## DOCUMENT RESUME

TITLE Northland Pioneer College Manpower Planning Resource
Document.

INSTITUTION Northland Pioneer Coll., Holbrook, Ariz.

PUB DATE Jan 74
NOTE 42p.

EDRS PRICE MF-\$0.75 HC-\$1.85 PLUS POSTAGE

DESCRIPTORS \*American Indians; Aspiration; Community Development;

Educational Opportunities: \*Junior Colleges;

Educational Opportunities: \*Junior Colleges;

\*Manpower Development; Minority Groups; \*Occupational

Surveys; Rural Education; Rural Population;

Unemployment: \*Vocational Education

IDENTIFIERS

Arizona: Navaho County

### ABSTRACT

Alternatives for occupational curricula at Northland Pioneer College are discussed in relation to Navaho County economic resources. Approximately 85 percent of the occupations in Navaho County do not require the baccalaureate degree and thus fall within the realm of community college educational responsibility. Because of the sparse population, the limited resources, the extreme distances between communities, and a lack of a center of population, the following recommendations are made: (1) learning centers should be established in several communities; (2) a core curriculum of information necessary in a variety of occupations should be developed; (3) specialized education should be organized so it may be taught in concentrated sessions; (4) cooperative education and shared facilities with high schools should be exploited; (5) the availability of educational opportunities to the people must be placed in high priority. Programs in business, automotive, heavy equipment maintenance, construction trades, and health must be offered. These recommendations are based on existing information on occupations and manpower needs in the county, white and nonwhite (Indian) population distribution, and a previous aspiration study of high school students. (Author/MJK)



## DEPARTMENT OF HEALTH.

E DUCATION & WELFARE

NATIONAL INSTITUTE OF

EDUCATION

ITHOUS COME NOT HAD BEEN REPRO

COUT OF TAKE IT HAD BEEN REPRO

OUT OF TAKE IT HAD BEEN REPRE

OUT OF THE TOTAL OF COME IN THE PRE

OUT OF THE TAKE IN THE T

### NORTHLAND PIONEER COLLEGE MANPOWER PLANNING RESOURCE DOCUMENT DECEMBER 1973

JANUARY 1974 YINUOO OLAVAN ARIZONA



### December 6, 1973

Mr. Edwin Sorensen, President Northland Pioneer College P.O. Box 358 Holbrook, Arizona 86025

### President Sorensen:

In accordance with your request of August 15, 1973, I submit the Manpower Planning Resource Document. This information is made available for steering committees, faculty, and interested students for use in future planning.

If this document is to be used effectively, it must be continually updated and improved.

Sincerely,

Gordon L. Snowbarger

Coordinator of Community Resources

I new line ger

GLS: SW



## TABLE OF CONTENTS

		Page	
	Introduction	iv	
1111	Navajo County, its History and Statistics as they  Pertain to Manpower Planning	•	
· · · · · · · · · · · · · · · · · · ·	Navajo County Populatior - Table I	2	1 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
TO TE	Demographic Analysis of College District	3	
i %	Navajo County School Enrollment Figures for 1973	3	: 
	Major Challenges	3	
•	Navajo County Projected Employment by Industrial Classification - Table II	4	
	Income Distribution - Table III	7	
\	Goals for Northland Pioneer College	7	
ļ	Alternatives for Occupational Education Opportunities in Navajo County	8	
Ì	Recommendations	12	
\ \	Total Employment by OccupationExhibit "A"	14	
ì	Detailed List of Businesses in Navajo and Apache CountiesExhibit "B"	19	
	General Population of the College District by - White and Non-WhiteExhibit "C"	24	
	Buşiness Establishments and Employment in ArizonaExhibit "D"	<b>2</b> 5,	
	County Employment by Industry in ArizonaExhibit "D"	26	
	Employment Totals by Sex and Age DistributionExhibit """	27	
	Educational Aspirations - Navajo County High School Students - 1973Exhibit "F"	28	
	Northland Fioneer College - 1973 - 74 Survey of Community InterestExhibit "G"	32	
	BIBLIOGRAPHY	37	



### INTRODUCTION

The purpose of this report is to consider NPC's responsibility to Navajo County for human resource development. Existing information from secondary sources has been compiled and synthesized for use by Northland Pioneer College planners in building curriculum and programs.

This study will be an ongoing plan and new information will be added as it is available. One primary resource document used to obtain information for this study is a Student Needs Questionnaire submitted to all Navajo and Apache County High School Students during Fall of 1973. Other primary studies will be made or are under consideration at this time for the purpose of studying employer needs, desires and opinions.

An attempt has been made to relate History, Statistics and Projections for Navajo County into a comprehensive plan for Northland Pioneer College for the Davelopment of Human Resources.



### NORTHLAND PIONEER COLLEGE MANPOWER PLANNING RESOURCE DOCUMENT

### Navajo County, its History and Statistics as they Pertain to Navajo County, its Manpower Planning

Navajo County is a rural county located in the Northeast Section of Arizona. The county is 40 to 50 miles wide and 225 miles long. Because of the primitive roads on the Indian reservations and the mountainous and desert terrain that make up Navajo County, it is necessary to travel over 300 miles to reach one end of the county from the other end of the county. Almost 70% of Navajo County has been designated as Indian reservation land. In the 18% of the privately owned land there are 17 small communities; Winslow, Joseph City, Holbrook, Snowflake, Taylor, Heber, Show Low, Lakeside, Pinetop, Overgaard, Clay Springs, Aripine, Pinedale, Linden, Shumway, Woodruff and Sun Valley. The population of each of these communities is shown in Table I. See Page 2.

> Current employment in Navajo County is 13,350. The number of people employed in the respective occupations can be examined in Exhibit "A".

The Community College has traditionally served society by offering education and training in those occupations requiring less than a baccalaureate degree. According to the figures in Exhibit "A" approximately 85% of the occupations in Navajo County do not require the baccalaureate degree and thus fall within the realm of community college educational responsibility.

Occupational categories that require the attention of Northland Pioneer College would be the following:

- Retail Managers and Sales Occupations 14% of the people employed in the county are employed in this category. If we eliminate the professional people, this means that 20% of all of the occupations within the community college responsibility fall in this category.
- Automotive and Mechanical Approximately 3% or 360 of the counties' employed persons work in this area.
- Service Related Occupations, Cleaning, Food and Health Nearly 1,200 people are employed in this area representing 11% of the occupations in the community college area of responsibility.
- Office and Clerical Occupations 1,517 people are employed in these occupations representing over 16% of the employed people in the area of community college responsibility.
- Construction and Craftsmen 619 people are employed in this area representing 6% of the employed people in the area of community college responsibility.



