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**Journal****Education and Careers  
1976**

Vol. XXII, No. 2      February 1976

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**Baby sitting****A laboratory for parenting**

*This article is different from any other in this issue. Most of the articles are about possible future occupations; this is about an occupation for teenagers, about work you may be doing right now. The person who does this work is a child care person, often known as a baby sitter. An occupation for the "quite young and the sprightly and not-so-sprightly elderly," it is important work because it involves responsibility for other persons. It can also help a young person to prepare for the crucially important task in the future, that of being a parent.*

*Dr. Stith discusses ways the child care person, the parent, and the child can learn from the laboratory in human development which this occupation provides.*

*If you are a present or future child care person, or a present or future parent, be sure to read this article.*

By Dr. Marjorie Stith  
 Head, Department of Family and  
 Child Development  
 Kansas State University  
 Manhattan

Baby sitting is a part of our culture and is perhaps one of the last "cottage industries." The quite young and the sprightly and not-so-sprightly elderly form the working force. Usually the immediate neighborhood is the base of employee-employer transaction. There are no labor unions, nor are there uniform expectations connected with the job. In light of small nuclear families, emphasis on volunteer participation in many community undertakings, and the increasing focus on self-actualization among adults, baby sitting is probably an essential facet of our society. Additionally, it offers unique learning experiences.

We need a new name for this activity! All children cared for are not "babies" and older children may resent this term. The person who cares for a young child seldom sits with him for any length of time! The "sitter" works and those who hire this person must know that and expect it. This person talks, responds, offers alternatives, directs the child to other activities, aids in problem solving, mediates spats. The sitter "sits" only when the child is asleep, which is a time for which many sitters are sought. Even for evening care, however, the child care per-

son should arrive before the child goes to sleep. There should be some opportunity for getting acquainted and for the child to know the "guest parent" and for the child care worker to know the child.

Much has been written about the tools of the baby sitter, to whom I shall refer as a child care worker (CCW). Much stress has been given to essential concerns: where the parents will be and how they can be reached; the child's bedtime ritual; whether he is to be bathed; TV privileges; when the parents will return; plans for getting home after the parents return.

I would like to approach the subject from a slightly different angle, not so much as a job, but as a laboratory for learning human development and parenting. There are learning possibilities for child care workers, for the parents of the child, and for the child himself. This is particularly true when the employee is a junior high or high school student, or even a responsible elementary school student.

One of the most important by-products of the "baby-sitting industry" may be that the CCW discovers children in all their reality: their delights, their surprises, and their difficulties. Babies or young children are not like dolls. They do not always do what you want them to do. They cry; have toilet accidents or simply need to have smelly diapers changed; refuse to eat; scribble on an important paper inadvertently left in an accessible place. The CCW may also learn that children are different from one another. Age brings changes. Infants drool. Babies wet their pants. Two-year-olds say no when they really may mean yes. Three-year-olds want to do things for themselves which takes time, time, time, and patience to go along with it. Five-year-olds are proud of what they do and wish to be recognized time and time again! See what I can do; look at me!

Children even of the same age and even in the same family have quite different temperaments which cause them to approach situations and people and respond to them in quite different ways. Some are

(Continued on page 31)

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# American heritage-vocational education

By Richard Ladd

Director, Wichita Area

Vocational-Technical School

President, Kansas Association of Area Vocational-Technical Schools

During this bicentennial year, it is well to reflect on the relatively small number of people who brought our nation into being. That small group could be identified within certain occupational areas. There were those who worked to produce foods, build shelters, and otherwise provide the essentials of life in the economy of that day. Today, we find many workers providing the same essentials, but on a far more comprehensive basis. The American society today is dependent upon the productivity and income of those gainfully employed, as was true 200 years ago.

From early colonial days people have been trained to do specific jobs by various educational methods. In the broad sense, this training is known as "vocational education." Many jobs require highly specialized training before the individual can gain entry into the work force. Vocational education responds to that need for training by providing the special skills and knowledge necessary for successful entry into employment.

While early American life was simple and uncomplicated, the modern way of life, with all its opportunities and technology, has increased the demands on the individual. No longer can a person learn a life's work within the confines of the home. Men and women are working from 25 to 40 years in the labor market outside the home, and are feeling a real need for training and retraining. Conditions in the working world change. Many young people who are now entering the work force will find they will change jobs as many as 10 or more times in their working lifetime. This is not bad; a person identifies the activities that are rewarding.

The number of individuals reach-

ing the age of 18 has more than doubled in the past 25 years; thus, more people of all ages are competing for employment. As people look for

work, they concentrate their efforts in the occupational areas with which they are most familiar and

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## Vocational education

(Continued from page 5)

show an interest. With that interest, it is hoped there is also an ability to function in the chosen job. There are over 20,000 different kinds of jobs in the United States, and almost twice that number of job titles. These jobs can be grouped in three general categories: working with things, people or data, or a combination of the three. The United States Department of Labor has compiled lists of worker traits in the book, **Dictionary of Occupational Titles and Description of Jobs**. Detailed information on jobs is available in high school counseling offices and from state employment offices. With the increased number of people looking for gainful employment, and the many different fields to enter, it is often confusing to know what to enter or how to enter an occupational area which would be interesting and rewarding.

For those of you who have caught a glimpse of your star and seek fulfillment and satisfaction in the world of work, **VOCATIONAL EDUCATION** could be the answer to your many concerns. Through vocational education you

can learn skills, acquire proficiency, and develop pride in attainment; you can expect self-sufficiency and financial independence! Some of the most significant and best recognized opportunities for vocational education in Kansas are in the fourteen **KANSAS AREA VOCATIONAL - TECHNICAL SCHOOLS** strategically located across the state.

Kansas labor surveys reveal that 85 per cent of all Kansas jobs do not require a four-year degree! The Kansas area vocational-technical schools provide training in well over 100 of the most common occupational areas. What could be more appropriate for you as a Kansan than receiving training in Kansas for a Kansas job? That aspect of vocational education is so important to Kansas business and industry that considerable financial assistance is provided at state expense. At the present time, any post-secondary youth, or adult, may attend a Kansas area vocational-technical school with the state assuming 90 per cent of the tuition costs, and secondary students may attend with no tuition costs. Programs are available to meet the in-

terests and abilities of most people. High school counselors have lists of vocational-technical programs, the length, costs, location, and other details. Vocational education is not an end, but the beginning for those who continue that fine American heritage of individual independence through work!

Whatever your individual plans may be, you will find vocational-technical education readily available to help you achieve your goal in life. See your guidance counselor, or contact your nearest Kansas area vocational-technical school for information. This could very well be the most important thing you do in this bicentennial year!

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# Trucking

By Carol Gwinn  
Kansas Motor Carriers Association  
Topeka

When a farmer drives into town to buy a week's supply of groceries, or maybe to pick up a tube of toothpaste or a pair of shoelaces, or when students drop by the drugstore on their way home from school to buy notebook paper or pencils, they know that not only will they be able to find undamaged, high quality products, but they also will have a variety of brands and prices from which to choose.

They probably don't know, however, the process that brought them those groceries, the shoelaces, or the notebook paper — whatever goods they need. They probably aren't fully aware of the vital role that transportation plays in their lives. Transportation touches everything that people use, eat, or wear. Even the transportation of people depends on the transfer of gasoline and oil to service stations, and the transfer of new and used cars to car dealers. And those high school students probably are transported to school by bus.

Transportation has an even greater role in Kansas than it does in

many other states, and perhaps the most important mode of transportation in Kansas is trucking. Much of Kansas comprises small, rural communities with populations of less than 1,000 and no railroad stations, airports, or water transportation.

These small communities depend on trucks to bring in the products they need in order to live as well as their urban friends in Wichita, Topeka, and Kansas City. In fact, they depend on trucks for their economic existence, because not only do trucks daily deliver goods into these small communities, they also transport the products they manufacture to large distribution centers.

The availability of at least several trucking companies' services is largely a result of regulation of the transportation industry by the Interstate Commerce Commission (ICC). The ICC guarantees that businesses in Oakley, Burrton, and Topeka, for example, are all charged equitable rates, and that the less profitable small jobs are served on the same regular basis as the bulk jobs of large manufacturing centers. This means that the small businessman can effectively compete with a large company, regardless of the size of his community.

There are 246 Kansas communities that are totally dependent on motor transportation for everything they eat, use, or wear. In the United States, 25,000 communities are totally dependent on trucks. The motor carrier industry is second only to agriculture as the largest industry in Kansas from the viewpoint of employment. Nationally, more than eight million people are employed directly by motor carriers. In Kansas, the motor carrier industry provides about 145,000 jobs.

The motor carrier links the raw goods to the manufacturer, the manufacturer to the user, the producers to the consumers. Trucks carry 89 per cent of all agricultural products from farm to initial markets throughout the country, 97 per cent of frozen foods and vegetables in shipments of 500 miles or less, 76 per cent of all fruit and vegetables to market, 99 per cent of livestock to market, nearly all poultry and eggs, and practically all goods moving in local service and delivery.

Naturally, driving a truck or bus is only one of many jobs available in the motor carrier industry. However, the professional driver can be called the heart of the industry. Nearly half of all professional drivers are local truck drivers, that is, they drive within the city or community rather than "over-the-road," from one end of the country to the other.

