OCCUPATIONS OF HIGH SCHOOL GRADUATES

bs

MAX STILLIAM BECKFORD

B. S., Kansas State College of Agriculture and Applied Science, 1958

A THESIS

submitted in partial fulfillment of the

requirements for the degree of

MASTER OF SCIENCE

KANSAS STATE COLLEGE OF AGRICULTURE AND APPLIED SCIENCE



TABLE OF CONTENTS

INTRODUCTION	Page
REVIEW OF LITERATURE	. 5
METHOD AND PURPOSE	. 8
GRADUATES FROM ENTERPRISE HIGH SCHOOL	
Location of Graduates	
Occupations Followed	. 11
College Attendance and Curriculum	. 1.6
Occupation and Curriculum	. 19
GRADUATES FROM PHILLIPSBURG RIGH SCHOOL	
Location of Graduates	
Occupations Followed	. 26
Occupation and Curriculum	. 52
TRENDS	. 38
CONCLUSIONS	. 46
ACKNOWLEDGMENT	. 48
BIBLIOGRAPHY	. 49
APPRIDIX	

INTRODUCTION

High school curricula have in most cases remained relatively static in comparison with the advancements made in the intustrial and social world. This fact has been recognized quite generally by educators as is evidenced by the recent impetus to curriculum study. High school training, to be affective, must provide for the future purposes and needs of the students; the curriculum is very important in making these provisions. Curriculum revision is messeary if the high school is to prepare the graduate for his occupational career.

The high school or acadesy was originally intended to be a finishing school, but under the covercion of the institutions of higher learning it rupidly changed to a preparatory school. In the beginning this change may have been justified, but with the increased high school facilities and the repid rise in serollment other factors must be recknoed with. The small percentage of high school graduates that actually attends college would indicate that the high school is again becoming a finishing school. This means that woutdonal training for these people must be included in the high school curvicula if the students are to reentire any such training.

Instead of advancing along lines which would lead to better preparation for the lives of its graduates, the high school has set up its corricula to furnish a means whereby the students can meet the requirements for college admission. The studies of Ecce (12), Anderson (1), Young (22), Chrisvell (5), and Smothers and Hamlin (18) would indicate that the number of high school graduates attending institutions of higher learning is not great enough to justify their domination of the corriculum.

Verious reasons would probably be given by the high school student for his being in high school. Some of these students probably have set up a definite goal and are using the high school for preparation to reach this goal. Others may have no specific objective other than obtaining a high school education because it seems to be the fashion. The high school student is, however, in sost cases, becoming awars of the fact that soom he must choose a vocation. A high school education will add him materially in any vocation, yet him scheeting of curriculum may be unsteen in light of him vocational preferences. The results of this study should be helpful to both the schools and statents in the selection of curriculum.

The securate determination of the future vocational desires of the high school freehess is rather difficult, but the occupational status of past graduates can be cited with such sore accuracy. If the high schools will discover the vocations carbot do by their graduates they have a definite besis for their curriculum reorganization. The smaller secondary schools cannot expect to provide for the vocational needs of each of their graduates, but they can provide in a general way for the vocational needs of the majority of their students. Where placement opportunities are quito evident the strictly vocational school is justified, but where specific placement is not visible authorities such as Sacidem (13), Barmard (2), and Salisbury (16) edvocate that training be both of technical and general nature. They suggest training for certain skills which may be used in a related group of vocations and a rather general type of education which might be used in any number of vocations.

Several recent ourways seem to indicate that the occupations followed by high echool graduates are manerous, but that the majority of the graduates follow a ceall number of these occupations. If the training were evaliable for these few occupations which ettract the greatest number of graduates, it is the opinion of the writer that the high school graduates would be better prepared for vocational efficiency and successful living.

REVIEW OF LITERATURE

In order to secretain what is known concerning the competions followed by high school graduates, e search was made for available literature. The Kanass State Library and the files of the Department of Education were used. A few studies similar to this were found.

Several factors enter into the determination of the relationship between curriculus and vocation. This fact is recognised by Timble (21) who maks this cusetions

"To what extent does a given course fit a man for his job; first as to habits of thought and action, second as to factual knowledge needed for the job?"

Seletionship may exist between a curriculum and a vocation although the label applied to each is not the same. Barnard (2) advocates training of the general type for high school students because it is hard to determine just how much of the high school training should be of a technical the above statement.

A vocational study made by Anderson (1) in 1985 of 156 Home Economics graduates from a high school in lows between the years 1922 to 1958 reveals that a large number of them go into homesaking. Of this group 58 per cent were acting as homesakers and 65 per cent were in occupations which were related to the Home Economics curriculium. The report also restnds us that there are approximately 24,000,000 homesakers in the United States. This should be a rather important fact in determining the curricula for high school girls.

In 1935 Chriswell (5) made a study of 267 graduates of the Boston Technical Righ School. His study included only recent graduates and was made for the purpose of determining the value of specialized curricula end the extent to which these curricula were used in practical life. If found 50 per cost actually employed in vocations similar to their high school curricula. Twenty-five per cent were unamployed and 16 per cent were attending college. This study was made in a locality in which there was some possibility of placement after graduation. The high school authorities had already made an intensitive study of occupations

6

After considerable research on the occupational situation the world over Clark and Mithers (6) make this statement about vocational interestar

"Vocational interest is a reflection of the dominant social situation."

curricula.

The constant change in vocations, then, can be interpreted as a result of social change which is also constant. Ours is a dynamic society and the effect of this on occupations is s challenge to curriculum makers the nation over.

At least three writers agree that high school training should be of both vocational and general nature, Sacidem (13) states that the best vocations require two preparations, technical and general. Technical training for vocational interests and general training for avocational interests. This statement was made after his study to determine the number of vocations svailable in New York City and the meaner in which the high schools were training for these vocations. Sutledge and Fowler (15) in referring to general courses in high school make the following statements

"The development of new general courses is probably the most promising method of caring for the curricular needs of the high school pupils who are not preparing for college." Their study was ends to determine the actual change that takes place in the types of students found in a high school over a period of years. They concluded that the vocational background and purpose of the high school population for a large city is constantly changing, and that any corriectum program would have to recognise this fact if it could be torused effective.

While most of the surveys studied agreed that the vocational type of curricula showed higher relationship between curricula and vocations, the recent investigators are nearly agreed that the high school should provide rather general training for those not definitely decided as to vocations. The idea that vocational curricula should contain general training in related vocations was also quite prevalent.