TABLE I

POPULATION - NAVAJO COUNTY :Off Reservation) N/A N/A N/A 1972 N/A 8,009 230 50 175 50 50 100 1,905 125 140 888 096 4,759 1,977 8,066 800 2,129 1970 Pinetop-Lakeside Clay Springs Joseph City Sun Valley Overgaard Snowflake Pinedale Woodruff Show Low Holbrook Aripine Shumway W:nslow Linden Taylor нерек

4,944

Total Population Estimate of Navajo County



Transportation, Equipment and Operatives - 524 are employed representing almost 7% of the community college area responsibility. (Employment projections by Industrial Classification can be examined in Table II, Page 4)

In order to determine the exact job titles and the skills necessary for those jobs, a needs study will have to be undertaken within each of the communities. As of the time of writing of this report a process has been identified through which this can take place and is hoped that by Fall of 1974 this information will be available.

A detailed list of the number and types of businesses can be found in Exhibit "B".

### Demographic Analysis of College District

School enrollment is on the increase in all grades in Navajo County. The enrollment figures for 1973 are as follows:

12th	11th	10th	9th
<u>Grade</u>	<u>Grade</u>	<u>Grade</u>	<u>Grade</u>
774	849	1007	1157

New school facilities are under construction in Lakeside-Pinetop and Joseph City.

The general population estimate of the College District by white and non-white can be found in Exhibit "C". This Exhibit also shows the breakdown by Age Distribution.

### Major Challenges

The following represents several of the challenges that Northland Pioneer College must face in establishing a Manpower Development Program that will serve the needs of the people of Navajo County.

- 1. Navajo County is a rural county. There is no center of dense population. The county has 5.5 people per square mile. The various occupational opportunities are scattered throughout the county. Exhibit "B" shows the detailed list of businesses. The number of people in each kind of occupation are few. Programs designed to train large numbers of people with specific skills would not be able to offer employment as a payoff for enrolling in the training program. Travel between the many points in Navajo County is a way of life and is complicated by poor and often impassable roads. The weather conditions during the winter often prevent travel.
- 2. There is a lack of educational opportunity. Although it has been reported that 50% of the high school graduates attempt a



•	•		TABLE	H		<u>.</u>	• 1		
•		•	NAVAJO C	COUNTY					
		Ġ.	PROJECTED E	EMPLOYMENT					
			BY			•			
		INDUS	INDUSTRIAL CLA	CLASSIFICATION	* CN	*	*	*	
	1970	1971	1972	1973	1974	1975	1976	1977	
dan facturing	1638	1225	1200	1236	1236	1317	1317	1328	
Mining	101	175	ı	200	200	200	200	500	
Jontract Con- struction	866	.475	009	099	1175	1500	1700	1800	
Transportation	1500	1375	1400	1442	1445	1530	1580	1627	
Wholesale and Retail	2238	2000	2175	2284	2398	2518	2644	2776	
Finance, Ins., & Weal Estate	221	290	I	206	212	218	224	230	
Services	1607	2100	2725	3155	3344	3511	3616	3725	
Government	2632	3250	3475	3553	3766	3916	4073	4236	
Ayriculture	452	225	200	200	200	215	220	0 7 7	
Other Non Agriculture	229	1100	1125	1130	1135	1200	1200	1205	
Not Classified	237	ı	450	ţ	i	ı	1		
TOTAL Employment	11853	12125	13350	14066	15111	16125	16774	17367	
Increase		.02	.10	.05	.07	.07	.04	40	A Company of the Comp
Projected						٠			

Projected

post-secondary educational experience, a study of high school seniors indicated that only 29% planned to continue their education at a four year college or university and 37% indicate they do not plan any further schooling, or the postponement of further schooling, for a few years. This means that there is a potential of 71% of the high school population who could profit from community college experience.

3. The job market in Navajo County is characterized by many small independent businesses each employing from one to seven people, see Exhibit "D". A large variety of job knowledge and skills is required in order to serve all of these occupations. The major employer in Navajo County is Government, employing 26.8% of the labor force. The Wholesale, Retail, Finance, and Services sector employ 35.5% of the labor force. Public Utilities, Transportation and Communications employ 11.3% and Manufacturing in Navajo County employs 10.1% of the labor force.

A list of the larger employers in Navajo County would include the following:

Santa Fe Railroad
The BVD Company (Apparel Industry)
Duke City Lumber Company
Arizona Public Service
Southwest Forest Industries
Sitgreaves National Forest
Western Pine Sales, Inc. (Lumber)
Western States Telephone Company, Inc.
Local and City Government
Public Schools of Navajo County
Fort Apache Timber Company
Three (3) Area Hospitals
United States Government
Navopache Electric Cooperative

When we add the major employers to the many small businesses and firms, we find that the job market in Navajo County is quite diversified. Education and training in a few specialized areas would soon saturate the job market for that particular occupational skill.

- 4. 12.3% of the original enrollees in 9th, 10th, 11th and 12th grades in 1972-73 withdrew prior to the end of the school year and did not re-enter. If present trends hold, 462 of the 1157 9th graders will drop out prior to graduating as seniors in 1976. According to a Northern Arizona Council of Government's Report, 58% of the adults over 25 years of age in Navajo County have less than a high school education.
- 5. There are three Indian tribes living on reservations in Navajo County: Apache, Hopi and Navajo. 49% of the population or



22,948 are indian. Indian Minpower Development is different.

The Indian people have lived primarily on a subsistence economy characterized by low capital investment, do it yourself methods, and low levels of productivity. A money economy puts a high premium on managerial skill, proficiency in-using capital and labor, and ambition to get alread. People who must shift from one economy to another must go through a marked change in values.

t on the standard of the stand

Some of the cultural patterns of the Indians cause difficulties that Manpower Planners must take into account. Income sharing by families is present on almost all Arizona reservations. Whenever members of an extended family unit have income, they share it. Relatives with no income will move in with relatives who have income. Because of this practice, it is difficult to get Indians to work in an unsheltered labor market.

Previous dominant Federal Policy has been to educate locates to get them off the reservations and into the American Mainstream. This policy has tailed. The new emphasis is to bring industry to the reservation and allow the Indians to ramain at home.