Qualifications for truck drivers vary with the type of equipment used, and whether a driver will be operating intrastate or interstate. Generally drivers must be 21. In Kansas, however, 18-year-olds are allowed to drive intrastate as long as they are not carrying hazardous materials and meet other standards. Some employers prefer applicants who have completed two to four years of high school.

A driver must be able to lift heavy objects, and must be in good health. In addition to driving the "big rigs" over the highways, a driver often must help to unload his cargo. He also must fill out a "daily log" in many cases, and handle the transfer of goods. Drivers hauling interstate also must take a written test on U.S. Department of Transportation rules and regulations. He must have a chauffeur's license, and some experience with trucks is generally preferred by companies. Some



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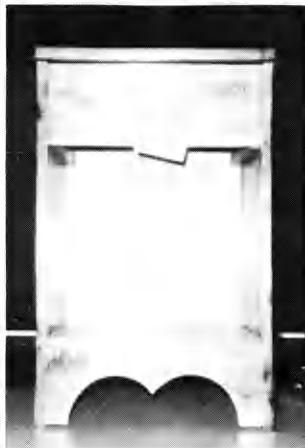
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## Trucking

(Continued from page 7)

companies offer truck driver courses for all new employees.

Trucking companies also employ salesmen, who must familiarize themselves with the problems of the companies using their transportation services. This job requires a grounding in principles of salesmanship and marketing, advertising, economics, public speaking, and, of course, standard transportation methods. If you like people and enjoy meeting them, perhaps this is a job for you.

Jobs in the traffic departments of motor carriers require the completion of college courses in transportation, especially in principles of traffic, motor carrier rates, rate structures, and traffic management. Traffic department employees work out schedules and rates with customers, and make arrangements with other motor carriers to transport shipments beyond their company's territory.

Large trucking companies often have terminals at various cities within their territory. Each terminal is supervised by a terminal manager, who is assisted by a warehouse superintendent, an office manager, rate people, and the truck dispatchers. The terminal deals with pickup and delivery, commodity marking, loading, schedules, platform handling, interline agreements, communications, and rates. Terminal employees must have studied the essentials of transportation, including warehousing, materials handling, production control, and personnel relations.

Safety is of primary concern to most motor carriers. The safety department works closely with other departments of a company. It establishes safety programs for those who work in the terminal, shop, and office, and for drivers out on the road. It recognizes and encourages safety efforts. And it supervises the observance of the safety rules and regulations of such agencies as the Department of Transportation, the Kansas Corporation Commission, and OSHA (Occupational Safety and Health Act.)

All motor carrier transportation depends on the equipment and maintenance department, and on its ability to keep the truck-tractors and trailers working. Preparation for a career in this department includes college training in courses

such as mechanical engineering, machine shop, physics, metallurgy and foremanship. A maintenance engineer must know about internal combustion engines and motor mechanics. And he must be able to keep up with the changing standards for trucks, such as the 121 Brake Standard. By seeing that equipment is properly maintained, this department reduces the possibility of costly breakdowns on the road.

Another career opportunity in the motor carrier industry is in the claims department. The claims manager is the watchdog of the interests of the company. He investigates all claims from customers with thoroughness, decides whether they are justified, and set-

tles them. He also must try to prevent the loss and theft of cargo. He must have had an education in transportation, business and transportation law, insurance, and practices and procedures before the ICC.

In the accounting department of motor carriers are careers for people with a feel for numbers. This department deals with freight revenue accounting, general accounting, tax accounting, cost control and statistical reporting.

Still more careers are available in this large and growing industry. For more information — booklets, pamphlets and movies — write or call the Kansas Motor Carriers Association, P.O. Box 1673, Topeka, Kansas. 66601.

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# Kansas companies comment

What kinds of jobs are found in Kansas for high school graduates? For vo-tech graduates? For college graduates? What characteristics do employers like in new employees? What kinds of job may open in the future?

Twenty Kansas business firms with more than 250 employees, most with more than 1,000, answered these questions on a questionnaire sent to them by Kansas 4-H Journal.

The questions and summaries of their answers follow, with a list of the cooperating companies at the end of the article.

## In your company, what opportunities are there for high school graduates?

Work on the production line and in the office is most readily available for high school graduates in the industries which answered the questionnaire. Ten specifically mentioned office occupations such as typist, stenographer, and office clerk. Ten listed production jobs such as assembly, machine shop fabrication, welding, and sheet metal fabrication, both hand and machine.

Opportunities are "few," one respondent said, but others commented: "The majority of our plant employees are of high school educational background. This is not a prerequisite for employment," "Most positions in our company are filled with high school graduates," "Since all higher paying jobs including management positions are filled from within our plant, the opportunities are endless," and "All jobs open except those with specific craft, technical or professional requirements."

Some companies train employees; one said, "The high school graduate has the opportunity to increase his educational level or grow in the organization by utilization of a tuition fund plan to increase his educational level or by performance that merits recognition for more opportunity and responsibility"; another responded, "We do a large amount of training employees ourselves".

In your company, what opportunities are there for vocational-technical school graduates?

Vocational-technical graduates are better qualified for office and production jobs.

One quote: "The vo-tech graduates are considered for employment in the areas that require more intensified training and more technical work such as tooling, machine operators and draftsmen.

## In your company what opportunities are there for college graduates?

Engineers and accountants are mentioned more often.

Most frequently listed is engineering with 12 respondents naming this occupation. Second is accounting, 10, and administration and management, 9. Other opportunities are for artists, chemists, financial analysts, agronomists, customer service representatives, consumer consultants, scientists, supervisors, nuclear technologists, computer programmers, analysts, and systems designers, and persons in data processing, manufacturing, distribution, real estate advertising, credit union management, personnel, sales and marketing, purchasing and inventory control.

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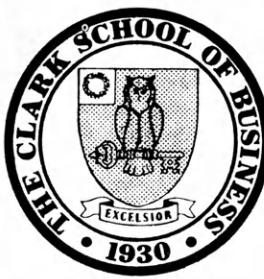
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One comment was that there are opportunities for "management positions with possibilities of advancement to corporate level management." Two companies list no jobs for college graduates.

**What personal characteristics are important for new employees in your company?**

Desire to work, motivation to work to the best of one's ability, ability to communicate, and the capability of getting along well with and of working with others are characteristics which these employers list most frequently as desirable.

Other traits often mentioned are willingness to learn and adaptability — to long hours, to relocation, and to changing situations and job responsibilities — and stability, including the ability to come to work daily, to be on time, to be honest and reliable. Other desirable characteristics mentioned are good appearance, good grooming, positive attitude, good health, common sense, friendliness, and intelligence.

One employer wrote "Employees are generally selected on the basis of proven ability, successful accomplishments in specialized fields in high school or college, evidence of reliability, proven evidence of fluency, writing ability and a desire to deal persuasively with people."

**What jobs will be opening up or expanding in the next year or two?**

Engineering, accounting, computer science, marketing, finance, personnel, administration, management, hourly production jobs, skilled machinists (lathe, drill), drafting, maintenance and tooling technicians, agriculture, chemists, programmers, secretaries, production workers, and workers in stores were listed.

One employer wrote, "Due to turnover, retirements, and seasonality of our business, we will continue to need high school and college graduates in all categories."

Ten years from now, what do you expect your industry to be like in terms of numbers of employees needed, and what training and qualifications are employees likely to need?

The change most emphasized is for more need for skilled persons in manufacturing and technological areas, because of greater sophisti-

cation of equipment. One employer wrote that the need for persons with training in technical, financial, data processing, and marketing fields will increase as demands are put on the industry in general.

Some quotes:

"Skills in dealing with, understanding of and motivating employees at all levels of the organization will be demanded of all who expect to be successful in the industry. Academic achievement, broad general knowledge, and desire to be successful will be prime requirements."

"In the next ten years, we anticipate a total employment of approximately 1,000 to 1,200. The majority of these jobs will be for clerical type people with at least a high school education and for semi-skilled and skilled people with vocational-technical training in machine shop, drafting, assembly, electronics, and so on."

"The retail business has a real future for the career minded.

"The greatest need will be for skilled machinists."

Kansas companies responding to the questionnaire are: American Yearbook Company, Topeka; Beech Aircraft Corporation, Wichita; Boeing Company, Wichita; Cessna Aircraft Company, Hutchinson; Coleman Company, Wichita; Colt Industries, Kansas City; Detroiter Mobile Homes, Hutchinson; Dillons Stores, Hutchinson; Duckwall Stores, Abilene; Funk Manufacturing Company, Coffeyville; General Motors Assembly Division, Kansas City; Goodyear Tire and Rubber Company, Topeka; Gulf Oil Chemicals Company, Pittsburg; Hesston Corporation, Hesston; Kansas Gas and Electric Company; Wichita; McCall Pattern Company, Manhattan; Phillips Petroleum Company, Kansas City; and Tony's Pizza Company, Salina. Two companies which returned the questionnaires are not listed because the forms had no names.