Salisbury (16) made a study of the curricula of several anall high schools in New York State and then from his conclusions attempted to set up a theoretical curricula for the group. In concluding his study he makes the following statements

"School programs should be flexible and slexite to permit salpatton to the peculiar needs of the community." Corriculum revision will of necessity have to be done for elecely related areas and with a view of actual conditions, rather than as a whole with no special caphesis on local needs. Certain changes can probably be made which will benefit large areas, but specific vocational trends will very likely be found in certain separate areas. That the problem of curriculum revision is vital for smaller high schools as well as large can heartly be disputed in light of the findings of Dolch (3). According to his study, 85.0 per cent of all high schools reporting to the federal government in 1900 were of the rural type. This assess that a large number of our high schools are small. This does not mean, however, that an equally large per cent of our high school students attend these high schools.

Curriculus builders in making new vocational curricules should find helpful the report of the Countities on Social Studies of the Netional Education Association. It sets up the purposes of vocational guidance very well in the following statements

The development of an appreciation of the social significance of all work; of the social realment and interdependence of all coccupations; of the social responsibility of the worker, not only for the character of the social responsibility of the worker, not only for the character of the social part of the social tension of the appreciation and the social time of the day of the cosmunity to the worker, of the necessity for social control, governmental and otherwise, and of the someonic activities of the cosmunity.

METHOD AND PURPOSE

The graduates of the Enterprise and Frillipsburg High Schools were selected for this study because of the writeris familiarity with both schools and communities. The writer was born and raised in Frillipsburg and is a graduate of the Frillipsburg High School, and has been teaching in the Enterprise High School for the past two years. It should be noted that there was no graduating class listed for Enterprise for the year 1907. A class was graduated in that year but the school was changed from a three-year to a four-year high school and the class of 1907 were graduated finally in 1909.

In handling the data four types of information were soughts

 The occupational distribution of the graduates of two typical Kansas high schools over a thirty-year period, 1904 to 1955.

2. The relationship between curriculum followed and occupation chosen.

S. College attendance as compared with curriculum followed.

4. Curriculum needs in light of occupational status.

CRATHATES FROM ENTERPRISE HIGH SCHOOL

Location of Graduates

In the thirty-year period, 1904 to 1935 inclusive, there were PEE graduates of the Enterprise High School. Of this musber, nine, or 5.5 per cent, are deceased. The shereabouts and vocational status of four, or 1.5 per cent, could not be determined. Accurate information could be obtained on the remaining 240.

Of these 249 graduates, 148, or 59.4 per cent, were females and 101, or 40.6 per cent, were males.

The present location of these graduates is indicated in Table 1.
Table 1. Present location of graduates of Enterprise, Kanses,

High School

Males	Ho.	Per	:Females	lio.	Cent
Enterprise Dickinson County State of Kansas Out of State	28 7 · 80 46	27.7 6.9 19.9 45.5	*Fnterprise *Dickinson County *State of Kansas *Out of State	36 20 55 59	24.5 15.5 22.3 39.9
Total	101	100.0	sTotal	148	100,0

According to Table 1 about the same percentage of males and females are found to remain in Enterprise. Of the males 54.6 per cent stayed in Enterprise or Dickinson county and 57.6 per cent of the females remained in those two areas. This fact would indicate that a survey of the

occupations obtainable in Enterprise and the surrounding territory would not yield sufficient evidence on which to have the curricule of the Interprise High School. In Table 1 we also note that 19.9 per cent of the sales and 22.1 per cent of the fessles are out of Dictinson County but in the State of Kaness. Continuing we find that 45.5 per cent of the sales and 20.9 per cent of the Smales are out of the State of Kaness. These people may be following occupations entirely foreign to those of the local community.

In comparison with a study made by Emailan (10) of 5,200 high sobbol graduates in seven counties in Iown, it would seem that the number of alignants from the Enterprise community in rather high. His study revealed that of these graduates 45.2 per cent remained in the county in which they were educated, and only 15.8 per cent of those studied by him were found out of the state. A nurvey made by Lesch (13) of 422 graduates of a Hebrasha high school above 16 per cent remaining in the local districts, 47 per cent in the state, and 87 per cent out of the state. These figures agree more favorably with those of this study.

Occupations Followed

The occupations followed by the graduates of the Enterprise High School are shown in Table 2. In grouping these occupations, those requiring similar skills were classed together. Business includes salessem, store-owners and store operators. Clerical refers to clerks, bookkeepers, office amployees and similar occupations requiring related skills.

Table 2. Occupations of the graduates of Enterprise, Kansas,

Males	No.	Per Cent	:Females	No.	Par
Business	22	21.9	sHowensking	117	79.0
Clerical	14	14.0	*Clerical	11	7.5
Farming	14	14.0	*Teacher	8	5.5
Skilled Labor	15	15.0	:Student	6	4.0
Student	9	8.9	1Business	3	2.0
Druggist	7	6,9	:Nurse	2	1.5
Labor	7	6.9	#Chaf	1	.7
Teacher	6	5.9			
Engineer	5	2.9			
Hilitary Off.	2	1.9	1		
Professions	2	1.9	1		
Mail Carrier	1	.9			
Scientist	1	.9	1		

100.0 sTotal

148

Table 2 above that 62.9 per cent of the sale graduates of the Enterprise High School followed four occupations, massly, business, clerical work, farming, or skilled labor of some type. If the vocations classed as drugicats and common labor are included we find 78.7 per cent of the makes in six different vocations. This is diargarding students as they have not had a chance to become vocationally stables.

Dusiness claims the greatest percentage of the greatest of this community. About one-fifth, or 21.0 per cent, are in occupations of a business nature. Asother 14 per cent are doing elerical work, a great deal of which could be considered as directly related to business.

Thus over one-third, or 35.9 per cent, of the male graduates of Enterprise would have benefitted from a curriculum which gave business training, or training of a commercial nature.

Of the 101 male graduates of Enterprise, 14, or 14 per cent, are fermers. This number would seem rather small in view of the feet that Enterprise is located in an agricultural area. In the wariation may be explained to some extent by the feet that some of the students located in the Enterprise district attend the Dickinson County High School for the specific purpose of enrolling in the Vocational Agriculture curriculum. This would have a tendency to remove some of those students who have a definite woentional choice, and expect to follow the vocation indicated by their high echool curriculum. The fact that Enterprise does not offer vocational training for potential furuers is probably a deciding factor against enrollment in the Enterprise High School for those destring to follow this occupations.