The unemployment rate on the Apache Reservation is over 50%, but only 3.4% of the indians are actually looking for work. This situation also exists on the other two reservations.

- 6. Travel Requirements are a major challenge. As previously reported, Navajo County is a long narrow county and many areas of the county cannot be reached without going through other Arizona counties. From Alchesay High School at Whiteriver to Monument Valley High School in Kayenta, one would have to travel over 300 miles. Approximately 80 of these miles would be outside of Navajo County.
- 7. Family income deficiencies create another challenge. The Median Family Income of Navajo County Families is \$6,849.00 compared to a State Median Family Income of \$9,187.00. Because of the vast geographical area and the spreading out of many small firms, it is difficult for more than one family member to obtain a job in any one particular community. In families where more than one person works, it is common for at least one of the working members of the family to drive several miles to neighboring communities in order to find employment. 32% of the families in Navajo County have incomes at or below the poverty level. 26% of those families have incomes less than 75% of the poverty income amount. The family income comparisons for Navajo County and the State of Arizona are indicated in the following Table.

### TABLE III

and the state of the state of the second of the second second of the sec

	NAVAJO	COUNTY	STATE OF	ARIZONA
Amount	Number of Families	of Total	Number of Families	of Total
0 - 3000	2530	26%	46,810	118
3001 - 6000	1764	18%	74,184	178
6001 -10,000	2491	26%	122,657	28%
10,001 -15,000	2026	21%	113,236	26%
Over -15,000	927 9738	9% 100%	81,502 438,389	188 1008
Median Fam:	ily Income	\$6,849		. \$9,187

The unemployment rate in Navajo County is 4.5%. This figure, however, is misleading when you look at the unemployment rate of young people between the ages of 16 and 24. Over 80% of unemployed fall within this age bracket.

With the number of young people who are dropping out of high school and those who do not plan on continuing with a postsecondary educational experience, the unemployment of the young people in Navajo County becomes a major challenge.

The total employed men and women in Navajo County is 13,350, see Exhibit "E". This Exhibit also shows the total unemployed by Age Distribution.

Since 48.2% of the population is Indian, we must take a close look at the Indian unemployment rate which runs considerably higher than the reported rate for the county. Unemployment on the reservations is between 35% and 65% depending on which reservation and what area of the reservation is being studied. Many of these people are never reported as being unemployed since they are not seeking employment. Most of these people would work, however, if jobs were available in locations convenient for them.

### Goals for Northland Pioneer College

To provide the opportunity for vocational/technical and semiprofessional programs for students now employed or who are contemplating employment in business, government or industry, upon completion of their work at Northland Pioneer College.



- 2. To provide the program of university parallel courses acceptable at universities in Arizona for a transfer to a maximum of 64 semester hours.
- 3. To provide the opportunity for continuing education for the people of Navajo County.
- To provide enrichment programs which will be preparatory or supplemental to employment for people with special needs. 4. To provide enrichment programs which will be preparatory or

### Alternatives for Occupational Education Opportunities in Navajo County

To offer classes in every occupational category of employed people in Navajo County.

### Advantages:

- This would insure educational opportunity for all employed persons in Navajo County.
- (2) This alternative will enable young adults and employed persons to receive education and training in the actual Navajo County Occupational Categories.
- A variety of occupational choices for potential students would be assured.

### Disadvantages:

- Some occupations are declining in job opportunity. (1)
- Opportunities in many categories are limited. (2)
- The cost of providing extensive offerings would be exor-(3) bitant because of the small classes in many locations and the need of many specialists.
- Some job categories are out of the realm of the community (4) college educational effort.
- To offer vocational/technical programs not available in other II. community colleges in Arizona.

### Advantages:

- This would offer programs to people of other counties in the State of Arizona for opportunities not currently available to them.
- There would be no competition for students in each of these (2) programs as Northland Pioneer College would be the only college offering the said program.



- (3) Employment opportunities would be inhanced because of the lack of training throughout the rest of the State.
- (4) These programs would be easy to sell to Manpower Planners at the State and National level due to the fact that training opportunities are not available in other locations.

### <u>Disadvantages:</u>

- (1) This alternative would limit the opportunity of local people to attend school in their local community if they wanted programs currently differed by other community colleges.
  - (2) This alternative would not serve the employment needs of local industry, except on a minute basis.
  - (3) Local tax money would be expended to train people for jobs in other parts of the state and nation.
  - III. To offer vocational/technical education in occupations desired by potential students.

### Advantages:

- (1) Student recruitment problems would be reduced in that all programs desired by students would be offered at Northland Pioneer College.
- (2) Local patron satisfaction would be enhanced by being able to find the programs desired in the immediate area.
- (3) Program decision making would be easy on the part of planners. Programs offered would be based on the popularity indicated by potential students.

### Disadvantages:

- (1) Job opportunities may not be available in job categories popular with prospective students.
- (2) Many of the popular choices of students are popular because of the lack of career information possessed by prospective students.
- (3) The more glamorous programs would receive the most emphasis on the part of students and the community college and would be unrealistic relative to occupational needs.
- IV. To offer occupational programs desired by local industries to supplement local Manpower Deficiencies.



### Advantages:

- (1) The job market would be a realistic one.
- (2) Local business and industry support would be mavorable.
  - (3) The program would serve local industrial needs and would further emphasize the localized reason for the college's existence.

### Disadvantages:

- (1) Local industries often exaggerate local needs.
- (2) Local needs are sometimes in the area of the lower pard, lower status occupations not absolutely needing the education and training offered by a community college.
- (3) Local needs and Manpower Deficiencies are often not balanced with prospective student needs, therefore, are unrealistic in the eyes of prospective students.
- V. To offer programs and classes in job cluster area to be determined by a consensus of input from potential students, lay advisory groups, and professional educators.

### Advantages:

- (1) This will increase the flexibility of the opportunities available to students upon completion of their programs at Northland Pioneer College.
- (2) The student completing a program will have skills general enough to be used either in Navajo County or other parts of the state as he or she desires.
- (3) This alternative provides for a balance of program effort based upon the input of several groups.

### Disadvantages:

- (1) Students will not have the skill level possible in a highly specialized program.
- (2) The programs will not always relate to student and industry desires.
- (3) Recruitment of potential students and selling of the graduates become vital functions in order to make the program work.



- (4) This alternative assumes that some career education has taken place.
- VI. To offer all vocational/technical occupational programs on one campus centrally located in Navajo County.