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# KANSAS TWO-YEAR COLLEGES

## Public Community Junior Colleges

	Location	(Equated Full-Time Enrollment)	Tuition Per Sem. (Kans. Res.)	Room & Board Per sem.	On Campus Housing Capacity	WRITE FOR INFORMATION
<b>Allen County Community Jr. College</b>	Iola	482	\$ 8 credit hr.	\$405	96	Registrar, Allen County Community Jr. College, 1801 N. Cottonwood, Iola, Kans. 66749.
<b>Barton County Community Jr. College</b>	Great Bend	779	\$ 10 sem. hr.	\$450	56 men	Director of Admissions, Barton County Comm. Jr. College, Great Bend, Kans. 67530.
<b>Butler County Community College</b>	El Dorado	1003	\$ 8 sem. hr.	\$460	56 women	Director of Admissions, Butler County Community College, El Dorado, Kans. 67042.
<b>Cloud County Community College</b>	Concordia	584	\$ 8 hour	\$400	80 women	J. W. Carlson, Dir. of Admissions, Cloud County Community College, Concordia, Kans. 66901.
<b>Coffeyville Community Jr. College</b>	Coffeyville	658	\$ 8 credit hr.	\$400	40 men	Director of Admissions, Coffeyville Community Jr. College, Coffeyville, Kans. 67357.
<b>Colby Community College</b>	Colby	890	\$210 credit hr.	\$550	127 men	Dennis Michaelis, Dean of Admissions, Colby Community College, Colby, Kans. 67701.
<b>Cowley County Community College &amp; Vocational-Technical School</b>	Arkansas City	671	\$ 8 credit hr.	\$560	48	W. S. Scott, Adm. Asst. and Registrar, Cowley County Community College, Arkansas City, Kans. 67005.
<b>Dodge City Community College</b>	Dodge City	921	\$ 8 credit hr.	\$520	86 women	V. James Sherer, Director of Admissions, Dodge City Community College, Dodge City, Kans. 67801.
<b>Fort Scott Community College</b>	Fort Scott	660	\$ 8 hour	\$448	60 men	Registrar, Fort Scott Community Jr. College, 2108 S. Horton, Fort Scott, Kans. 66701.
<b>Garden City Community Jr. College</b>	Garden City	927	\$ 8	\$475	32 women + dorm mother	Registrar, Garden City Community Jr. College, Garden City, Kans. 67846.
<b>Highland Community Jr. College</b>	Highland	403	\$ 8 credit hr.	\$425	60 men	Douglas L. Fitch, Dean of Student Affairs, Highland Community Jr. College, Highland, Kans. 66035.
<b>Hutchinson Community Jr. College</b>	Hutchinson	1,998	\$ 8 credit hr.	\$400	60 women	Miss Reba Anderson, Dean of Admissions and Recreation, Hutchinson Community Jr. College, Hutchinson, Kans. 67501.
<b>Independence Community Jr. College</b>	Independence	530	\$ 8 credit hr.	\$400	60 men	Director of Admissions, Independence Community Jr. College, Independence, Kans. 67301.
<b>Johnson County Community College</b>	Overland Park	3,176	\$ 13 credit hr.	\$400	60 women	Director of Admissions, Johnson County Community College, Blvd. & Quivira Rd., Overland Park, Kansas. 66210.
<b>Kansas City Kansas Community College</b>	Kansas City	2,061	\$ 10 sem. hr.	\$375-\$400	40 men	Director of Admissions and Registrar, Kansas City, Kans. City, Kans. 66112.
<b>Lambette Community Jr. College</b>	Parsons	446	\$ 8 sem. hr.	\$375-\$400	40 women	Lambette Community Jr. College, 200 South 14th St., Parsons, Kans. 67357.
<b>Neosho County Community College</b>	Chanute	407	\$ 8 credit hr.	\$375-\$400	48 men	Joseph B. Smith, Dean of Students, Neosho County Community College, Chanute, Kans. 66720.
<b>Pratt Community Jr. College</b>	Pratt	424	\$ 10 credit hr.	\$550	48 women	Director of Admissions, Pratt Community Jr. College, Pratt, Kans. 67124.
<b>Seward County Community College</b>	Liberal	351	\$ 8 credit hr.	\$400	35 men	Dean of Student Services, Seward County College, Liberal, Kans. 67901.
<b>Private Two-Year Colleges</b>						
<b>Central College</b>		195	\$875	\$625	225	Director of Admissions, Central College, McPherson, Kans. 67460.
<b>Donnelly College</b>	Kansas City, Ks.	473	\$ 20 sem. hr. & \$10 fee-full time-\$5 fee-part time	\$625	225	Donnelly College, 1236 Sandusky, Kans. City, Kans. 66102.
<b>Hesston College</b>	Hesston	625	\$ 54 credit hr.	\$464	501	Student Services Department, Hesston College, Hesston, Kans. 67062.
<b>St. John's College</b>	Winfield	306	\$505	\$500	350	Wallace Behrhorst, Director of Admissions, St. John's College, Winfield, Kans. 67156.
<b>State Technical Institutes</b>						
<b>Kansas Technical Institute</b>	Salina	312	\$135	\$458	125	Director of Admissions, Kansas Technical Institute, Salina, Kans. 67401.
<b>Vocational Technical Institute</b>	Pittsburg	285	\$195.25	\$550-\$670	943	Leland D. Boone, Director, Vocational Technical Institute, Kans. State College of Pittsburg, Kans. 66762.



## **Kansas City Kansas Community College**

KCKCC is fully accredited by the North Central Association of Colleges and Secondary Schools, and by the Kansas State Department of Education. It is approved by the Kansas Veterans Commission and by the Veterans Administration.

**College Transfer Credit Programs  
Career or Occupational Programs  
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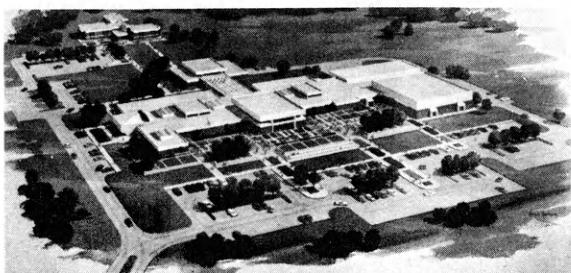
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**For Information, contact the  
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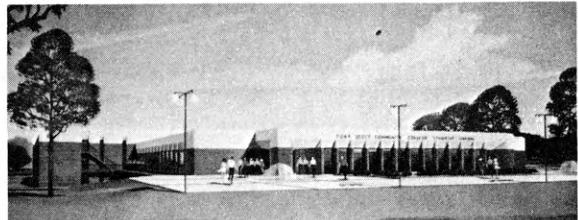
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Allen County Community Junior College  
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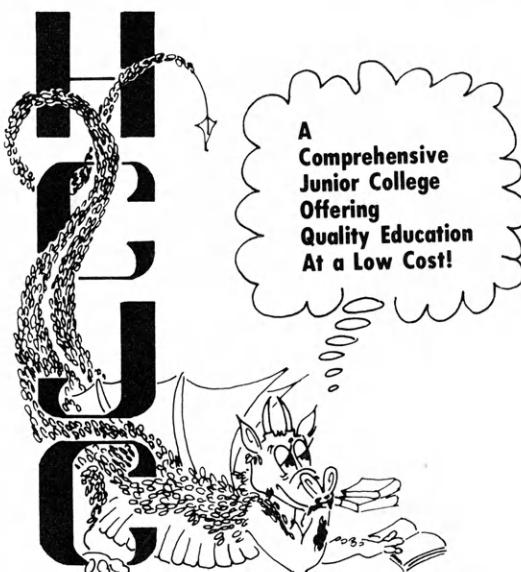
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Fort Scott Community College has all new facilities on a new 132 acre campus.

For catalogs, student handbooks, and brochures, write to:  
Registrar, Fort Scott Community College, 2108 S. Horton,  
Fort Scott, Kansas 66701.