Table 2 indicates that 13 per cont of the male graduates of the Batesprise Righ School are skilled laborers. This can be explained by the fact that Esterprise contains a manufacturing concern which requires labor of the skilled type. The Ehrean Hamufacturing Cospany produces intricate cesting work, machine work, and sheet ustal work. The inetition employe from 50 to 125 mem. Its products are shipped to all parts of the Watted States due to the feet that it is one of the few places in the United States where certain work will be done. Most of the men

classified as skilled laborers in this study received their training in this establishment as apprentices. Some of them are skill employed by this company while others are employed in similar occupations with other companies of the same type. The apprentice period of these men could in most cause be made relatively easier by pre-apprentice traintme in high school.

At the present time 8.0 per cent of the male graduates of this cohool are students. Of the total number of male graduates 52.5 per cent attended or are attending college. These figures do not correspond with those of other surveys. Chriswell (5) in a study of recent graduates of the Boston Technical High School found only 17 per cent of the graduates attending college. Mose (12) in a study of the graduates of the Himnespolis, Himnesots, High Schools found 80.6 per cent of the boye attending college. Data takes from a study made by Smothers and Hamisin (18) of the male graduates of Newton, Iows, from 1920 to 1929, showed only 20.2 per cent attended college.

The number of druggists found among the male graduates of Enterprice is rather interesting. They make up 6.8 per cent of the total. In taking the data this fact was noted and an attempt was made to the cover the reason. The local drug store employe boys of high school age to act as clarks. Quite a few boys have attended the Enterprise High School with the aid of somey earned in this establishment. Of this group seven have gone on to study pharmacy and make it their vocation. Common labor occupations were followed by 6.9 per cent of these graduates. In the opinion of the writer this number is rather low.

Teachers make up 5.0 per cent of the group of male graduates. Engineers 2.0 per cent, military officers 1.0 per cent and the professions 1.0 per cent. Most of this group necessarily took some higher training for their occupations the duty of the high school in these cases was college preparation. This is also true for the one scientist. The one mail carrier of the group was probably concerned with only a Civil Service examination after high school graduation.

The majority of the male graduates of Enterprise followed only a few rocations, some of which could be considered related. It is rather doubtful that any of them received specific recational training for any of these occurations.

Table 2 shows that most of the female graduates of Rotarprise are found in only one vocation. Of the 148 girls that were graduated, 117, or 79 per cent, are now homeaskers. This percentage coincides rather closely with the results of a study made by Dolch (8) of 255 graduates of a rural high school between the years 1898 to 1911. He found 65 per cent of the females in the vocation of homeasking. Anderson (1) in a study of 136 female graduates over the tem-year period 1922 to 1921 found that 58 per cent were surried and 14 per cent were doing work homes. This was a study of the graduates of the floor Economics curriculum. In the case of the graduates of this study, one curriculum would have provided for the needs of over three-fourths of the graduates.

Cherical occupations attracted 7.5 per cent of the female gradistee. This is rather small percentage yet it is the second largest for the girls. Some of those that are now become followed electrical escupations as intermediate vocations.

Right of the female graduates, or 5.5 per cent of the group, became teachers. An occupation for which they may, or may not, have trained in high school. Of those taking the Hormal Training curriculum, 16 were at one time teachers. This fact was shown in the "intermediate specifical column on the data should.

Four per cent of the graduates are students, two per cent were found in business, one and three-tenths per cent were nurses and one strl is a chaf.

In view of the small number of occupations which these girls have followed, and the large percentage found in one vocation it would not be exceedingly difficult to device new curricula to provide for their vocational needs.

College Attendance and Curriculum

Migh school students quite frequently change their minds. Some of them enter high school with the specific purpose of preparing for college. Others have no intention of attending college and hence pay littile attention to their selection of curricula. Table 5 gives evidence on this situation.

Table 5. College attendance of the Enterprise, Kansas, High School graduates as compared with curricula followed

Curriculum		Total	Attend	Rec'd degree	Per cent	Per cent
Classical	Ж	3				
	P	6	4	2	67.	50.
Col. Prep.	M	87	28	15	76.	53.
	7	85	19	11	54.	57.
General	М	59	25	16	42.	64.
	F	54	1.5	7	28.	46.
Horn. Tr.	11	2				
	F	53	12	4	25.	54.
Total	15	101	55	51	53.	59.
	F	148	50	25	34.	46.

A greater percentage of the boys from the Enterprise High School, attended college than of the girls. Of the total number of boys \$2.5 per cent attended college while only 40 per cent of the girls attended. Considering the total number of graduates, both boys and girls, 41.4 per cent attended college. This last percentage is rather high in comparison with the findings of othere. Anderson (1) Tound only 15 per cent of the recent graduates attending college, while Chriswell (5) found 15 per cent.

Of the total number of boys attending college 50 per cent received degrees. The total number of girls that were graduated from college included 45 per cent of those attending. The boys seem to have a greater tendency to attend and to finish college.

The largest percentage of male graduates attending college was found smong those students taking the College Preparatory curriculum. Of those enrolling in this curriculum 76 per cent were found to have ettended college. This is also true for the females. The percentage is not as high, but 57 per cent of the girls taking the College Preparatory curriculum ettended college. This would indicate that over half of the persons taking the College Preparatory course could be expected to go to college. (Sixty-coren per cent of the females that took the Classical curriculum ettended college. This group includes only six of the female graduates and seems insignificant in view of the feet that 55 took the College Preparatory course.)

The second highest percentage of groups ettending college and receiving degrees was found song those taking the General curriculum. In this group 42 per cent of the males and 38 per cent of the females ettended college. Of these 66 per cent of the males and 46 per cent of the females received degrees.

When we consider those taking the Morsal Training curriculum we find that 25 per cent of the girls attended college and of them 36 per cent carned degrees.

It can be observed in Table 5 that there is very little difference in the number of those going to college from the College Propertory and General curricula. The small number from the Classical and the Borman Preiming curricula would indicate that these people select these curricula with the idea that the high school is their finishing school.

In the case of the Enterprise High School it would seem that the school is justified somewhat in setting up a curriculum to meet the reouirements set up by colleges for admission. While a majority of the students never attend college, a large enough percentage of them do to justify this curriculam. Curricula could be set up to provide for the majority as well as the minority.

Occupation and Curriculum

In an effort to determine the extent to which the high school students follow the occupations indicated by their choice of curriculums, Table 4 was constructed. This table was constructed by checking the companions in which the graduates were actually found against the curriculum which they followed in high school.