### Advantages:

- (1) The administration of such an institution would be a simple process.
- (2) Decisions regarding facilities would be easily based upon need and program selection.
- (3) Potential students would be assured that programs would be offered at one location and that adequate facilities would be available.
- (4) All traditional concepts of post-secondary community college education could be implemented.

### Disadvantages:

- (1) The population in Navajo County is spread out to an extent that it would require the majority of students to travel to the central campus.
- (2) Tax payers at each end of the tax paying county would be opposed to paying for buildings and facilities located away from their own community.
- (3) Studies have predicted the growth pattern to be in the southern part of the county and that growth is expected to be 150% or larger, however, growth patterns in the northern part of the county are predicted to be 50% and the reasons for that growth are not completely understood or defined at this time.
- (4) There is a continued trend in all community colleges towards off campus enrollment.
- VII. To offer all vocational/technical programs in all communities in Navajo County.

### Advantages:

- (1) This alternative will bring educational opportunity to the people.
- (2) Fewer people will be required to travel and thus current and projected energy and fuel shortages will create less inconvenience on the part of potential students.



- - (4) Potential and unpredictable growth patterns will be more abley taken care of through the expansion of existing "minicenters".

### Disadvantages:

- (1) The traditional concept of the community college campus atmosphere may be reduced.
- (2) Scheduling of programs and classes will be complicated.
- (3) Classes will be smaller requiring increased costs for instruction.
- (4) Faculty will be required to travel.

### Recommendations

Because of the sparse population, the limited resources, the extreme distances between communities, and a lack of a center of population density in Navajo County, the following recommendations are made.

- 1. Many learning centers should be established in several communities. These "mini centers" should be allowed to grow with the need and the use demonstrated in each community.
- 2. Curriculum should be developed that would represent a core of information necessary in a variety of occupations. This is necessary to add flexibility to the program completor's job possibilities as well as to economize on the cost of the course offerings.
- 3. Specialized education and training should be organized so that it can be taught in concentrated sessions. Mobile labs should be used wherever possible to bring the instruction to each community for blocks of time during each session. Where mobile labs are not feasible, laboratory classes should be scheduled so that travel is held at a minimum. Students should not be expected to travel over 30 miles one way, more than two times per week. Six to eight hour lab sessions could reduce this travel to one trip per week.
- 4. The "mini center concept" raises problems for laboratory classes that can be partially overcome by developing a quality cooperative education program. Full utilization of each community's facilities can be gained with this approach.



- 3. Attempts should be made to get increased use of high school inberatory facilities. College labs could be scheduled in late afternoon and evening hours. College students will have to adjust to these hours if duplication of laboratory facilities is to be avoided. Agreements for joint use must be established between college and high school governing boards.
- in other counties must take place. The availability of educational opportunity to the people of Navajo County must be placed as a high priority. Programs in business, automotive, heavy equipment maintenance, construction trades, and health must be offered.
- 7. Smaller class sizes can be expected with the "mini center concept". The increased costs resulting from class size must be measured against the savings and benefits related to student travel, facility construction, increased educational availability, and community pride.
- 8. Follow-up and Evaluation of product and impact of occupational programs at Northland Pioneer College must be established on a continuing basis. Graduates and program completors must be measured against community need and community demands on a bimonthly basis. The job slots are limited and varied to the extent that immediate modification in student programs must be possible.



0267

OCCUPATION

COS THE Total employed 16 years and and over:

An official fraction of the respective for the second of t

Professional, technical, and kindred workers

Engineers

Physicians, dentists, and related practitioners

Health workers, except practitions's Teachers, elementary and secondary schools

Technicians, except health

Other professional workers

ST CO

(45) (41) 414

क्षा क्षा क्षा क्षा १० क्षा क्षा क्षा देव

60 10 cm

Managers and administrators, except form Manufacturing Salaried:

Retail trade

Other industries

Self-employed: Retail trade

Other industries

Sales workers

Retail trade

Other than retail trade

Clerical and kindred workers

00 - 1 PP 14 Fm Lm 15 FM 15 FM

(1) (4) (4)

(C)

(1) (1) (1) CTO CTO

Automobile mechanics, including body repairmen Craftsmen, foremen, and kindred workers

Mechanics and repairmen, except automobile

Metal craftsmen, except mechanics

Construction craftsmen

Other craftsmen

Operatives, except transport

Nondurable goods manufacturing Durable goods manufacturing

Transport equipment operatives Nonmanufacturing industries

Laborers, except farm

Construction laborers

Other laborers, except farm

Farmers and farm managers

Freight, stock, and material handlers Farm laborers and farm foremen

(1) (1) (1) (1) (1) (1) (1) (1)

4 6 0 7 6 6 6 8 6 6

ा हम रहा भर्म की शहरा पर रहा देश हम लई एक स्था रहा हम रहा भर्म की शहरा

\$ 14 15 15 1 15 15 17 17 1

BENEFA BENEFA BENEFA

1,160

0 m m

12 to 12 to

MARKARIA MARKARIA MARKARIA

Female employed, 16 years old and over:

Protective service workers

Private household workers

Personal service workers

Health service workers

Food service workers

Professional, technical; and kindred workers

He alth workers, except nurses

Teal hers, elementary and secondary schools Technicians, except health

Other professional workers

Manayers and administrators, except farm

Sales workers

Retail trade

Clerical and kindred workers Other than retail trade

Secretaries, stenographers, and typists Bookkeepers

Craftsmen, foremen, and kindred workers Other clerical workers

Durable goods manufacturing Operatives, except transport

Nondurable goods manufacturing Transport equipment operatives Wonmanufacturing industries

Laborers, except farm

Farm laborers and farm foremen Farmers and farm managers

Service workers, except private household Cleaning service workers

Health Service workers Food service workers

20 (15)

Service workers, except private household

Cleaning service workers

6-1 -3-

Protective service workers Personal service workers Private household workers Total Male employed 14 and 15 years old

Service workers, including private household White-collar workers Blue-collar workers Farm workers

Female employed, 14 and 15 years old:

Service workers, except private household Private household workers White-collar workers Blue-Collar workers Farm workers

### INDUSTRY

Employed 16 years old and over:

•

Agriculture, forestry, and fisheries Manufacturing Construction Mining

Muchinery, except electrical Electrical machinery, equipment, and supplies Furniture and lumber and wood products Metal Industries