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**Write:**

**Dean of Admissions and Records  
Hutchinson Community Junior College  
Hutchinson, Kansas 67501**

# Kansas Four-Year Colleges

School	Location	Fall Semester, 1975 (Equated Full-Time) Enrollment	Type	Affiliation	Accreditation
Baker University	Baldwin	859	Coed	Methodist	Kansas State Department of Public Instruction; Nat'l. Council for Accred. of Teacher Education; University Senate of the Methodist Church; American Assoc. of Univ. Women*
Benedictine College	Atchison	974	Coed	Catholic	Nat'l. Council for Accred. of Teacher Education; State Dept. of Public Instruction; Nat'l. Association of Schools of Music; Nat'l. Catholic Education Association*
Bethany College	Lindsborg	789	Coed	Lutheran	Kansas State Department of Public Instruction; North Central Regional Assn.; NCATE*
Bethel College	North Newton	626	Coed	Mennonite	Kansas State Department of Public Instruction; AAUW; North Central Regional Association*
Emporia Kansas State College	Emporia	5,440	Coed	State	Amer. Library Assn., Nat'l. Assn. of Schools of Music, Nat'l. Council for Accred. of Teacher Education, State Dept. of Education.*
Fort Hays Kansas State College	Hays	4,527	Coed	State	State Dept. of Public Instr.; Kans. State Board of Nursing, Amer. Assn. of Colleges for Teacher Ed.; Nat'l. Assn. of Bus. Training Insts.; Nat'l. Council for Accred. of Teacher Ed.; Nat'l. Assn. of Schs. of Music; AAUW; North Cen. Regional Assn.; Council of Grad. Schs.; Nat'l. League of Nursing*
Friends University	Wichita	740	Coed	Soc. of Friends	Nat'l. Council for Accred. of Teacher Education; Nat'l. Association of Schools of Music* Ks. St. Bd. of Edu.
Kansas Newman College	Wichita	527	Coed	Catholic	Kansas State Department of Public Instruction; National Catholic Educational Assoc.*
Kansas State College of Pittsburg	Pittsburg	4,751	Coed	State	Nat'l. Council for Accred. of Teacher Education; Nat'l. Association of Schools of Music; Nat'l. University Extension Association; American Association of Colleges for Teacher Education; American Chemical Society*
Kansas State University	Manhattan	16,831	Coed	State	Professional Accred.; Arch.; Chem.; Engineering; Journalism; Music; Veterinary Medicine; Nat'l. Council for Accred. of Teacher Education*
Kansas Wesleyan	Salina	480	Coed	Methodist	University Senate of the Methodist Church; AAUW; Kansas State Dept. of Education; North Central Regional Assn.*
Marymount College of Kansas	Salina	667	Coed	Catholic	Nat'l. Council for Accred. of Teacher Education; Nat'l. League for Nursing, Nat'l. Assn. of Schools of Music*, Kan. St. Bd. of Edu.
McPherson College	McPherson	439	Coed	Brethren	Kansas State Department of Education; Kansas Assn. of Colleges and Universities; North Central Regional Assn.* Kan. St. Bd. of Edu.
Mid-America Nazarene College	Olathe	980	Coed	Nazarene	Kansas State Department of Education*
Ottawa University	Ottawa	680	Coed	Baptist	Kansas State Dept. of Public Instr.; American Baptist University*
Saint Mary College	Leavenworth	542	Women	Catholic	Nat'l. Council for Accred. of Teacher Education; Nat'l. Association of Schools of Music; AAUW and Kans. State Dept. of Education*
Saint Mary of the Plains College	Dodge City	324	Coed	Catholic	Kansas State Department of Public Instruction; Nat'l. Association of Schools of Music; Nat'l. Council for Accred. of Teacher Education*
Southwestern College	Winfield	627	Coed	Methodist	Kansas State Department of Public Instruction; Nat'l. Association of Schools of Music*
Sterling College	Sterling	546	Coed	Presbyterian	Kansas State Department of Public Instruction; American Association of University Women, Nat'l. Crediting Assoc. Teacher Education*
Tabor College	Hillsboro	505	Coed	Mennonite Brethren	Nat'l. Association of Schools of Music; Kansas State Department of Public Instruction*
University of Kansas	Lawrence	20,449	Coed	State	Professional Accred.; Arch.; Business; Chem.; Engineering; Journalism; Law; Medical Tech.; Medicine; Music; Nursing; Occupational Therapy; Pharmacy; Physical Therapy; Psychology; Social Work; Speech Pathology and Audiology; Teacher Education; X-Ray Technology*
Washburn University	Topeka	4,035	Coed	Municipal	Nat'l. Council for Accred. Teacher Education; Association of American Law Schools; American Bar Association; American Association of Univ. Women; Nat'l. Ass'n. of Schools of Music*
Wichita State University	Wichita	10,528	Coed	State	Nat'l. Council for Accred. Teacher Education; Nat'l. Association of Schools of Music; Engineers; Council for Professional Development; American Chemical Society Committee for the Professional Training of Chemists*

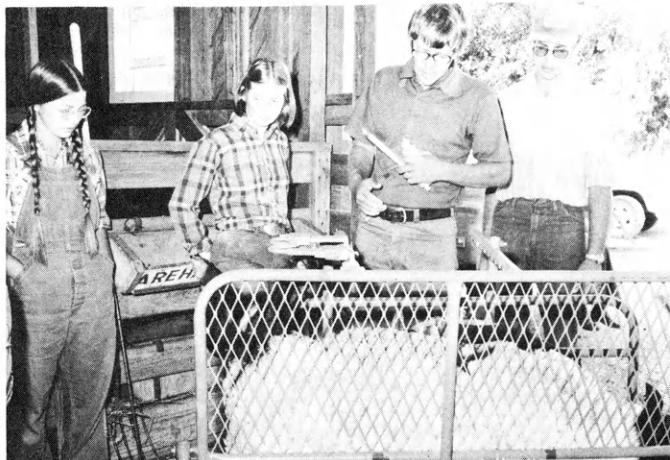
\* Is accredited by North Central Association of Colleges and Secondary

TUITION & FEES PER SEM.	ROOM & BOARD PER SEM. (IN RESIDENCE HALLS)	ESTIMATED TOTAL YEARLY COST FOR A STUDENT (INCLUDING TUITION, ROOM & BOARD, BOOKS, SUPPLIES & PERSONAL EXPENSES)	ON CAMPUS HOUSING CAPACITY	SCHOLARSHIPS NO.	AVERAGE AMOUNT	WRITE FOR INFORMATION TO
\$935	\$575	\$3,062	800	300	\$500	Director of Admission, Baker University, Baldwin City, Kansas 66006.
950	597.50	3,400	1,153	275	800	Benedictine College, Director of Admissions, North Campus, Atchison, Kans. 66002.
879	568	2,894	640	200	400	Director of Admissions, Bethany College, Lindsborg 67456.
872.50	542.50	3,330	620	328	312	Office of Admissions, Bethel College, North Newton 67117.
203	550	2,250	1,442	450	200	Office of Admissions, Emporia Kansas State College, Emporia, Kansas 66801.
17.00	526—580 (includes 10, 15 or 20 meal plan)	2,400	1,712	350	250	Registrar and Director of Admissions, Fort Hays Kansas State College, Hays 67601.
842.50	535	3,100	188	(No stipulated amt.)		Office of Admissions, Friends University, Wichita 67213.
825	550	3,200	276	145	500 (per year)	Director of Admissions, Kansas Newman College, Wichita, Kansas 67213.
195.25	550—670	2,150—2,400	943	360	275	Office of Admissions, Kansas State College of Pittsburg, Pittsburg 66762.
266	560	2,250	5,000	800	250	Dean of Admissions and Records, Kansas State University Manhattan 66506.
905	737.50	3,260	500	108	750 (per year)	Director of Admissions, Kansas Wesleyan, Salina 67401.
800	560	3,100	286	150	500	Admissions Director, Marymount College, Salina 67401.
812.50 for 15 hrs.	Room Board 150—225 305	2,650—2,850	479	Unrestricted number available, up to \$750 per year.		Director of Admission, McPherson College, McPherson 67460.
1,404 per year	535 (average)	2,700	820	250	300	Director of Admissions, Mid-America Nazarene College, Box 1776, Olathe, Kansas 66061.
1155	585	4,000	768	many available	400	Office of Admissions, Ottawa University, Ottawa 66067.
675	535	2,975	400	70	500-700	Director of Admissions, Saint Mary College, Leavenworth 66048.
800	525	2,650	420	185	275 renewable each semester	Director of Admissions, Saint Mary of the Plains College, Dodge City 67801.
857.50	535	3,435	565	560	450	Director of Admissions, Southwestern College, Winfield 67156.
950	550	3,200	575	150	500 (renewable for 4 yrs.)	Director of Admissions, Sterling College, Sterling 67579.
970	525	3,100	400	250	400	Director of Admissions, Tabor College, Hillsboro, Kansas 67063.
288	600	2,500	5,200	1,853	611	Office of Admissions and Records, University of Kansas, Lawrence, Kansas 66045.
17-26 per credit hour plus \$9 activity fee per sem. plus \$1.50 cr. hr. univ. fee	595	2,150	339	500	300	Registrar and Director of Admissions, Washburn University, Topeka 66621.
282.70 15 hour load	562.50	2,200	391	522	275	Director of Admissions, Wichita State Univ., Wichita 67208.

(One private residence hall adjacent to campus with accommodations 200

## Child Care ▶

## Sheep Management ▶



Sheep management technology is the newest addition to Colby Community College's agriculture curriculum. Students interested in careers working with sheep can complete a two-year management program, a one-year course in a technical aspect of the sheep industry or the first two years of a program that will allow you to transfer to a four-year college or university. Colby also has programs in farm and ranch management, horse production and cow-calf management. Next fall we will begin a swine production program.



You can enter the special world of young children through Colby Community College's new child care program. Enroll in courses within the program to see if this is the career you want or complete the entire curriculum and be ready to transfer to one of the state's four-year colleges or universities and complete your studies in child care. Students wishing a degree in any of the home economics fields can begin their college careers at Colby.

# Colby Community College

## Where there's always something new for you!

"To Make the Best Better," the 4-H'ers' motto, and Colby Community College's aim "Toward Better Futures" go together when we explain why there's always something new at Colby Community College.

To keep pace with the future and to have their graduates prepared for the future, colleges must be willing to change—and Colby College is. When the job market changes, so do our career programs. We keep abreast of what Kansas' four-year colleges and universities want in their transfer students. Whether you're studying science, music, physical education, history, art, engineering or English, you'll be ready to transfer when you leave Colby Community College.

Courses and programs to meet changing needs aren't all that is new at Colby Community College. Next fall students will begin using the Northwest Kansas Cultural Arts Center.

Your future and your career are yours to choose. Before you decide, though, pay us a visit at Colby Community College. We will help you make the best better by helping you toward a better future.

We want to tell you more about Colby Community College. Plan now to visit with or write to Dean of Admissions Dennis Michaelis, 1255 South Range, Colby, Kansas 67701. 913/462-3984.

A NEW CAREER—

# Animal hospital technology

By Keith Beeman, DVM  
Director of Animal Hospital  
Technology  
Colby Community College

A new and exciting career is animal hospital technology. It is taught in a two year program designed to train a person to be an x-ray technician, a medical technician, an anesthetic technician, and a surgical assistant.