Table 4. Occupation as determined by curriculum

Male	Clas- sical	College	Gen.	Horm.	Total
Business	1	- 6	17		22
Clerical		8	6		14
Farming		2	11	1	14
Skilled Labor	2	6	5		15
Student		7	2		9
Druggist			7		7
Labor		2	4	1	7
Teacher		4	2		6
Engineer		1	2		5
Hilitary Off.			2		2
Professions		2			2
Meil Carrier			1		1
Scientist		1	-		1
Total	3	37	59	2	101

Founde	Clas- sical	College prep.	Gen.	Norm.	Total
Housenaking	4	25	43	45	117
Clerical	1	2	5	5	11
Teacher	1	3	1	5	8
Student	_	4	2		6
Business			2	1	3
Hurse		1	1		2
Chef				1	1
Total	6	55	54	53	148

72

Grand Total

The male graduates showed a decided preference for two curricula, namely, the College Proparatory and General. The Classical curriculum was removed from the Enterprise High School in 1908 so the sajority of the graduates included in this study did not have a chance to earoll in it. The Horsal Training curriculum was in operation from 1908 to 1981. The other two curriculus, College Preparatory and General, remain.

The varied nature of the occupations and the narrow limits of the curricula make it rather easy to detaraine by imprection that no specific relationship exists between the vocations and curricula. This should not, however, be interpreted as meaning that no relationship exists between the training these students received and the occupations they are in. Some of the training which they received would be of benefit in any vocation.

Of the 22 males found in occupations of a business nature, 17 took the General curriculum. This would probably be the best selection they could make under the circumstances. Such subjects as Economics, Bookkeeping, Raglish and Mathematics which are included in the General course, would be of value to thes in their occupations. Better provisions could have been ande for thes, however. Fractical business courses could be outlined to care for those students who are partial to occupations of a business nature.

Cierical jobs were held by 14 of the boys statistics. Of this group eight took the College Preparatory course and six the General. This does not indicate much relationship, nor much basis for prediction of future vocations.

Of the 16 farmers 11 took the General curriculum. Two of the remainder took the College Preparatory course and one took the Sormal Training course. General Agriculture is included in the General course and this is the only subject to be found in this curriculum which deals directly with the farming problem. Other subjects may bear indirectly on the question of agriculture but in sost cases are not taught with this viewpoint in mind. Thus the boy goes into his occupation with very little specific vocational training.

Table 4 also shows that of the skilled laborers six took the College Preparetory course, five the General course, and two the Classical. Hention has been made before of the feet that these men received their vocational training in the local semufacturing establishment. Subjects could be introduced into the curriculum shich would be of value to the future graduates who expect to become skilled laborers. Of the mine boys whe are now attending college, seven took the College Preparatory course and two the General. This one group shows more specific relationship than may other. These people ordically were using the high school for preparation for a definite objective.

Of the seven druggists found among the nele graduates, all followed the General curriculus. The seven laborers and the six teachers were almost equally divided between the College Preparatory and General curriculs. One laborer followed the Mornel Training curriculum. Those graduates probably received some training which is beneficial to that in their vocational life, but little relationship between vocation and curriculum could be claimed.

The remaining mine male graduates were contieved over five occupations. All of them followed either the General or College Freparatory curriculum.

Takes as a whole it in the opinion of the writer that very few of the sale graduates received any high school training which was of the type to prepare then for their vocations. Those taking the College Preparatory course and actually going to college fild receive training in high school which was to aid them in their next goal. In considering the occupations followed by the graduates, it would be hard to justify the present curricular set up.

The homemakers who make up the largest percentage of the group of female graduates are scattered over the four curricula as is shown in Table 4. Of the total li7, forty-five took the Normal Training curriculum. Of this 45, sixteem ectually taught before marrying. This is one place where the high school training offered opportunities for its graduates for an intersediate vocation. Porty-three of the homesekers took the General curriculum. The College Properstory curriculum was chosen by 25, and four were found to have taken the Classical curriculum. Here we have 79 per cent of the female graduates scattered over four curriculum, and all going, ultimately, into the same vocation. These girls would have derived a great many benefits from one curriculum pertaining to homeseking.

Clerical occupations were followed by eleven of the feasile graduates. Five took the General course, three the Sorani Freining, two the College Preparatory and one the Classical curriculum. These graduates would have found the training offered by a commercial curriculum wery hallful in their life occupations.

Three of the eight teachers took the Normal Training curriculum in high school. These three received training in high school which has been used in their occupations. Three of the teschers took the College Preparatory course. These people probably received their vocational training in college and not in the high school. The high school did, benever, furnish a means shereby the students could prepare for college.

The remaining six femsle graduates are scattered both as to vocational status and curriculus followed. They make up a very small percentage of the total. Again the fact that most of the graduates are found in a few cocuprions is brought out. This high school, by offering a few woestional courses, could seet the needs of most of its students, both make and female.

GRADUATES PROS PHYLLTPSRING HIGH SCHOOL

Location of Graduates

The first class graduated from Phillipsburg High School was in 1804s. From that time up to and including the class of 1855, 588 studants have been graduated. Of this group 17 are decessed, this is three per cent of the total. Thirty-seven, or six per cent, of the graduates could not be located. Of the remaining 545, forty-one per cent were makes and 50 per cent were females.

The present location of these graduates is shown in Table 5.

Table 5. Present location of graduates of Phillipsburg, Kansas,

High School

Males	No.	Per Cent	:Femalos	No.	Per
Phillipsburg	95	41.7	sPhil!ipsburg	143	44.4
Phillips County	25	11.2	:Phillips County	48	14.9
State of Kansas	42	18.9	State of Kansas	65	19.5
Out of State	63	28.2	sOut of State	68	21.1
Total	223	100.0	s Total	522	100.0

The percentage of graduate remaining in Phillipsburg and Phillips County is about the case for both the makes and females. According to Table 5, 42.9 per cast of the makes remained in these two areas, while 43.5 per cast of the females did not migrate from the community and county. In either case a little less than 50 per cent remained in the inacdiate vicinity.

In considering the males, we find that 47.1 per cent migrated from the community in which they received their education. The females obsered less tendency to migrate, 40.6 per cent being found away from Phillipsburg and Phillips County.

According to the data in Table 5 anny of the graduates are leaving the community. These people may be leaving the vicinity because of lack of vocational opertunity. Their vocational choice may have been determined and they must go elsewhere to find opportunity in their field. The statement may be made again that more than local vocational opportunities must be considered in outlining a plan for vocational curricula. The school must have accurate information concerning the occupations into which their graduates go if they are to build any comprehensive vocational currees of study.

Taken as a whole the girls show a greater tendency to remain in the home community than do the boys. More of the boys ecen to leave the community and go elsewhere in the state and into the ecveral states.

Occupations Followed

The grouping of occupations for the Phillipsburg graduates was done in the same manner as that for Enterprise. Table 6 lists the graduates as to occupation.