Textiles and fabricated textile products Food and kindred products Transportation equipment Other durable goods

Other nondurable goods (incl. not specified mfg. indus) Chemicals and allied products

Printing, publishing, and allied industries

e4 pri Cir

MO TOM

60

ちてもちちょうちょうちょうちょうちょうちょうちょうちょうちょうちょうしょう

Tellroade indiralway express service Trucking service and warehousing Miner trinsportation Tournal-ations Tellities ind sanitary services The trade Touch, bakery, and dairy stores Tating and drinking places	Frontal merchandise retailing and service stations  Live effort trade  Janking and credit agencies  Listance. Teal estate, and other finance  Jusiness and repair services  Troat personal services  Their personal services  Adelfore, and miscellaneous professional services  Public comministration
Trucking Tru	Seneral Senera

THE THE SERVICE THE SERVICE THE SERVICE SERVIC

# Smpleyed, 14 and 15 years old:

Agriculture Nonadriculture industries

Male employed, 16 years old and over:

wormenture, forestry, and fisheries Wining

Manufacturing Fumber and wood products



Other nondurable goods (incl. not specified mfg.

Communications, utilities, and sanitary

Transportation

Textiles and fabricated textile products Printing, publishing, and allied industries

Food and kindred products

Machinery, including electrical

Metal industries

Transportation equipment

Other durable goods

services

288 021 184

275

86

government private Elementury, secondary schools, and colleges Elementary, secondary schools, and colleges Health services, including hospitals

Other professional and related services Other education and kindred services

Public administration

Male employed, 14 and 15 years old:

Agriculture

Nonagriculture industries

(18)

Entertainment and recreation services

Finance, insurance, and real estate

Business and repair services

Personal services

Food, bakery, and dairy products

Wholesale trade

Eating and drinking places

Other retail trade

, ,

### EXHIBIT "B"

### NAVAJO AND APACHE COUNTIES

### DETAILED LIST OF BUSINESSES

	NAVAJO COUNTY	APACHE COUNTY
Accountants (Certified)	5	
Accountants (Public)	6	1
Adjusters	2	
Air Conditioning Contrs.		
Air Conditioning - Repair	4 3	
Aircraft Charter	ī	1
Air Line Companies	ī	
Ambulance Service	2	
Mortuarys	ī	1
Office Supply	<u>ī</u>	1 1.
Antique Dealers		.~
Art Galleries	4 3 1	
Artists' Materials & Supplies	ī	
Asphalt & Asphalt Products	ī	
Attorneys	13	1
Auto-Body	13	1 2
Auto-Dealers	16	3
Auto-Dealers (Used)	3	-
Auto-Electric Equipment	ĭ	
Auto Supplies (New)	10	5
Auto-Wreckers	4	· ĭ
	3	-
Auto-Leasing	28	6
Auto-Repair	4	•
Bakers	9	2
Banks		4
Beauty Salons	26	4
Bookkeeping Service	2 3	
Brake Service	8	1
Building Contrs.	9 7	1
Building Supply (Lmbr. Supply)	, e	•
Bus Lines	5 2	
Cabinet Makers	2	
Camper Sales		1
Campgrounds	5	1
Camps	7	7
Carpet - Rug Dealers	<b>,</b>	*
'Cement - Retail	7	1
Child Care Centers	2	1
Ceramic Products	2 3	1
Chamber of Commerce		1
Chiropractors	7	.1
Church Organizations		*1
Churches	66	7
Cinders	3	

(19)

	NAVAJO COUNTY	APACHE COUNTY
Cleanors .	8	1
Clinics	12	_
Clubs	5	
Cochadil Lounges	15	2
Condrete Products	10	1
Constate - Ready Mix	1	
Credit Unions	3	•
Curros	10	
Dairies	5 3 1 2 2	
Dairy Products - Retail	3	
Dairy Products - Wholesale	1.	
Data Processing Service	.2	
Day Nurseries		2
Dentists (Outbolooks to)	1.4	2
Dentists (Orthodontists)	1	1
Department Stores	14	1
Dog & Cat Grooming Dormitories	1 2	
Dry Wali	2 1 2	
Electric Appliances - Major	2	
Electric Contractors	12	1
Electric Light & Power Companie		1 1
Employment Agencies	2	_
Engineers - Agricultural	ī	
Engineers - Civil	2 1 2 3	
Engineers - Consulting	3 .	·
Engineers - Photogrammetric		
(Out of Phoenix)		
Escrow Service	4	_
Excavating Contractors	8	3
Exterminating & Fumigating	2	
Fabric Shops	4	2
Feed Dealers	13	2
Fence Co.	1	
Financing	1	5
Fire Depts. Florists	10 5	1
Fraternal Organizations	8	*
Funeral Directors	1	
Garbage Collection	1	
Gas Co.	2	
Gas - Liquefied Petroleum	_	
(Bottled and Bulk)	4	2
American Oil Products		
(Gasoline - Wholesale)	4	2
General Contractors	25	3
General Merchandise (Retail)	5	1

	NAVAJO COUNTY	APACHE COUNTY
		en e
Gut Shops	8	1
Glass - Auto, Plate, Window, E	tc. 4	
Grovers - Retail	36	8
Hardware - Retail	3	
Heating Contractors	5	
Heating Squipment	4	
Hospitals	4 ·	1
Hotels	15	
Humane Societies	1	
Insurance	36	4
	ì	•
Janitors' Supplies	6	1
Jewelers	2	•
Kennels	2	.,
Labor Organizations	<del>-</del>	<b>-</b>
Ready to Wear (Ladies)	10	1
Laundries	5	T
Laundries (Self Service)	10	3
Lawyers	4	
Lipraries	4	
Liquors	10	
Lenses	1	
Linen Supply Service	1	
Linoleum Dealers	1	
Loans	4	
Locksmiths	4 3	
Lumber Supplies (Retail)	13	3
Machine Shops	3	
Mail Order Distributors	4	1
Mason Contrs.	1	
Medical Clinics	ī	
Men's Clothing	, 2	
Missions	<u> </u>	
Mobile Home Dealers	4 8	1
Mobile Home Parks	17	5
	1	-
Mortgages	83	15
Motels	2	23
Motorcycles	5	1
Moving & Storage	1	<b>.</b>
Museums	1	1
Musical Instruments - Dealers	1	*
Musical Instruments - Repairing	ig l	
Newspapers	7	
Notaries (Public)	4	
Office Supplies	1	
Oil Markoters	11	4
Optometrists - O.D.	7	
Paint (Retail)	8	
Painting Contractors	13	1
Parks	1	
Paving Contractors	3	
•		