Animal technicians have been readily accepted by the veterinary profession and they are working in many animal hospitals throughout the state. They work in both large animal and small animal practices and some work in zoos and research work including laboratory animal facilities.

Colby Community College has been a leader in the training of animal technicians and has one of 12 programs nationally accredited by the American Veterinary Medical Association. The curriculum is periodically examined by the advisory committee on paraprofessional

programs, a standing committee of the Kansas Veterinary Medical Association, as well as the committee on animal technician training of the American Veterinary Medical Association. The program is under the direction of two Kansas licensed veterinarians and one medical technologist. All clinical instruction is by professional personnel in the school clinical pathology laboratory and in a new teaching laboratory using both small and large animals, x-ray, surgical nursing, and animal nursing facilities.

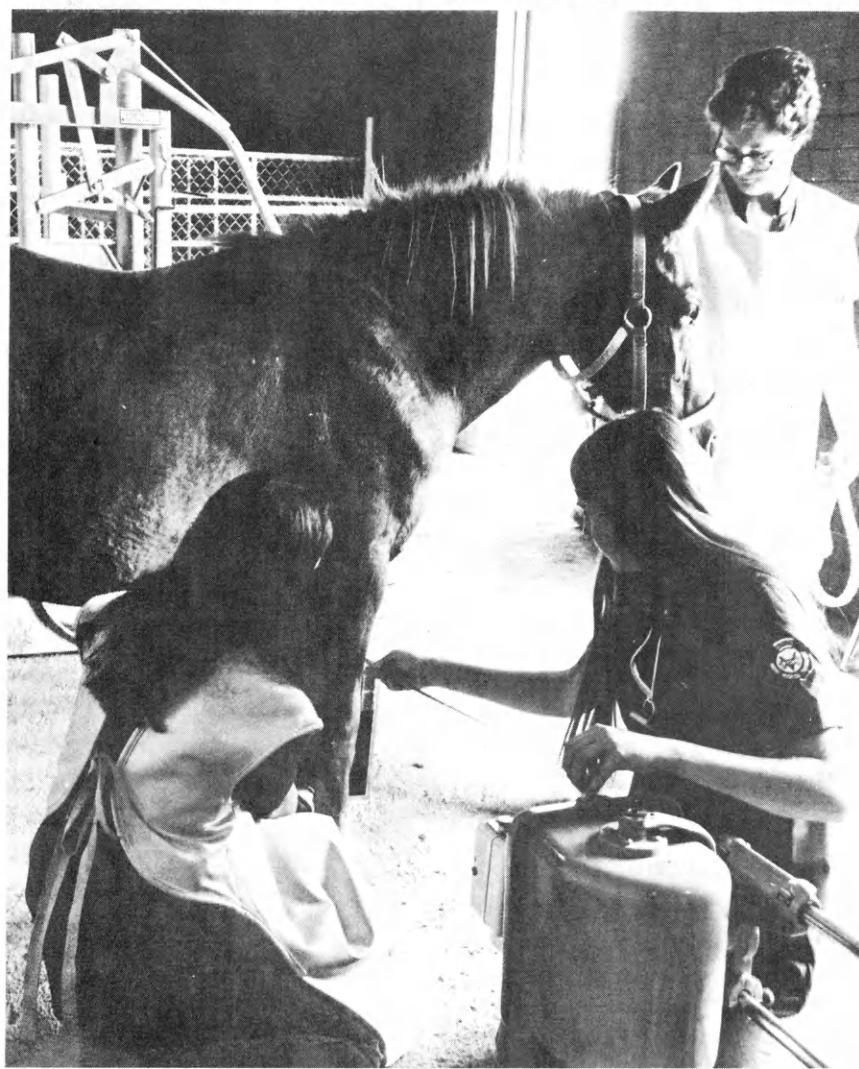
Kansas animal technology goals are: 1. To train animal hospital technicians with basic knowledge required to adapt in a very short time to any veterinary employer's needs in both food animal and companion animal medicine. 2. To establish a foundation upon which the veterinarian can easily give advanced training with minimum time and effort. 3. To train a qualified x-ray technician, anesthetic technician, and surgical technician.

Of the first 48 graduates of the program, 20 are employed in mixed practice clinics, 20 by small animal hospitals, and 7 in related research positions. All of those persons have graduated and passed a board examination and are Kansas Registered Animal Hospital Technicians. The curriculum in animal technology includes many courses from the college faculty such as biology, principles of animal science, principles of sanitation, agribusiness mathematics, techniques of business relationships, anatomy, chemistry, clinical pathology, microbiology, x-ray technology, and surgery technology.

Each year about 100 in-state applications and about 40 out-of-state applications are received for this program at Colby College. Approximately 60 students are interviewed and 25 are accepted into the incoming class. Since the demand is growing, it may be necessary to enlarge the classes somewhat.

If anyone is interested in applying to Colby Community College's Animal Hospital Technology program, they should send their high school transcript and ACT scores to Colby Community College's Registrar and a letter to Dr. Keith Beeman, Director of Animal Hospital Technology, requesting the special application form. When it is submitted include an autobiography and a picture; later, in early May, you will appear for a personal interview before a selection committee. The application procedure should be completed before April 15.

Applicants from all areas of Kansas who possess the necessary combination of motivation, academic ability, personality, and career objectives will be selected. The application procedure for this new para-medical career must be completed by April 15 to be eligible for interview and selection and subsequent entry in late August. A few nonresidents of Kansas are accepted into the program each year and are encouraged to apply.



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Of all the honors that can be gained in 4-H work, none is more prestigious than the Kansas 4-H Key Award. Regulations for Key Award consideration are stringent; only about one percent of the state's members are given this recognition each year. Candidates must first meet mandatory requirements which include a minimum of three years of club work completed, participation in at least two out-of-county events, enrollment in Junior Leadership during the current year, and two letters of recommendation—one of which must be from the adult leader of the club.

In addition to these and other basic qualifications, each nominee for the 4-H Key Award must have demonstrated

outstanding contributions in leadership, citizenship, and community service. Exhibits, demonstrations, judging, public relations work, the holding of offices, and evidence of handling increased responsibilities in projects are also considered by the State Awards Committee when determining whether a 4-H'er has earned this honor.

With so many factors considered, the 4-H Key Award obviously is recognition for leadership development. Simply stated, it recognizes members who have lived up to the high ideals expressed by the 4-H pledge. It is an award to strive for with determination . . . to win with a feeling of accomplishment . . . and to wear with pride. Congratulations, winners!



## ANNOUNCING THE 1975 KANSAS 4-H KEY AWARD WINNERS

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<b>Anderson</b> Lorena Croucher Paula Bennett Diane Sprague	<b>Clark</b> Barbara Blankinship Valerie Brown
<b>Atchison</b> Susan Sternsdorff Tyrone Compton Elizabeth Schesser Peggy Taliaferro	<b>Clay</b> Chris Visser Eric Carlson Yvonne Visser
<b>Barber</b> Clint Rusk Nancy Reed	<b>Cloud</b> Randy Johnson Bradley Fuller Deanna Johnson Duane Lewis
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## ***Education costs—***

# ***and how to meet them***

By Jerry Rogers

Office of Student Financial Aid  
The University of Kansas  
Lawrence

As a high school student looking into the future, perhaps you have been discouraged when you hear and read about the high costs of post-secondary education. If you have discussed this with your parents, they probably told you how difficult it is just to exist from day to day in today's inflated economy. Discussions like this have shattered the dreams of many students who gave up in despair before investigating possibilities. There might be more opportunity for you than you think! There are many, many different types of financial assistance for students today who are in need of additional money to finance post-secondary education. Your high school counselor can advise you not only of the benefits of various programs but in the procedures which you must follow to make an application. High school counseling centers generally have a wealth of information regarding all types of post-secondary schools. This is where your investigation begins.

But let's get back to financial aid. At the school of your choice, wherever it is, there is a financial aid officer who works every day with students who are in need of financial assistance to attend school. If possible, take a day off and go to the campus and visit with the financial aid counselors as well as admissions counselors and academic deans or department heads. All of these people are there to serve you and will be more than willing to tell you of anything which will be of importance to you.

A little over three years ago, Congress enacted legislation to underwrite a new program for students to assist them in attending college and other post-secondary institutions. This program is called the Basic Educational Opportunity Grant (BEOG). This is an entitlement program for all students whose parents' income and assets might not be sufficient for them to meet all the expenses encountered with enrollment in post-high school institutions. More specific information can be obtained from your high school counselor. Students may

qualify for as much as \$1,400 in gift aid for one academic year, depending upon the cost of the institution which they are attending and the Eligibility Index established by the application which their parents have completed. Applications may be obtained either from your high school, the local post office or library, or at any college or university. It will take your parents only a short time to complete the form. Most of the information which they must provide can be taken directly from their previous year's income tax return. Mail it in the envelope provided and, within three or four weeks, you will receive a Student Eligibility Report (SER). If you are

considering more than one school, you might want to send xerox copies of your Eligibility Report to each of them. The financial aid officer can evaluate the report and inform you of the amount of the grant at his or her particular institution.