Table 6. Occupations of the graduates of Phillipsburg, Kansas,
High School

Malos	No.	Per	sFemnles	No.	Per
Faraing	46	20.6	sHomemaking	247	76.7
Business	45	20.2	#Teacher	58	11.5
Labor	39	17.5	sClerical	18	5.6
Clerical	22	9.9	*Business	6	1.9
Skilled Labor	17	7.6	sNurse	6	1.9
Teacher	14	6.5	*Student	5	1.6
Student	11	5.0	*Doctor	1	.4
Professions	7	5,1	shusicien	1	-4
Gowt. Employee	6	2.7			
Railroad Emp.	6	2.7	1		
Journalist	5	1.5	1		
Minister	5	1.5	1		
Engineer	2	.9			
Wilitary Off.	2	.9	1		
Total	223	100.0	:Total	322	100.0

The graduates represented in Table 6 show a rather definite occupations grouping. Fifty-eight and three-tenths per cent of the makes are found in three different occupations, ferming, business and labory while 78.7 per cent of the females are found in only one woostion, that of homomaking.

Phillipsburg is located in an agricultural area. The situation is almost completely rural. The town at one time was a division point for the Book Taland Hallrod and, but the shops have been removed in recent years and the labor deamned from this source are rather light, Unless training is received beyond that offered by the local high school at the present time, occupational opportunities are rather marrow.

Farning is the vocation which was chosen by 20.6 per cent of the male graduates. This access that in the past one out of every five boys graduated from the high school ment into occupations of an agricultural type. In view of the scocomic status of the community at the present time, it is the opinion of the writer that this ratio could be expected to continua. The school does not have, nor never has had, any curriculum of the type which sould be vocational training for these boys.

Almost as many west into business as farming. Twenty and twotenths per cent of the boys wers found in this classification. This sakes a total of 40.8 per cent of the boys that have entered into these two different vocations. By setting up two specific vocational curricula to meet the needs of these groups, the high echool at Phillipsburg could provide for the vocational needs of almost half of its make graduates.

Common labor occupations were followed by 59, or 17.5 per cent, of the 225 male grainster. The size of this group might be reduced in the future by offering vecational training in the high school. Graduates with no specific vecational training find it hard to break into accupations where pre-approxitieship training for those vecations is assemtial. Nost of these graduates did not attend college. Clarical occapations are in some ways similar to business in that they results related skills and knowledge in cone cases. Him and minetenths per cent of the males were found in vocations of this type. Outside of bookkeeping and several other commercial subjects very little training was offered by the high school which could be termed preparation for those yearstons.

Seven and alt-teaths per cent of the males were found in occupations requiring skilled labor. These sem received their training for these vocations after they left high school. Some of them in the relived shope, and come as apprentices in other shope. It would be impractical for the high school to try to offer training for all skills, but they could offer training in related skills if the demand were creat encach.

The teaching profession attracted 6.5 per cent of the boys. Most of these boys received additional training et colleges. The high school does offer training for this vocation.

Five per cent of the male graduates are in college at the present time. If the high cohool offers training of a nature that will prepare these people for college that is all that can be expected. The high school does offer college preparatory training.

The professions eccount for \$1 per cent of the makes. These people necessarily received their professional training in institutions of higher learning and the high school furnished the background for this additional training. The remaining occupations were selected by fewer than two per cent each of the graduates. These occupations include government esployees, retirend suplayees, journalists, ministers, engineers and military officers. Such a small percentage of the total graduates is included in these occupations that it would be impractical for the high school to ter to offer definite training for them.

According to the data given on the girls in Table 6, 76.7 per cent are now homesakors. Over three-fourths of this group are following one vocation. Home Economics subjects own offered in this high achoel for a period of over ten years but at the present time there are no provisions made for this type of training. The Home Economics subjects were removed under the gains of an economy messure and have never been reinstated. Very little has been done to prepare the girls for their life work. The percentage of homesakors found away this group is not excessively high as is indicated by studies to which reference has been made previously.

Teaching attracted 11.5 per cent of the girls. The Norsel Training curriculum would have supplied training for these girls, but 35 per cent of those now teaching did not follow this course.

Five and six-touths per cent of the girls are in occupations clamified as clerical and one and nine-tenths per cent are in business. These occupations are somewhat related and training could be offered which would be helpful in both. The few remaining girls were found in a variety of vocations. Numing was followed by 1.0 per cont and 1.6 per cent are students. There was one doctor and one musician among the girls. These occupations do not include a great enough misher of graduates to merit much consideration in curriculum organization.

Table 7. College attendance of the Phillipsburg, Kansas, High School graduates as compared with curricula followed

Curriculum		Total enrol.	Attend	Rec*d degree	Per cent	Per cent rec'd deg
Classical	H	58	22	18	58.	82.
	F	59	18	10	46.	55.
Conmercial	36	55	10	3	29.	34.
	F	57	14	10	25.	71.
General	M	124	35	19	28.	54.
	F	50	1.5	7	30.	47.
Hors. Tr.	M	26	5	5	19.	100.
	F	176	33	9	19.	27.
Total	Н	223	72	45	52.	63.
	F	322	80	36	25.	45.

From the data in Table 7 several facto can be noted. The boys show a greater tendency to go to college them do the girls. By way of comparison, SE per cent of the boys that were graduated from the Phillips-burg Righ School attended college, while only 25 per cent of the girls attended. A larger percentage of the boys that attended college received degrees than of the girls. Of the boys, SS per cent received college degrees while only 45 per cent of the girls completed their college education. This fact would indicate that the College Preparatory curriculum should be used more by the boys than the girls.

The information given in Table 7 shows that the curriculum followed in high school to a rather poor indication of whether the student expects to attend college or not. One fact should be stated before interpreting those data further. The Classical curriculum offered by the Phillipsburg Righ School is also the College Preparatory curriculum. It is a combination of both and carries the forcer title. Requirements for college officiation can be set by following the Classical curriculum and it is the curriculum taken by those sho are definitely preparing for college.

The highest percentage of relationship shown between curriculum and college attendance in Table 7 is found among those taking the Classical curriculum. Of the boys taking this curriculum, 56 per cent attended college, and of the first, 46 per cent. These are the highest percentages of college attendance noted for any curriculum. In these two groups we find that 85 per cent of the boys that attended college earned degrees as did 55 per cent of the spirit. In view of these facts it would see that this curriculum offers a better basis for predicting college eathers that the surriculum offers a better basis for predicting college eathers.

Among those taking the Commercial curriculus, we find that 20 per cent of the boys and 25 per cent of the girls attended college. About one-third, or 54 per cent, of the boys attending collage from this curriculum received degrees and 71 per cent of the girls attending college were irreducted.

Twenty-eight per cent of the boys and 30 per cent of the girle that took the General curriculum attended college. Degrees were earned by 54 per cent of the boys and 47 per cent of the girls that attended college after taking this curriculum in high school.