	NAVAJO COUNTY	APACHE COUNTY
Pest Control	2	
Pet Shops	Ī.	
Phacmacles	8	1.
Photographers	2	
Physicians & Surgeons, M.D.	12	3
Fipe Cutting & Threading	1	_
Pipe Line Contractors		
Pigga Restaurants	1 3	
Plumbing Contractors	8	
Plumbing - Drain & Sewer Clean		
Plumbing - Fixtures & Supplies		
(New-Retail)	3	1.
Police Depts.	9	
Poultry Equipment & Supplies	ĺ	·
Printers		
Pumps	5	
Radio Service	6 5 3	1.
Radio Stations	4	<b></b> -
Railroads	4	
Ranches	6	6
Real Estate	46	6
Recreation Centers		· ·
Real Estate Developers	<b>3</b>	1
Refrigeration Service	2	-
Refrigerators & Freezer Service	1 3 2 es 6 1	ı
Remodeling Contractors	1	-
Resorts	28	18
Rest Homes	2	20
Restaurants	53	7
Road Building Contractors	3	•
Road Service (Automotive)	9	
Rock Shops	2	1
Roofing Contractors	2 1	-
Roofing Materials	ī	
Safes and Vaults	ī	
Savings and Loan Associations	ī	
Sand and Gravel	6	
Sanitation Service	J	1
Saws	2	_
Sawmills	ī	2
Schools	13	6
Septic Tanks (Service)	5	3
Septic Tank (Cleaning)	5	-
Service Stations	103	18
Sewing Machine Centers		
Sheet Metal Work	2	
Shoe Repairing	3	1
Shoes (Retail)	1	-
Sign Companies	5 2 3 1 3	
Silversmiths	i	
DIE VOEDMECHD		

			•
e di e E di Hogan		NAVAJO COUNTY	APACHE COUNTY
	Skiing Resorts	<b>1</b>	
	Snow Vehicles	4	
	Social Service Organizations	2	_
	Sporting Goods - Retail Surveyors - Land	5 2	6
	Surveyors - Land		1
•	Taverns	8	2
	Tax Return Preparation	7	
	Taxicabs	2	
•	Taxidermists	2	
	Telegraph Companies	1	
	Western States Telephone Co.		•
•	(Communities Served)	7	4
	Television CATV Companies		
	(Offices)	2	_
•	Television Dealers	2	2
	Television Service	7	2
	Theatres	4	1
	Tire Dealers	19	5
	Title Companies	1	1
	Trading Posts	13	_
	Truck Dealers	4	4
	Upholsters	5	1
	Variety Stores	5	1.
	Veterinarians D.V.M.	2	1
	Water Companies	3	_
	Water Well Drilling	4	1
	Welding	6	_
	Wrecker Service	16	3



# EXHIBIT "C"

College District by - White and Non-white	m	Þ
District by - Wh	July 1, 1973	NAME OF SHORES
Population of the		
General		

	πI	14)		144 145 145
មិល (ក្រុម ប្រាស់) ស្រាប់ (ក្រុម ប្រាស់) ស្រាប់ (ក្រុម ប្រាស់)	Form of	2,8%0		001-0
	a <b>1</b>			<b>C4</b>
	Other	Less that		301
	cr l	b-e-4 br <sub>ind</sub>		2.2
	Negro	400	· u	1,200
COUNT	<b>ය</b> ා	74.7	COUNT	48.2
APACHE COUNTY	Indian	75.7 28,000	NAVAJO COUNTY	26,100
	e0	75.7		9.09
	Total	28,400		27,400 50.6 26,100
	σ <i>9</i>	24.3		49.4
	White	9,100 24.3		54,100 26,700 49.4
•	All	37,500		54,100

Distribution:
Age
ňq
District
College
the
of
Population
General

1) 16 through 21 years	(2) 22 through 44 years	3) 45 years and over

EXHIBIT "D"

BUSINESS ESTABLISHMENTS AND EMPLOYMENT IN ARIZONA

·	<u>County</u>	Esta	er of blish- nts	Number Employ		Average Em- ployment Per Establishment
(A)	Apache	2	10	4,309		21
(B)	Navajo	6	o t	6,266		10
(C)	State To	tal 32,2	49	502,991		16
•	<u>N</u>	umber of Est	ablishment	s by Employm	ent-Size Cla	ss
	1-7	8-19	20-49	50-99	100-499	500 & More
(A)	133	46	15	9	5	2
(B)	436	106	42 ·	9	7	1
(C)	22,089	5,944	2,700	876	553	87
	County	Agricul- ture & Forestry	Mining	Contract Construc- tion	Manu- facturing	Trans- portation & Utilities
(A)	Apache	1	2	13	17	7
(B)	Navajo	2	5	48	30	33
(C)	State Total	418	139	3,316	1,729	840
	Whole- sale Trade	Retail Trade	Fina Ins. R.	&	ervices	Unclassified
(A)	9	84		10	63	4
(B)	23	266		27	163	4
· (C)	2,390	9,009	2,8	07	10,285	1,316

### EXHIBIT "D" (PAGE 2) COUNTY EMPLOYMENT BY INDUSTRY IN ARIZONA

	Comty	Agricul- ture & Forestry	Minang	Contract Construc- tion	Manufac- turing	Trans- portation & Utilities
fer:	hpache	W	W	58	621	259
· 35	Navajo	W	W	346	1,286	487
142	Total	3,341	20,450	51,213	94,167	27,002
	Whole- sale Trade	Retail <u>Trade</u>		Finance Ins. & R. E.	Services	Unclassified
(A)	59	692		117	2,459	w .
(B)	334	1,941		225	1,516	W
(C)	29,982	121,713		39,428	109,051	6,608

EXMIN. 2 16"

1972

		NAVA IC COUNTY	AVACUE COUNTY
<b>.</b> .	Comployment retal	65,950	8,475
	Total to say suped	9₹ <b>9</b>	456
	Mary - 16 Years and Cidor	393	N/A
	fundle - ib books and cides	232	N/A
	dale - 16 to 21 Years	348	N/A