There are other ways to secure funding in addition to the Basic Grant (BEOG). Most institutions of higher education administer good long-term, low-interest loans with a very favorable repayment plan which doesn't start until approximately one year after you terminate your study. This is called the National Direct Student Loan (NDSL). No interest is charged

(Continued on page 33)

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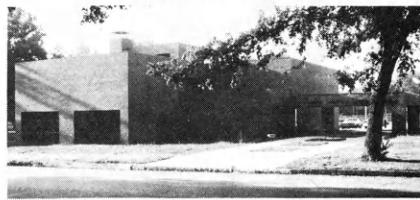
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A handwritten signature of Archie R. Byers.

Chancellor

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Before you make up your mind on your life's work, please think seriously about journalism. Thousands have found it a most enjoyable and rewarding career. Maybe you?

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### Physical therapy\*

By Jessie Ball  
Registered Physical Therapist  
Physical Therapy Education  
The University of Kansas  
Medical Center, Kansas City

Physical therapy is one of the health professions which utilizes such things as exercise, heat, cold, light, electricity, massage, and assistive devices in a variety of ways to treat patients. Depending upon the needs of the patient, physical therapy may be used to improve circulation, restore motion, relieve pain, correct deformity, strengthen muscles, and speed recovery. In this way, patients are helped to be as physically and economically independent as possible.

Physical therapists work only with those patients who have been seen by a physician and sent by the physician to a physical therapist. Physical therapists work in civilian and governmental hospitals, rehabilitation centers, in federal and state programs, in schools for the handicapped, and in offices of physicians.

If you are interested in a health profession and wish to be active and of direct service to patients as well as interested in designing appropriate treatment programs and recording accurate information, then you should like physical therapy. You should enjoy and do well in the study of biological science and be able to communicate effectively. Good health, good judgment, and a genuine concern for the welfare of others are desirable attributes in a physical therapist.

High school graduates interested in physical therapy should attend colleges or universities which offer the prerequisites for admission to a physical therapy curriculum. Four or five semesters are spent obtaining the prerequisites, electives, and requirements for graduation. Three or four semesters (depending upon your choice of university) are spent in the physical therapy curriculum. Application to be admitted to one of the physical therapy degree programs is made one semester prior to the semester you enter the physical therapy curriculum. There are two physical therapy degree programs offered in Kansas: the University of Kansas Medical Center in Kansas City, Kansas, and Wichita State University. There is also a physical therapy assistant's program offered at Colby Community College.

If you do not choose to attend one of the Kansas schools, you may write to the American Physical

Therapy Association, 1156 15th Street, N.W., Washington, D.C. 20005 and obtain a list of physical therapy programs in other states.

It would be helpful to visit a physical therapy department and observe a physical therapist in action. Also, seek out a physical therapy adviser early in your educational career.

Following graduation from an approved school, you will need to become licensed in the state in which you will be working. This usually involves passing a test and paying a fee.

Thus far, job openings have exceeded the number of physical therapists, but that could change depending upon the economy. It is important to maintain a good scholastic record while in school and a good personal record in order to compete well when applying for admission to a physical therapy program. There is still need for qualified, well trained persons in physical therapy.

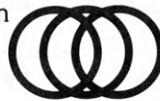
For further information, please write to:

Physical Therapy Education,  
University of Kansas Medical Center,  
39th and Rainbow, Kansas City,  
Kansas 66103.

Department of Physical Therapy,  
Wichita State University, Wichita,  
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Physical Therapist Assistant's  
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## *The Kansas Medical Society*

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# Social work—a helping profession

By John Bower  
Associate Professor of Social Work  
Tabor College  
Hillsboro  
and  
Mary Franz  
Senior Social Work Major  
Tabor College  
Hillsboro

Ask 10 people what social work is and you might well receive 10 different answers. Social work has tended to be whatever someone wishes it to be. The purpose of the following comments is an attempt to increase the understanding about social work for the general public and particularly for anyone who might be considering social work as a professional career.

## SOCIAL WORK'S PRIMARY CONCERN IN SOCIAL WELFARE

A part of man's reality is that he is a social creature, a member of a community and family. Attempting to help a person without an understanding that he is a part of something larger than himself is usually less than adequate.

Social welfare is not a profession, but rather a concept which stands for a conglomeration of programs and activities designed to assure the "well being" of people in the community. Literally, social welfare means "social well being," a fairly comprehensive analysis including how a person is getting along with self, spouse, children, working peers, community, school, and government. Social work is the profession which has social welfare as its primary concern.

You might be ready to ask the question, "What aspect of life is not the social worker's concern?" The immediate answer in the general sense is that no aspect of life which affects people escapes the concern of a social worker. Obviously, social work does not meet all the needs of people. The social worker is aware that many human needs are met through five primary social institutions: education, religion, family, government, and economics.

However, not everyone in the community is in touch with these resources, nor is everyone in the community capable of using these resources. Therefore, social workers strive to influence society towards recognizing social welfare as

the sixth primary social institution. It should be accepted that in our very complex industrial, technological society, there will always be people whose needs must be met through the institution of social welfare. In this context, social workers provide a variety of services to individuals, families, and groups. These services may range from helping a person find a job, to assisting a teacher to understand her class better, to providing direct therapy or counseling for a person with emotional problems. Social work-

ers are concerned that children have good schools, families have resources to help them rear their children, and that people have access to adequate medical care.

## SOCIAL WORK IS EDUCATION

The preceding comments begin to show the complexity of a social worker's vision, responsibility, and specific role in the community. It is absolutely essential that social workers receive the highest degree of preparation for the level of responsibility they will have to assume.



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The profession of social work has made a basic judgment that preparation for the beginning level of practice is a baccalaureate degree in social work from a Council on Social Work Education accredited program. This entails at least four years of concentrated study in both the liberal arts and professionally oriented courses leading to a BSW or BASW. The baccalaureate social worker is a recognized member of the profession which includes the

rights of full National Association of Social Workers (NASW) membership. More advanced levels of social work practice require an MSW or a DSW.

### SOCIAL WORK IS PROFESSIONALISM

Any occupation recognized as a profession has three important characteristics; a highly specialized body of knowledge, a set of skills utilized for the benefit of the client, and a code of ethics or values. Social work is emerging rapidly into the circle of professions with a common base describing the knowledge, value, and intervention repertoire, (the set of skills) uniquely social work oriented. Licensure is a recent development for the social work profession, a topic discussed later in this article.

Professions are also identified through organization membership. Many social work professionals belong to NASW. This organization works to maintain high standards of practice, while enforcing a code of ethics for the profession. NASW is concerned about the growth and development of the profession. Also it speaks to many broader societal needs which the profession of social work needs to directly influence.

### SOCIAL WORK IS LICENSURE

Although the following comments would not be true in every state, Kansas social workers must be licensed as specified by state law. Licensure may be obtained at four levels.

An individual who has a human service degree at the two-year level

(Continued on page 26)

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## Social work

(Continued from page 25)

or baccalaureate degree in a related field, having completed 15 hours of social work courses including field experience may be licensed as an associate social worker (LASW). A baccalaureate degree in social work from a Council on Social Work Education accredited program makes one eligible to be licensed as a baccalaureate social worker (LBSW).

With a master's degree in social work one may be licensed as a master social worker (LMSW). There are also opportunities to be licensed in specialties and to be certified to practice social work on a private basis if requirements are met.

An important aspect of licensure is the continuing education requirement which assures that over a period of four years an individual obtains 120 clock hours of social work related education to help maintain professional practice standards.

## CONCLUSION

The social worker often is identified by various job titles. These titles may include names such as professor, administrator, director, counselor, probation officer, coordinator, therapist, or social service worker. However, social work is a profession first and foremost and not simply a job role or job function.

A person becomes a social worker through professional edu-

tion, accepting a code of ethics as a guide for practice, identification with the profession, and in Kansas, through licensure.

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See Listing Page 14

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See Listing Page 14

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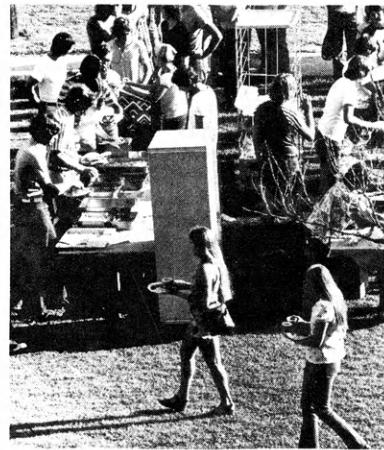
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# A career in agriculture in this bicentennial year

By Dr. David Mugler

Assistant Dean of Agriculture

Kansas State University, Manhattan

George Washington once stated, "Agriculture is the most healthy, the most useful, the most noble employment of Man." In this bicentennial year employment in agriculture remains as rewarding and challenging as in Washington's time.

Men and women studying agriculture today seem to have it all: the personal satisfaction of becoming part of the backbone of the nation, the hope of the world, the respect and even envy of their peers, and enthusiastic pursuit by employers. That sums up the opportunities in agriculture today.

Agriculture, or agribusiness as it is commonly referred to, produces food and fiber. It includes firms that supply such things as seed, feed, fertilizer, machinery, credit, and fuel to keep the wheels of modern-day production agriculture going. Agribusiness assembles, processes, stores, transports, and markets products to meet the ever-growing demands of the American people. Consumers now have available at-

tractively packaged and ready-to-cook foods during all seasons. Included in agriculture is the public sector of such professional and technical persons as county agents, agriculture teachers, scientists, community planners and developers, and park and recreation area managers.