According to Table 7, the smallest perentage of college attendence was moted for the Normal Training graduates. Of this group 19 per cent of the boys and 19 per cent of the girls attended college. All of these boys received college degrees, while only 27 per cent of the girls completed their college course.

Of the total number of graduates of the Phillipheng High School included in this study, only E7.9 per cent attended collage. These people received training in high school that was of value to them. Seventy-two and con-tenth per cent did not attend collage by twere forced, in most cases, to take training which did not fit them for their vocation to a very great extent. Collage preparatory training should be offered but specific vocational training courses should be offered for the amjority who will never attend collage.

Occupation and Curriculum

The students of Phillipsbury High School have four different curricula from which to choose. Table 8 shows the occupational distribution of the graduates with reference to the curricula followed as high school students.

Table 8. Occupation es determined by curriculum

Males	Clas.	Coma	Gen.	Norma Tra	Total
Forming	4	6	26	10	46
Business	6	7	30	2	45
Labor	5	S	24	4	59
Clerical	4	8	7	8	22
Skilled Lab.	8	2	10	2	17
Teaching	2	2	6	4	14
Student	4	2	5		11
Professions	4		2	1	7
Govt. Esp.	2	1	5		6
R. R. Eup.			8		5 5 2 2
Journalist	1		2		5
dinister	2	1			3
Engineer			2		2
Hil. Off.	1		1		2
Total	38	35	124	26	223
Fenales					
Housensker	51	59	57	140	247
Teacher	5	7	8	25	58
Clerical	1	7	8	7	16
Business	1	2	3		6
Hurse	1	2	2	1	6
Student	1		1	3	5
Doctor			1		1
Musician	1				1
Total	89	57	50	176	522
Grand Total	77	92	174	202	545

The curricular preference of the gradiests of the Phillipsburg High School are quite evident in Table 8. The boys show quite e preference for the General Curriculum, while the girls fever Morsel Training. These two curricular were followed by ever 80 per cent of each group. The second most popular curriculum for the boys was the Classical and for the girls the Conservat. The general course was followed by the langest number of boys that became farmers. Trenty-six of the 46 that went into farming chose the femeral curriculum in high school. Of the remainder, 10 followed the Morsal Training curriculum, six the Commercial and four the Classical. The General course was probably the best selection these boys could have made in that particular situation. These boys, some of them conting from the farm and intending to return, had no chance to follow a course of study outlined for their particular meeds. Training for their vocations had to be obtained from some other source than the high school.

The Commercial curriculum is an attempt to devise vocational training for high school students. Students intending to go into business clearing local conjunctions should follow this curriculum. The graduates of the Phillipsburg High School who chose these occupations did not in every case do this. Thirty of the 45 boys found in business had followed the General curriculum, two the Hornal Training, only seven the Commercial and four had taken the Classical curriculum. Of those following elevical vocations, we find only eight out of 22 had taken the Commercial curres. These people could have had vocational training if they had made a wise selection of curriculum, but something evidently guided thus into come other curriculum. The Commercial curriculum has been offered in the Phillipsburg High School ciace 1918, so a large percentage of the graduates have had the opportunity of selecting this curriculum.

Of the 38 sales found in occupations of the cosmon labor type, 34 had taken the General course, six the Commercial, five the Classical, and four the Moraal Training curriculum. These boys probably ands the selection of curriculum a minor consideration as tney entered high school. Many of this group might be in different types of vocations to-day if the high school had offered than a wider variety of vocational training.

Ten of the boys going into skilled labor occupations had followed the General curriculum. The Commercial and Horsal Training curricular were taken by two each, and three had followed the Classical course. With the exception of two years of Hannal Training, which deals entirely with wood-working, these boys had no training in high school which would help them in developing the skills which thay were to use in later life.

Eleven of the sale graduates are college students at the present time. In this group, we find that five took the General curriculus, four the Classical, two the Commercial. Evidently these students received training in high school which gave thes the qualifications for college estrance although not all of them took a curriculum designed for this purpose.

Of the seven boys who have gone into the professions, four took the Clessical course, two the denoral and one the Normal Training course. These people received their professional training at institutions of higher learning. They should have salucted a high school curriculum that propared them for college entrance. This training is offered by the high school and failure to enroll for it is not a fault of the curriculum, but a lack of proper guidance.

Railroads furnished exployment for air boys from the Fmillipshurg Right School. These six boys followed the General curriculum in high school and it is the opinion of the writer that this mas the vice course to follow. The different occupations of relironding are so waried that the exployees are required to receive special training on the job, and, because of the small number in this group, the high school training could only be of a general nature. These facts are also true of the six boys who because suplayees of the federal government.

The resaining occupations, Journalist, Minister, Regimers, and Military officer, are specialized vocations for which especialized training must be received. The curriculum followed in high school should be the one which furnishes the best foundation for future training.

In view of the faste given in Table 0, it would seen that the boys that were greduated from the Phillipburg High School had very little chance to prepare for their vocations. In most cases those boys going into vocations for which high school had made provisions in its curricula did not make a time selection in their course of study. This con probably be accounted for by the lack of a functioning guidance program.

In considering the girls represented in Table 8, we find that the 247 hosesakers are divided as to curricula as follows: Horsel Training one hundred forty, Commercial 37, General 37, Classical 31. Minety-six of the 140 that took Normal Training taught before they were married, Pffty-flwe per cent of the femiles used their high school training in their intermediate vocations. This fact coincides with the findings of Smothers and Smalla (18) who found that the occupations of high school graduates usually show some relationship to the high school curricula followed.

The high school in this case offered training to these girls which was of aid to them in their intermediate vocations but failed to prepare them for their life vocation. The pariod of the intermediate vocation is rather short as compared with that of the life vocation.

Of the 36 girls that eventually because tesceiers, 55 took the Normal Training curriculum. These girls left the high school with vocational training which was no doubt an aid in securing a position. West of thes have probably attended college since graduating from high school, but again their high school training was of benefit to them in entering college. This part of one group shows the highest percentage of relationship found between occupation and curriculum. These girls received vocational training in high school for their intermediate vocations, but they did not follow the curriculum which would have given then better preparation for their work. The curriculum an not offered.

Business and cherical occupations were chosen by 24 of the girls. Sine of these girls took the Conservial curriculum in high school and, no doubt, received training which was of some vocational value. Green of these took the Morani Training course, six the General, and two fellowed the Cinesical curriculum. Outside of the first nine mentioned, very little relationship can be shown between curriculum and vocation for this group.