# EXHIBIS "F"

	Sen Jun Sop	eniors uniors ophomores reshmen	827 871 726 892				
	Ē.	TOTAL	3316				
	Ω1	SENTORS		an	JUNIORS	ALL	STUDENTS
	No.	Per ce	cent N	No.	Per cent	o Z	Per cent
Do not plan further schooling,	<b>&amp;</b>	10	11	y		0	(N)
Expect to postpone education, Will continue education.	212 529	6.0	20 54	\$ 0 \$ 0	et m Cu vo	17 00 14 12 04 14 14	ल्य <b>८</b> १ ८४ <b>८१</b>
If continuing, will attend:							
Vocational/technical school,	108	(Y) #4	6	Ç,	84) 84	CN.	
Northland Ploneer College,	116	14	.91	1	ਹੈ. ਵਜੋ	621	<b>ं</b> लं
University or college.	238	53	25	0		<b>v</b>	
Would prefer commuting,	329	40	32	í~	@) (*)	S	
Would not commute.	338	<b>~</b> 1	m	it)	ণৌ <b>শ্ব</b> ণ	មា មា កា	r-i <b>S</b> i
Would attend college in home	C	•				•	
Would not attend college in	5 <b>0 5</b>	강 강	27	ñ	4	が で) さ <sup>1</sup>	<b>'</b>
	270	33	27	9	eq <b>m</b>	1075	현 취
Would enroll in university parallel at NPC.	121	2	brz 4.2	ڻ. نا	<b>(*</b> *	¢.	<b>(</b>
ಡ	1					<b>;</b>	<b>!</b>
Animal Science	3.4	4	វ		۸6	( ) ( )	ţ.
חז ו	17	. ~		េវ	. N	72	·N
Agricultural Production	24	m	64		ĈV	(f) (5)	m

ERIC

Full Text Provided by ERIC

						- :
	शि	SENIORS	<b>동</b> ]	JUNIORS	377	STUDENTS
	No.	Per cent	No.	Per cent	S.	Per cent
Agricultural Mechanics Forestry	19	N &	ម ខ ខ	พษ	2632	ര യ
Business Occupations .						
Advertising	13	7	1	i		p <b>4</b>
Finance & Credit	m	ı	13	<b></b> 1	567	•
	9	ŧ	9	i.		<b>~</b>
General Merchandise Retailing	12	-	<b>=</b>	print)		H
Hotel & Lodging	14	7	. 13	<b>1</b>	ဏ : တ :	<b>ش</b> (
Insurance	4	•	7	•		<del> - </del>
A١	10	<b>~</b> 4		<b>,</b> )	451	<b>p=4</b>
	40	ហ	49	ဖ	90 61 71	ហ
Business Data Processing	25	m		ŕ٦	76	N
General Office Clerk	38	ស	39	47	3E T	ল
Personnel	14	~	2		O	• •
Secretarial	92	σ		12	361	r-1
Troist	39	ហ		దు	print.	<b>©</b>
Health Occupations						
Dental Technician	41	ហ	38	4	133	4.
Medical Lab Technician	31	♥*	46	ഗ	147	ঝ
Nursing	83	10	62	7	306	Ø
Rehabilitation	12	<b></b> i	ഗ	prof	ថ្ង	N
Radiology (X-Ray)	25	m	24	M	8 8	m
Environmental Health	11	<b>~</b> 4	14	~		~
Mental Health	53	~	30	m	611	ぜ
Mortuary Science	1	•	16	N	ママ	<del></del> i
Home Economics Occupations						
Care and Guidance of young	46	છ	70	œ	747	<b>5</b> ~
Food Maragement and Production	11	~	53	m	60	M.
Home Furnishings, Equipment and Services	32	47	28	m	135	₩.



	छ।	SENIORS	F)	TENTORS	198	ALL STUDENTS
	No.	Per cent	No.	Fer cent	No.	TO LO
Technical Occupations						
	(	•				
Automotive Technology	73	თ	<b>O</b>	리카 <del>red</del>		တ #
	ဖ	•	<b>9</b> -1	เข		•
	ঝ	ı	۲۰			í
	10	punj	e4 (V	N	3	~
	22	m		<b>C</b>		eri
	11	part)	64 . <del>- 1</del>	**4		<b>,</b>
Trade and Industrial Occupations						
Air Conditioning	<b>o</b>	pud	ហ	ı	(U	ı
Appliance Repair	M	•	(m)	•	£	Ł
OCCUPATION THE PLANT	• •	6.	1 10	٠.	) O	ŗ.
Buchase Machine Maintonas	) (°	<b>3</b> (	3 C	i j	* f*	ን
acit in a	ባሩ	וי	.1.	<b>;</b> •	-, [ -  6	
	# ! -	' <b>'</b> 3 (	3 ·	*3 i	۳ ر ن	<u>چ</u> ار
Commercial Photography		N	47 · N	m	Ċ)	r*)
Carpentry	រភ <b>M</b>	<b>d</b> '	to Un	<b>5</b> ~0.	<b>S</b>	ধ্বা
Electrician	<b>5</b> 6	m	ന <b>ന</b>	€5'	12 m	Ø,
Heavy Equipment	78	Ø1	70	ယ	Ø	ω
Masonry	ហ	i	ಗು		20	í
Painting & Decorating	18	~	eri Ci	m	<u>د</u> ص	(V)
Plumbing and Pipefitting	~ <del>*</del>	<b>,1</b>	r·	ŧ	32	1
Diesel Mechanics	42	ഗ	্বা শু	វភា	172	ഗ
Drafting	17	~	m N	m	~1 60	Ö
Radio & Television Repair	œ	i	(S) PH	M	29	N
	œ	•	(~	í	200	<b>6-4</b>
	9	ŧ	t-	•	9 7	•
Welding	46	Q		¥\$	024	U'i
Cosmetology	32	₹3'	r.	i,t.)	14.	m
ininc	9	,	g <sup>a</sup> wa	•	dı ru	ě
Law Enforcement Training	34	e.g:	•4) (4)	64' 8	Ů\ 항 ₩	47
	12	pul	ර	ı	e m	gis- <b>(</b>
Quantity Food Occupations	2	ŧ	<b>CV</b>	i	co	

ALL STUDENTS	No. Per cent	on m	67 II
JUNGORS	Per cent	1 ~4	
Pr	្ត	(1) (5)	e Se su
SENIORS	Per cent	1 <b>~</b> 1	N 1
छ।	No	<b>⊢</b> ⊘	20

Textile Production and Fabrication
Upholstering Woodworking

EXHIBIT "G"

1973 - 74

### NORTHLAND PIONEER COLLEGE

### SURVEY OF COMMUNITY INTEREST

During late 1973 and early 1974, Northland Proneer College organizers circulated an information brochure which contained a questionnaire in which the cirizens of Navejo County might express their views concerning college development. As college planners talked with public and private groups throughout the county, those brochures were distributed. The brochurs were also mailed to selected Post Office Box Holders in Navajo County communities.