Enrollments in agriculture across the country have increased greatly. At Kansas State University enrollment in agriculture has more than tripled from 720 in 1963 to 2,181, including 486 women, in 1975. Even

with such a sharp increase in students selecting agriculture as a field of study, we have not met the demand for graduates in agriculture. In 1975 there were 1.53 jobs in the food and fiber industries for each person trained in agriculture in the 13 north central region states. Never before have there been so many different occupations for young men and women who are looking toward careers in agriculture.

Graduates in agriculture at Kan-  
(Continued on page 29)

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### Collegiate 4-H Club

A chapter has been organized on the Barton County Community College Campus. The organization provides the students the opportunity of continuing their experiences in 4-H. Much of the group's work will center on youth-fellowship and community service.



### College-General

Barton County Community College is committed to educating the youth of Kansas. Through its transfer related and career-oriented curriculums the college offers a program for most students. The college is fully accredited and maintains a quality staff. For further information contact the Admissions Office on the campus.

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## Agriculture

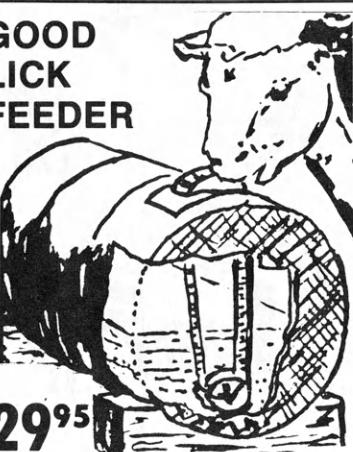
(Continued from page 27)

sas State play an important part in solving the world food problems. A recent survey showed 84 per cent of them who were originally from Kansas employed in Kansas. Nearly one-third of them were in production agriculture, farming, ranching, and greenhouse management. That is easily understood since Kansas ranks first in the nation in wheat produced, flour milled, and sorghum silage produced, and second in total cropland and sorghum grain produced. The Sunflower State also ranks third in land in farms, fourth in all cattle and calves produced, and eighth in hogs produced.

Other agriculture graduates become agricultural loan officers, 4-H youth leaders, vo-ag teachers, radio and TV broadcasters, field representatives for agribusiness, soil conservationists, pesticide applicators, food scientists, managers of local cooperatives, ASCS office managers, urban horticulturists, park rangers, garden center managers, or one of many other challenging positions in modern-day professional agriculture.

(Continued on page 30)

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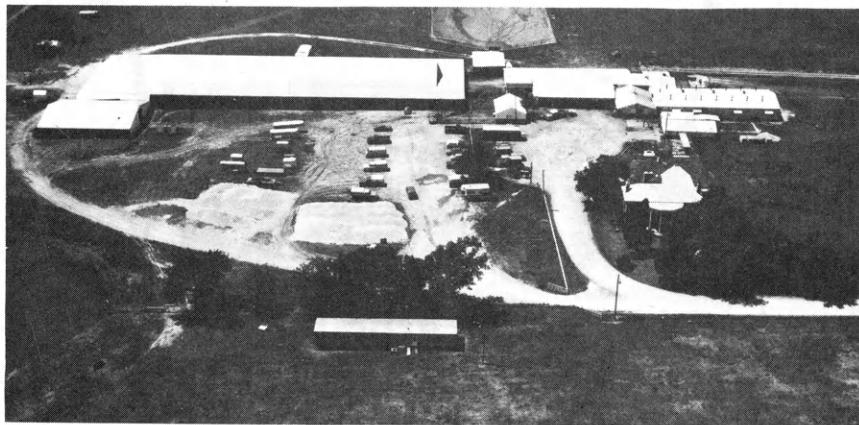
## Agriculture

(Continued from page 29)

Kansas is in the middle of the USA's bread basket and beef belt, the heart of the largest, most productive food system in the world. 4-H members make things happen in all phases of agriculture. The challenges facing agriculture in the future will not be solved by strikes, parades or sit-ins, but by young men and women who have knowledge, character, and integrity and are dedicated to serve in our nation's greatest industry in this bicentennial year and in years to come.

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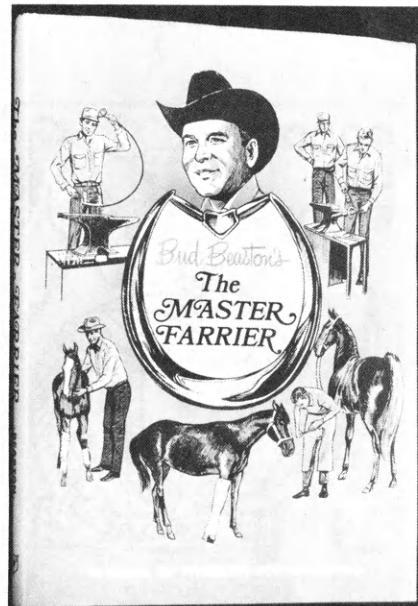
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## Child care

(Continued from page 3)

quiet, other boisterous; some are dainty and precise in their movement; others are awkward or bound along and give little attention to detail; some work quickly, others more slowly.

CCWs discover that children need activity and will find it. Children do not spend much time in quiet meditation. They are on the go, finding out, trying out, drawing conclusions. If left to themselves, children may find activity that is constructive or not so constructive. They may need help in choosing appropriate activity for indoors or outdoors, or just before bedtime, or periods when other children are sleeping.

These activities often involve materials of which the CCW must be aware. Paper and pencil means write or mark. Children do not fully understand when such activity is taboo because of the materials involved or the ownership of the materials. If the paper is the second page of a math assignment, marking activity is defined in a quite different way by the owner of the math paper (by the adult involved) than if it were a scratch sheet which was ready for the discard pile. But this must be learned by both the child and the CCW. Both take time.

What can parents learn? Something more about their own children, perhaps! Perhaps parents can get ready for a CCW in a different way than is usually used—adopt a new approach in preparation for a “substitute parent.” Indeed, the person who comes to temporarily care for children needs the list of telephone numbers and the plan for any necessary emergency action. But this is not all that is important. Parents could let the CCW know some things about this particular child: What about him today? What about him generally? What things are important to him? His nickname? The cat’s name? Something nice which happened to him—or something which disturbed him?

If I employed a CCW, I would ask that person to share with me something that happened to her during the time she spent with my youngster. Did she get tired? Frustrated? Was it a good experience for her? This would tell me something about the person I had hired, about my child, and about myself in terms of how I reacted to what she said. It

(Continued on page 34)

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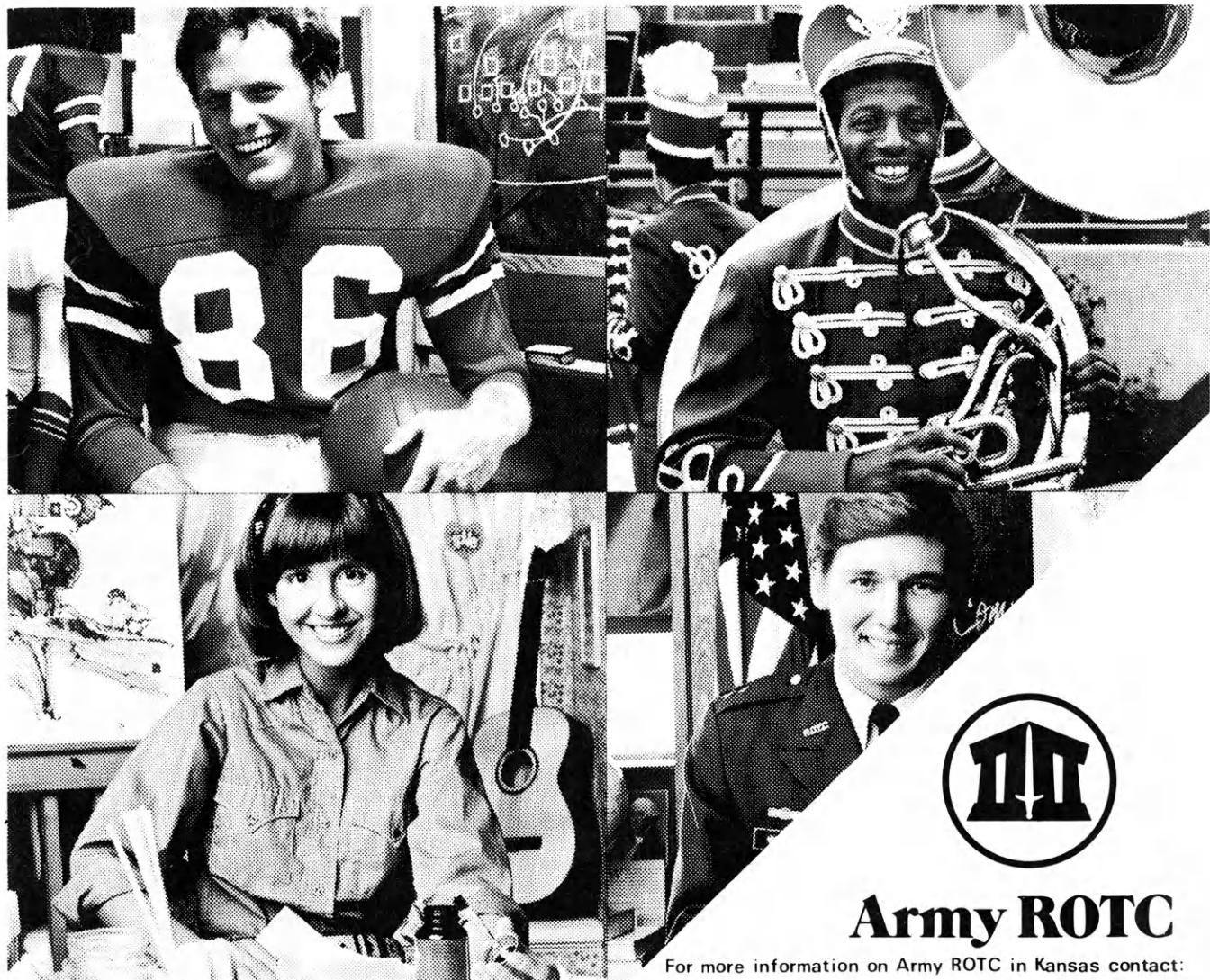
Some want the personal benefits they'll get from a pure leadership course. Others want the experience they'll get from serving as an Army officer, and the headstart it will

give them in a civilian career.