Of the six nurses, two followed the General curriculum, two the Commercial, and one each took the Classical and Horsal Training courses. These girls should have selected the curriculum which would have provided the most pre-wocational training for their occupation. The General or Classical course either would have effored prerequisites for their nurses training course.

Three of the five students attending college had taken the Normal Training course and one each had taken the General and the Classical curriculum. These people should have taken college preparatory training. The one doctor had taken the Jeneral course and the one musician had followed the Classical curriculum.

When one vocation is followed by over three-fourths of the female graduates of a high school, it should not be difficult to decide that vocational homesking should be listed among the curricular offerings.

TREDIDS

It is to be noted that Phillipsburg and Enterprise are both small village communities, essentially rural. While this is true, there are

a few significant differences which are apparent. Enterprise is the home of a small, but prosperous, sumfacturing business of nationalds reputation which seems to have had a noticeable affect on the trent of thinking among its people, including high school pupils. Enterprise is at the same time the clader, and the smaller, of the two towns. For the purposes of comparison, however, we have taken graduates covering the same time. Since in general these communities are quite similar, we may very appropriately look for common trends among the data commiddred, there we find distilleration, their significance will be accounted for, and where we find differences they may point to the importance of varying local conditions which sight not otherwise seem significant.

The total number of cases Located by this study is 704. The larger number of graduates was taken from the Phillipstury High School, the number being 545, while 200 were taken from Enterprises. In both schools the females were found to have out-numbered the males. Fifty-mine per cent of the graduates studied were females and 41 per cent were males. These percentages also hold true for each school. Three and one-half per cent of the graduates from Enterprise are decessed as are three per cent of those from Phillipsturg.

The occupations followed by the graduates of the two high schools show some rather striking similarities. Over 50 per cent of the boly from both schools were found to have followed only three different vecations, analy, business, farming and ciercial work. The percentages for each group were alightly different but a definite trend toward these three vocations is evident. If we include those from Fhillipsburg who are doing common labor and those from Enterprise who are skilled labor-ers, the percentage of the total raises to ever 60 per cent. The faraers made up 20.6 per cent of the troup of boys from Fhillipsburg, and 42 per cent of those from Enterprise. Clerical occupations were followed by 14 per cent of the boys from Enterprise and 9.9 per cent of the boys that were graduated from Fhillipsburg. In business vocations we find El.9 per cent of the boys from Enterprise as compared with 50.2 per cent from Fhillipsburg. As this study covers a period of 50 years it would seem that the occupational trends of the sale graduates of these two schools are rather definite. Nost of the boys seem to follow a few occupations for which the high school could offer training.

In considering the girls that were graduated from the two schools we find even greater similarity of occupational choice. Over three-fourths of the girls from both schools are now homenkers. Of the girls taken from Phillipsburg 76.6 per cent ere homenakers, and e slightly higher percentage, 79, was found for the girls at Enterprise. This fact should earry considerable weight in determining the chief curriculus which these two schools should after the girls. Meither of the two schools offers vocational homenaking training, although the Enterprise High School does offer Home Economics subjects.

Some similarity was found in two other vocations followed by the girls. Teachers and clerical workers make up 17.1 per cent of the fe-

male greduates of the Phillipsburg High School as coapered with 15 per centfor Enterprise. Thus we have a very large amjority of the girls that were greduated from these two schools accounted for in only three different vocations.

The vocational trends for both male and female graduates of the two schools are represented graphically in Figure I. This figure is used to show only those similarities found.

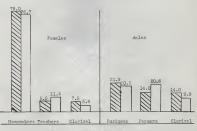


Figure I. Occupational similarities of the graduates of Enterprise and Phillipsburg High Schools



Another similarity noted was among the graduates of both high schools that later went to college. Both of the high schools offer training which is for the specific purpose of preparing for college, yet many of the stwiests who went to college from these high schools did not take this training, and some took the College Preparatory course and to not go to college. Better selection of available curricula should be stressed by the authorities of these two schools through a functioning program of guidance.

In comparing the data of the two schools, differences as well as similarities were found. Treads which were quite evident in one set of results were lacking in the other. These differences may be due to local variation, which high school officials should determine for their communities before building a comprehensive curriculum plan.

Highwiton tendencies were more ordent among the graduates of the Enterprise High School. Sixty-five and four-tenths per cent of the nales and 62.7 per cent of the families and 62.7 per cent of the families have communities. Only 47.1 per cent of the sale and 40.6 per cent of the familie graduates of the Phillipp-burg High School were found in communities other than Phillipp-burg and Phillips County. This fact is rather hard to explain unless geographical location of the two towns night have an effect on nigration. The higher percentage of college attendance among the graduates of Enterprise High School might cater into the signation tendency.

The cimilarities of the occupations followed by the graduates of the two echoole have been noted previously in this section. Some diffarences exist which should be considered. Seven druggists were found among the 101 male graduates of the Enterprise High School, yet of the 223 male graduatee of the Phillipsburg High School, none followed this vocation. This is due to the fact that interest in this vocation has been sponsored by local business men in Enterprise. The larger percentage of skilled laborers in Enterprise has been noted before and the reason for this being true explained. Three journalists were found among the male graduates of Phillipsburg, and none from Enterprise. This number is rather small yet something evidently produced the result. We find six railroad employees and six government employees among the male graduates from Phillipsburg. Employment from these two sources was not noted for the male graduates of Enterprise. Local opportunities are shown again to be rather important factore in occupational choice.

The differences noted for the occupations followed by the girls is of little significance in view of the large percentage of the girls found in so few occupations.

A rather significant difference was found in the number that attended college from the two schools. The percentage of graduates attending college from Enterprise was much higher than that from Phillipsburg. Environes and four-tenths per cent of the total number of gradustate from Enterprise attended college, while only 28 per cent of those from Phillipsburg went to institutions of higher learning. It is observed again that this fact may in some may explain the larger percentage of sigration found among the graduates of Embarystse High School. The percentage of boys attending college is higher than that of the girls for both schools. Nore of the boys than the girls were found to have finished college in both cases. This seems to indicate that the high school is a finishing school for more of the girls than boys. In light of this fact special emphasis should be placed on the training offered for girls.

Differences of curricular distribution for the two high schools is shown in Figure 2.

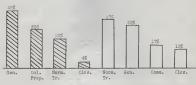


Figure 2. Curricular distribution of the graduates of the Enterprise and Phillipsburg High Schools

Enterprise
Phillipsburg

The differences noted in Figure 2 may in some may explain the difference in the anount of college attendance enough the graduates of the two schools. Definite college preparation was made by ES per cent of the graduates of Enterprise, while only 15 per cent of the Phillipsburg graduates took the Classical source which is the course offered for college preparation.

