.	Wd.	Total
A B C D F	B C D F	C D F	D F	F		Inc.	Wd.	Totals	S Cat.	ENIOR YEAR		В	С	D	F	Inc.	Wd.	Total
A B C I	ВСІ	CI	1	>	F	Ine.	Wd.	Totals	Cat.	ENIOR YEAR	A	В	c	D	F	Inc.	Wd.	Tol
A B	В		C	D	F	Inc.	Wd.	Totals	S Cat.	ENIOR YEAR	A	В	С	D	F	Inc.	Wd.	Te
A		В	С	D	F	Inc.	Wd.	Totals	Cat.	ENIOR YEAR	A	В	С	D	F	Inc.	Wd.	To
A		В	C	D	F	Inc.	Wd.	Totals	Cat.	ENIOR YEAR	A	В	С	D	F	Inc.	Wd.	T
	A	В	С	D	F	Inc.	Wd.	Totals	Cat.	ENIOR YEAR	A	В	C	D	F		Wd.	T
	A	В	С	D	F	Inc.	Wd.	Totals	Cat.	ENIOR YEAR	A	В	С	D	F	Inc.	Wd.	Т
	A	В	С	D	F	Inc.	Wd.	Totals	Cat.	ENIOR YEAR	A	В	C	D	F		Wd.	T
	A	В	C	D	F	Inc.	Wd.	Totals	Cat.	ENIOR YEAR	A	В	C	D	F		Wd.	T
	A	В	C	D	F	Inc.	Wd.	Totals	Cat.	ENIOR YEAR	A	В	C	D	F		Wd.	T
	A	В	С	D	F	Inc.	Wd.	Totals	Cat.	ENIOR YEAR	A	В	C	D	F		Wd.	To
	A	В	С	D	F	Inc.	Wd.	Totals	Cat.	ENIOR YEAR	A	В	C	D	F		Wd.	To
	A	В	С	D	F	Inc.	Wd.	Totals	Cat.	ENIOR YEAR	A	В	C	D	F		Wd.	To
	A	В	C	D	F	Inc.	Wd.	Totals	Cat.	ENIOR YEAR	A	В	c	D	F		Wd.	Te
	A	В	C	D	F	Inc.	Wd.	Totals	Cat.	ENIOR YEAR	A	В	C	D	F		Wd.	Te
A		В	С	D	F	Ine.	Wd.	Totals	Cat.	ENIOR YEAR	A	В	C	D	F		Wd.	T
	A	В	C	D	F	Inc.	Wd.	Totals	Cat.	ENIOR YEAR	A	В	C	D	F		Wd.	To

e de la composição						Sex	Sev		had	Married	Δσο		1	70		Data of hirth					
Last		1st	+		2nd						C		Card II (II :	2	of 1924	924				
[∞] Home address	SS		:		:	Your	experi	ence te	aching	Your experience teaching: years	: :		:				•	When			15.5
Number of semester hours you are carrying at this time	emeste	r hours	you ar	e carry	ing at	this tir			Experi	ence o	Experience other than teaching: years	an teac	hing:	years .	:	where .		when	n		
STANDARD SCORES	Army Alpha	Com- pletion	Arith Artificial Reasoning Language	PS Artificial Language	PSYCHOLOGICAL EXAMINATION al Proverbs Reading Opposites Gr	Reading 0	AMINATION Opposites Grammar	ammar	Reasoning	Total	Reading Kansas Silent Reading	Reading Thorndike McCall	Vocab- ulary	English Literature	English Compos-	American History	Civics	General C Science	Geography Spelling	Spelling	
Above																					
Freshman Col.	129											72	105								
Senior H. S.	120							1			30	68	87	65		63					
Junior H. S.	117										27	65	78	55		57			66		
Sophomore H.S.	111			,							26	64	63	45		52			60		
Freshman H. S.	97										23	62	45	35		46			54		
8th grade	88	ly									19	61	30			41			48		
7th grade	70	*									16	58				27			44		
Below																				•	
1st score																					40 8
Decile																					Part I
2nd score																					

Is he living Age
Name of mother
Physical record: Eyes
Accidents:
Scholastic record of brothers and sisters:
1. Specific amount of schooling each brother has had to date:
2. Specific amount of schooling each sister has received to date:
Your scholastic record:
College work: where when High School: where when Grade: where when
College work repeated why H. S. work repeated why Grade why
Specify the number of High School credits you have in each of the following subpects: Latin, Modern Language, English, History, Civics
Mathematics, Science, Music, Commercial subjects, Manual Training, Home Economics, Others,
Total Units
Specify the extra curricular activities you participated in during High School:
Athletics
Dramatics
Music
Debating
To what extent (%) were you supported by your parents or others while in High School?
To what extent (%) did you maintain yourself by your own savings while in High School?
To what extent (%) did you maintain yourself through work while in High School?
To what extent (%) are you being supported by your parents or others while in college?
To what extent (%) are you maintaining yourself by your own savings while in college?
To what extent (%) are you maintaining yourself through work while in college?
Why did you come to K. S. T. C.?
What are your plans?
How long do you intend to stay?
Other information

Size of family: No boys living No. boys dead No girls living No. girls dead	
Physical record: Eyes Ears	
Diseases: Measles, Scarlet fever,,,,,	
Accidents:	
Scholastic record of brothers and sisters:	
1. Specific amount of schooling each brother has had to date:	:
2. Specific amount of schooling each sister has received to date:	:
Your scholastic record:	
College work: where when High School: where when Grade: where when	
College work repeated why Why H. S. work repeated why Grade why	:
Specify the number of High School credits you have in each of the following subpects: Latin, Modern Language, English, History, Civics	
Mathematics, Science, Music, Commercial subjects, Manual Training, Home Economics, Others,,,	
Total Units	
Specify the extra curricular activities you participated in during High School:	
Athletics	
Dramatics	
Music	
Debating	
······································	
To what extent (%) were you supported by your parents or others while in High School?	- 1
To what extent (%) did you maintain yourself by your own savings while in High School?	
To what extent (%) did you maintain yourself through work while in High School?	
To what extent (%) are you being supported by your parents or others while in college?	
To what extent (%) are you maintaining yourself by your own savings while in college?	
To what extent (%) are you maintaining yourself through work while in college?	
Why did you come to K. S. T. C.?	
What are your plans?	
How long do you intend to stay?	
Other information	86
	-

Number of s	emeste	Number of semester hours you are carrying at this time	re carrying a	t this time		Exper	Experience other than teaching: years	her th	an teac	hing:	years .		where	:	when		;
STANDARD SCORES	Army Alpha	Com- Arith-	PSYCHOLOG Alith Artificial Proverbs Reasoning Language	PSYCHOLOGICAL EXAMINATION	NATION osites Grammar	r Reasoning	Total	Reading Kansas Silent Reading	Reading Thorndike McGall	Vocab- ulary I	English Literature	English A Compos- ition	American History	Civics Ge Soi	General Geo, Science	Geography Spelling	elling
Above							restler.			7. 17							
Freshman Col.	129								72	105							
Senior H. S.	120							30	89	87	65		63				
Junior H. S.	211							27	65	78	55		57			99	
Sophomore H.S.	111							26	64	63	45		52			09	
Freshman H. S.	16		•					23	62	45	35		46			54	
8th grade	88							19	61	30			41			48	
7th grade	02							16	58				27			44	
Below																77117	
1st score																	
Decile																	
2nd score																	
Decile														1-4			