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## Army ROTC

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## Costs

(Continued from page 20)

during the time that you are in school and the rate is only 3 per cent during the repayment period. Generally, payments are not of such magnitude as to create a hardship on any one. Borrowing is never easy to justify, but this program is certainly worth consideration. Some students have stayed out of school for a period of time to work, earn, and save money to get back into school. Others would argue that since your earning power theoretically should be better upon graduation from a post-secondary school, it makes sense to stay in school, borrow through a low-interest loan program and pay for your education following its conclusion. Of course, you would be in debt upon leaving school.

Most post-secondary institutions also administer scholarships (gift aid), Supplemental Educational Opportunity Grants, (SEOG) (gift aid), and can also assist you in finding a part-time job. Sometimes there are scholarships in your own community for which you might be eligible. Your high school counselors will be aware of these.

The State of Kansas has a Scholarship Program which should be of interest to you. Once a student is selected, he is potentially eligible for up to \$500 per year for four years of study. By all means, you should check into this. Many of the recipients are only average students but are making steady progress toward their diplomas and receiving financial stipends each year.

Your counselor will be able to tell you what forms you will need to use to apply for financial aid programs administered by the school of your choice. One of these will most certainly be a financial statement that must be filed by your parents. Before you are eligible to receive financial aid, the financial statement must indicate that you are actually in need of funds over and above that which could be provided by your family. Most schools require a separate financial aid application in addition to an admissions application.

There is another excellent student loan program called the Federally Insured Student Loan (FISL). Go to the local bank where your parents do business and talk with the loan officer. The details are

somewhat similar to the NDSL mentioned earlier, but the interest rate is slightly higher. However, the requirements for eligibility are not nearly as strict.

Whatever you may be thinking by this time, don't give up until you have investigated possibilities for participating in some of the programs which have been mentioned. Perhaps you have put this off too long already. Most schools have priority dates for receiving applications. Those students who file after that date receive a lower priority in the awarding cycle. Although it differs among schools, February 15 is an approximate date by which an application should be submitted. The parents' financial statement should be sent approximately one month before that. Even though the February 15 date may have passed, you should investigate if you are interested. Some schools may have funds left over to award.

I hope that, by this time, you can see that there very likely might be a way in which you could receive financial assistance to continue your education. There are many students today who are taking advantage of several of these programs at the same time. Visit with your counselor or write to the college or proprietary school of your choice. Post-secondary education can be extremely important to you in developing knowledge and skills necessary to sustain a good life following your graduation. Start today—opportunity may be waiting for you.

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## Child care

(Continued from page 31)

would give me some opportunity to help the CCW to grow a bit. It would give me a time to explain or interpret some of the things that had happened and to set up the situation in a different way the next time in order to forstall difficulties that may

have arisen. Perhaps the time of returning home is not the best time for this sort of talk; everyone is probably weary. But this approach would set up a pattern of supervision for which the parent is really responsible. Both parent and CCW would profit.

And what of the child himself?

He too can learn. He learns that parents have needs; that they have lives of which he is not the center and which may indeed make them more available to him at other times and more interesting to him. As children grow older this truth becomes more evident and more important. They learn too, that parents want to trust them, and to give them opportunities to deal with growing up, which includes relationships with and responses to other adults as well as other children. As children grow older they should be given increasing input into the selection of people who will stay with them and care for them in the absence of their parents.

Talk with your child about his experiences with the CCW: the things he enjoyed; the things which frustrated him. Make plans with your child in order to accentuate the positive and eliminate the negative the next time. In this way he learns that his feelings count and he can have an impact on the things that happen to him which strengthens his feeling of self-worth and encourages him to seek ways of solving problems.

These things do not just happen. Adolescents need to be taught how to learn from their experiences with children. What would happen if there were an on-going discussion group in which all those involved in this "cottage industry" came together with a person knowledgeable in child growth and development? The group would share and examine various experiences and then begin to interpret and generalize from them.

The CCWs would be encouraged to talk about and describe experi-

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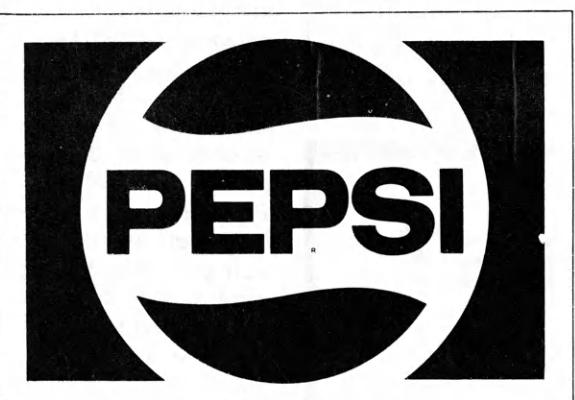
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ences with children and parents. They could explore explanations for the things they saw and felt and then begin to experiment with solutions: What would happen if I . . . told Mrs. Brown about this? Or talked in a quieter voice? Or followed through on the bedtime requirements? Or planned a place to keep my belongings out of Keith's reach?

But not problems only would make up the topics of discussion. There would be attention to the amazing things that children know; the skills they have; differences between older and young children, among boys and girls, among chil-

dren in the same family.

We have a resource at our fingertips to teach parenting, a sorely neglected subject. We have a readily available laboratory in human development. To utilize this resource there must be time for talking, thinking, reaching conclusions, and then trying out new approaches. Could this be done in 4-H? During an official period in the public school day? In a group within a church congregation? We are missing a valuable parenting education opportunity if we fail to help youth and parents use this time to learn about children and their development.

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Ottawa Advertisers	26
Pratt Community College, Pratt	30
St. John's College, Winfield	23
Salt City Business College, Hutchinson	6
Salina Advertisers	25
Salina Area Vocational-Technical School, Salina	5
Sangamon Mills, Cohoes, New York	6
Savings & Loan Associations of Kansas	20
Southeast Kansas Area Vocational-Technical School, Coffeyville	6
Southwest Kansas Area Vocational-Technical School, Dodge City	7
Spartan School of Aeronautics, Tulsa, Oklahoma	21
Sterling Advertisers	25
Tabor College	24
"The Master Farrier," Sperry, Oklahoma	30
Thermal Shield, El Dorado	17
University of Kansas, Lawrence	22
Winfield Advertisers	26
World Company, Lawrence	22

# Electric project leaders are invited to Rock Springs Ranch March 4 and 5

All 4-H electric project leaders in Kansas, including junior leaders acting as adult leaders, are invited to Rock Springs Ranch March 4 and 5 for training in guiding the electric project. Meals and lodging will be provided for the leaders by the power suppliers of Kansas.

Registration is from 8 to 9 Thursday morning, March 4. Persons from a distance are invited to arrive the night before, if they wish to. The program will end Friday afternoon between 2 and 3.

Classes in basic electricity will be taught for less experienced leaders, with more advanced classes in wiring and tools and in electronics.

Topics of other classes will be

judging and fair exhibits, electrical safety, wise use of lighting, efficient use of electricity, and projects 4-H members can build.

A highlight will be an idea fair and workshop on Thursday evening.

Instructing the classes are persons from: the Kansas Power and Light Company, Kansas City Power and Light Company, Central Kansas Power Company, Kansas Gas and Electric Company, Western Power Division of Central Telephone and Utilities Corporation, and persons from these electric cooperatives: C. and W. Rural Electric Cooperative Association, Jewell-Mitchell Cooperative Electric Company, Norton-Decatur

Cooperative Electric Company, Flint Hills Rural Electric Cooperative Association, Coffey County Rural Electric Cooperative Association, Wheatland Electric Cooperative, Ark Valley Electric Cooperative Association, CMS Electric Cooperative, Kaw Valley Electric Cooperative Company, Sumner-Cowley Electric Cooperative Association, and Sedgwick County Electric Cooperative Association. Other power suppliers in Kansas assist financially with the training clinic.

The state 4-H department and the department of agricultural engineering at Kansas State University coordinate and assist with the program.



What are you or your family doing to conserve energy? Please send your ideas, with illustrations if possible, to Electric Page, Kansas 4-H Journal, Umberger Hall, KSU, Manhattan, Kansas 66506.

\* Watch This Page For Ideas On Farm And Home Electric Projects

## ELECTRIC LIGHT and POWER COMPANIES in KANSAS

The Kansas Power and Light Company  
Kansas City Power & Light Company  
Western Power Division of Central Telephone & Utilities Corporation

Central Kansas Power Company  
Kansas Gas and Electric Company