The General course was the most popular curriculum at Enterprise, while Horsal Training was followed by the largest percentage of the Phillipsburg graduates. The large percentage of the Phillipsburg graduates that took Horsal Training probably did so with the purpose of using this training to secure a position. As here been stated before, a large number of these graduates did use this training in their intermediate vocations. Two curricula are shown to be followed by well over helf of the graduates in each of the two echools. The General curriculum and the College Properatory are used most by the Enterprise students and the Morsal Training and General by the Phillipsburg students.

In view of the marrow limits of the curriculan offered, it is not surprising that very little relationship wes found between vocation and curriculum. Very few of the graduates in either school, outside of those was attended college, were found to have received training in high school which was for their opecific vocation. It is not the intention of the writer to imply that these graduates did not receive training which was of benefit to them in their vocations. This is far from the

truth. See of the high school subjects give training which is essential to success in any vocation. It is the contention of the uniter, however, that the high school by offering these subjects to which reference was just made plus vocational training in the fields selected by the largest percentages of their graduates, could be of more worth, both socially and economically.

CONCLUSIONS

- Migretion tendencies wary with the communities studied. The smaller of the two communities studied shows the greater amount of migration.
- The asount of migration seems to have little effect on the ultimate occupations of the graduates studied.
- 5. Migration may be the result of a lack of wocational opportunity in the local community.
- Slightly more than three-fourths of the female graduates studied went into homewaking.
- Three occupations, business, clerical, and farming, were followed by over fifty per cent of the male graduates studied.
- A variety of occupations, most of which require college training, are followed by a small per cent of the graduates, both male and female.

- Local variations seem to play a large part in the determination of vocations for high school graduatee.
- 8. In view of the larger percentage of college attendance found for the graduates of the Enterprise High School, geographical location would seem to play some part in the fixing of this percentage.
- 9. A large percentage of college attendance would seem to indicate a large amount of migration.
- 10. The percentage of high school graduates in each school studied attending college to large enough to justify a college preparatory curriculum, but too such such such as classed on this one curriculum.
 - 11. The high school students who attended college seemed to make a poor selection of curricula in light of their future needs.
- 12. High school etadente who expect to attend college should be properly instructed as to the requirements for college entrance and directed into the proper curriculum.
- 15. High school students who did not expect to attend college had very little opportunity of obtaining vocational training in any specific line while attending high school.
- 14. A larger percentage of the males studied one found to have attended college than that of the females; and a larger percentage of the males attending college received degrees than of the females.
- 15. Definite vocational curricula should be constructed for those students not expecting to attend college.

- 16. Very little basis for predicting college attendance was found in the curriculus followed.
- 17. With such narrow curricular limits very little relationship could be expected between vocation and curriculus.

18. The high schools give general training which is useful to e varying extent in all vocations.

- 10. In view of the small number of diffrrent vocations followed by the majority of the graduates of the high schools studied, appropriate curricular reorganisation to supply training for these vocations would not entail the insertion of numerous new curricula.
- 20. The adoption of vocational curricula would necessarily have to be preceded by the inetitution of e practical plan for vocational guidance.

ACKNOWLEDGMENT

Sincere thanks are offered to Dr. C. V. Williams, Kansac State College, for hie guidance in this study, and to those people who made necessary information available.

BIBLIOGRAPHY

- Anderson, Beatrice.
 Bose economics and the occupations of high school graduates.
 Jour. Hose Econ. 25: 772-775. Nov. 1955.
- (2) Barnard, Sunice. Against training for specific vocations. E. T. Timos, II 5: 5. Oct. 18, 1956.
- (3) Bogan, W. J. Fitting the student to a changing world. N. E. A. Proceedings 1935, 808-806.
- (4) Campbell, Harold G.

 Why a new school plan. H. Y. Times, (II) 4: Jul. 1, 1954.
- (5) Chriswell, M. Irving. Specialized high school curricula as preparation for occupations. School Review. 41: 56-59. Jan. 1955.
- (6) Clark, Earold F. and Withers, William. Morld wide survey of occupational interests. N. Y. Times 1952 (III):17 Jan. 24, 1952.
- (7) Graven, Elanor. The high school and unemployed youth. Jour. of N. E. A. 24: 19-20. Jan. 1935.
- (8) Dolch, S. W. Geographical and occupational distribution of graduates of a rural high school. School Review. 55: 413-421.
- (9) Gellagher, R. P. Courses and careers. 404 p. Hew York and London, Harper & Bros., 1950.
- (10) Hemlin, H. H. E. Residence in 1921 of Iowa High School graduates of 1921-1925.
- (11) Hill, Howard C.
 Occupational information and the curriculum.
 Vocational Guidance. 11: 258-262. Jan. 1932.

- (12) Koos, Leonard V. The high school graduats and the depression. School Review. 421 169-174. Mar. 1934.
- (13) Leech, Don R. Geographical distribution of high school graduates. School Review. 40: 51-54. Jan. 1932.
- (14) McClelland, J. B. Placement opportunities for all-day and part-time students of wocational agriculture. Ag. Ed. 9: 168, 169, May 1957. 9: 156-157, Apr. 1957.
- (15) Rutledge, Richard E. and Fowler, Allen. The changing senior high school population and the curriculum. School Review. 40: 109-114. Feb. 1982.
- (16) Saliebury, W. Seward. Experiment in adjusting the vocational curricula of a small high school to be productive of the higher values. Education, 55; 501-505. Apr. 1955.
- (17) Sloccabe, Charles. Boys and girls go to work. Occupations. 12: 45-47. Feb. 1, 1954.
- (18) Smothers, Homer I. and Hamlin, H. M. Occupational carsers of high school graduates. School Review. 40: 302-306. Apr. 1932.
- (19) Snedden, David. Education and training for the job. Voc. Guide. 11: 25-28. Oct. 1952.
- (20) Strong, Edward Kellogg. Job malysis and the curriculum. 146 p. Baltimore, Williams & Wilking, 1925.
- (21) Timble, W. H. What correlation is there between education and vocation. School and Society, 59: 810-815. June 25, 1954.
- (22) Young, J. L. Occupational distribution of high school graduates eccording to curriculus followed in high school. Agricultural Education. 5: 182, 192. June 1935.

APPENDIX

BASS	-		-				-				-	and of the section of	
Sint.		-	-	-	-	-	-		-	-	-	-	1
INTESTERO					The same of the sa						Salaman de la companya de la company		
MODELEGA		-									-		
MANAGEMENT													
SOMETH													
COLUMN DECKER							-						
DEGREE		-		-		-	-	-	-	-	-	-	

Sample of data sheet