Citizens could respend to the questionnaire by tearing off the portion including the questionnaire and mailing it to Northland Pioneer College. The respondents were required to pay their own postage. There was no concerted effort on the part of Northland Pioneer College to see returns. It was structly a voluntary effort on the part of the respondents. Out of 10,000 brochards, 145 have been returned to Northland Pioneer College as of January 31, 1974.

### Origin of Returner

Winslow	40
Holbrook	34
Snowflake	10
Show Low	20
Lakeside	12
Pinetop	8
Kayenta	2
Whiteriver	1.
Mc Nary	1
Keams Canyon	1
Globe	1
Other (Not Specified)	15
TOTAL	145

### Question No. 1:

Would you attend Northland Pioneer College if you could attend classes in your own community?

	Number	Per cent
Yes	138	95
No	3	2
No Answer Given	4	3



### Question No. 2:

Would you prefer commuting to a centrally located campus?

	Number	Per cent
Yes	33	23
No	99	68
No Answer Given	13	9

### Question No. 3:

Are you interested in taking one of the following programs?

	Number	Per cent	
College Preparatory Cocupational No Answer	35 86 28	24 59 19 (NOTE	: Some question- naires contained two answers here)

A comparison of the answers to the same question by mail-in brochure responses and the high school seniors of Navajo County show marked differences in opinion.

### Would you attend?

	Mail Per cent Hi	gh School Per cent
Yes	95	62
No	2	38
Would you prefer commuting?		
Yes	23	53
No	68	47
Are you interested in taking of	ne of the followin	g:
College Prep	24	50
Occupational	59	50

Respondents were asked to indicate areas of interest for upgrading, professional, and other courses. A summary of these responses is as follows:

•	No. of equests		. of uests
Agriculture Related - 11  Forestry Agriculture Mechanics General Agriculture Plant & Tree Identification  Business Related - 111 Economics	4 1 5 1	Pharmacy Hospital Adm. Nursing Denistry Medicine Human Anatomy Diet Therapy Optometry	1 13 1 5 1 2
Statistics Secretarial Bookkeeping Typing Business (Gen & Adm) Data Processing Income Tax Acctg. Accounting Shorthand Steno Type Business Machines Merchandising Advertising Real Estate	1 6 8 3 27 6 5 14 3 1 2 2 1 6 3	Social & Behavioral Science - 31  Psychology Police Science History Archeology Arizona History Anthropology The Occult Eastern Religious Thought Self Awareness Adult Emancipation	3 3 12 5 2 2 1
Salesmanship Management Insurance Public Relations Business Law Leadership Marketing  Math & Science Related - 16	11 1 7 1	English & Foreign Language - 38  German Spanish Reading English Composition Journalism Navajo Literature	1 7 3 17 1 3 6
Environmental Pollution Biology Fire Science Math Chemistry Engineering Industrial Water Chem. Zoology Geology Physics	1 1 3 3 3 1 1	Home Economics - 31  General Home Economics  Money Management  Tailoring  Sewing  Baking  Nutrician  Cooking  Upholstery  Cake Decorating	13 1 1 5 1 2 2 5

No. of No. of Requests Requests Area Area Other - 26 Fine Arts - 55 10 22 Elementary Education Art Secondary Education 5 2 Silversmithing 5 2 Graduate School Gemstone Cutting 1 3 Humanities Sports Physical Education 5 14 Music 9 Crafts 3 Theatre Vocational and/or Technical - 40 Air Conditioning 8 Automotive 3 Photography Micro AC - DC 1 Measurements 1 4 Electronics 1 Surveying Industrial 1 Education Welding 1 Mineral Assaying 1 Plumbing 3 Carpenter Electrical Drafting Civil Engineering Motor Cycle 1 Mechanics



### Conclusions:

### Conclusion No. 1:

The questionnaires are evenly distributed in relation to population throughout the areas of the four planned "minicenters" of Northland Pioneer College.

### Conclusion No. 2:

Although 23% of the respondents indicated that they would prefer commuting to a centrally located campus, this answer was often qualified by a statement indicating that if the campus was located in a certain place, they would prefer commuting. It is noteworthy that 95% of the people indicated they would attend Northland Pioneer College if they could attend in their own community.

### Conclusion No. 3:

In regards to the question; are you interested in taking one of the following programs? The result, college prep. 24%, occupational 59%, is comparable to current plans in course development. Northland Pioneer College planners have established a goal of 60% of the program offerings in the occupational areas.

### Conclusion No. 4:

There is some misinterpretation on the part of many Navajo County citizens as to the purpose and goals of the Community College. Many people ask for courses that are normally upper division and graduate level courses at the university.

### Conclusion No. 5:

There are differences in opinion between the high school seniors in the county and the respondents on the brochure. If the brochure represents the opinions of adults, we can see that there is a communications gap between young people and their parents. NPC planners must keep this in mind.



### BIBLIOGRAPHY

- National Bank, November, 1973.
- Gookin, W. Scudder. Navajo Planning Program. Phase I, Basic Studies, June, 1971.
- Hodgson, J. D. Manpower Report of the President. U. S. Department of Labor, March, 1972.
- Arizona Community Profile. Arizona Office of Economic Planning and Development, 1973.
- . Western States Telephone Company Directory. Holbrook, Alpine, Eager, Greer, Hawley Lake, Heber, Lakeside, McNary, Nutrioso, Overgaard, Piretop, St. Johns, Show Low, Snowflake, Springerville, Taylor, and Whiteriver, 1972-73.
- City, May 1973. Mountain Bell Telephone Directory. Winslow and Joseph
- Waite, Rex R. 1973 Comprehensive Manpower Plan. Office of Manpower Planning, 1973.
- Security, June, 1973.

  Arizona Manpower Review. Arizona Department of Economic
- "Employment Characteristics for Counties," Arizona Department of Economic Security, 1970.

UNIVERSITY OF CALIF.
LOS ANGELES

FEB 07 1975

CLEARINGHOUSE FOR JUNIOR COLLEGE INFORMATION



A163

(271