

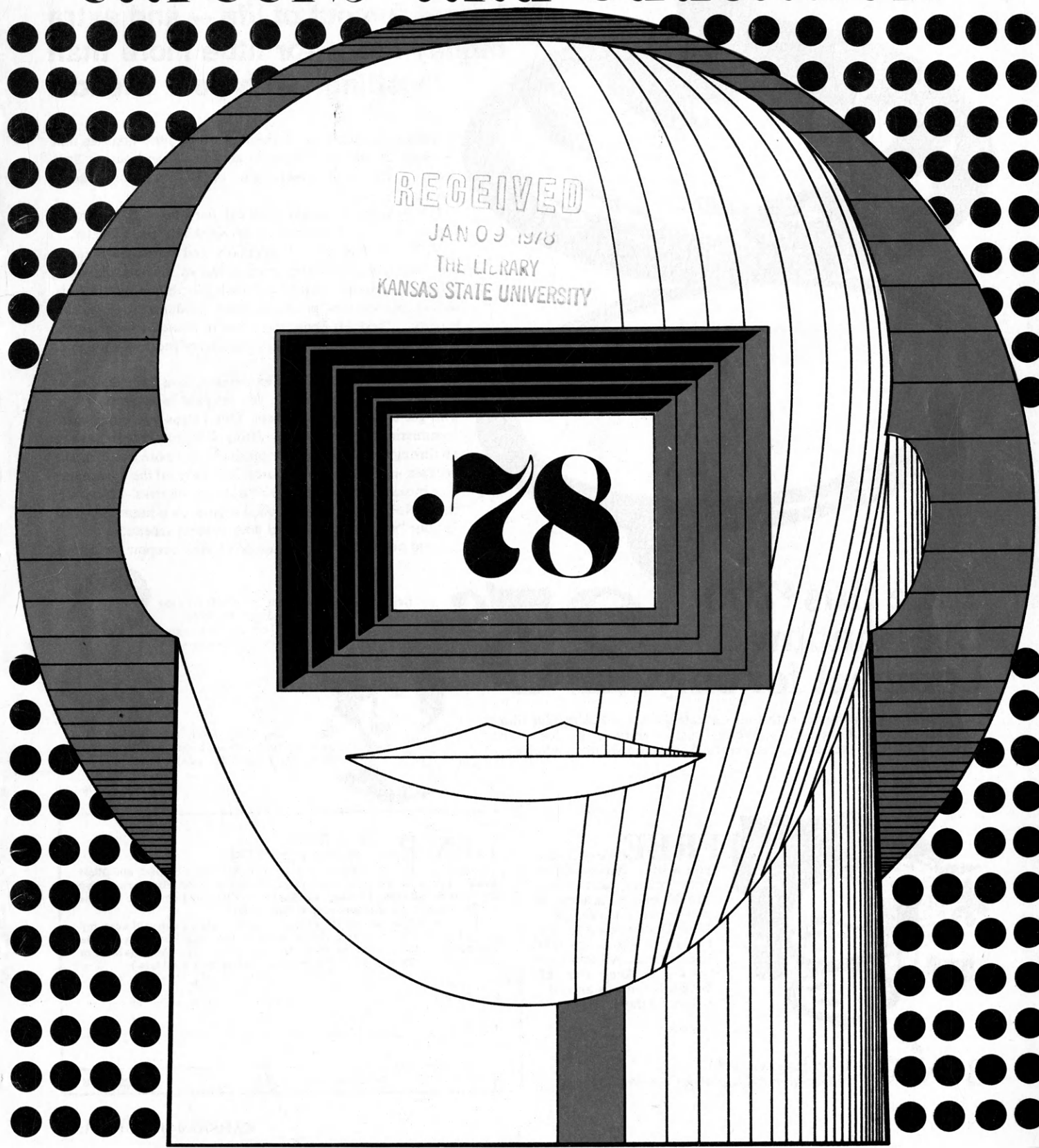
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Kansas 4-H Journal

Illustration by David Harmes

January 1978

careers and education



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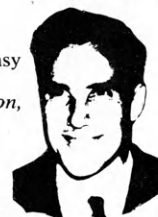
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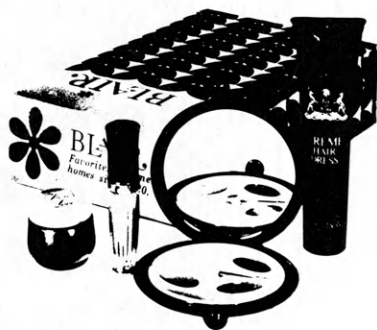
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Selecting a suitable career

Dr. Hess thinks it's tragic for people to be in the wrong occupation, and he's guided many into the right occupation in his work as the director of a vocational guidance and counseling service in Auburn, Indiana. As a lecturer, he has spoken to thousands of boys and girls, young adults, and adults. Dr. Hess has been a consultant for the United States Army, the Veterans Administration, and business and industrial firms.

By Lawrence W. Hess
Auburn, Indiana

Did anyone ever ask you this question, "What do you want to do with your life?"

One of the most vital decisions in a youth's life is the selection of a suitable career. And why? Because your life work will largely determine the kind of a life you will live.

Since choice of a suitable career is so important, careful planning is necessary. Life Planning is the process of getting to know oneself reasonably well and of finding one's place in life. This means setting a career goal. To do this wisely and intelligently, you must obtain information about various ways of earning a living.

What is a suitable career? It is one which you like and which likes you. When you possess, in most respects, the ability to perform its required duties and enjoy the work —

then you are suited for that career. And if you can visualize benefits aside from the pay that you'll receive from it — that's another plus sign of a favorable choice.

If you are not happy in your career, you cannot be happy in your life. If you don't like your life work, you are never going to be good at it. That means you cannot live happily and zestfully the rest of your life. It means you will be at least somewhat crippled physically, mentally, emotionally, perhaps socially, and even possibly, spiritually.

Actually, what people crave is meaningful work, which will bring them respect, some recognition, and pride in a job well done. Yet, they get into boring unsuitable careers (and often have to remain in them) while the years roll by. As one person commented about working, "I want some daily satisfaction as well as daily bread out of my work and I want to be remembered for something."

Most workers spend approximately one-third of each day in activities related to their careers. But often greater energy and care is expended in selecting clothing or planning an automobile trip than in choosing and preparing for a career. Actually, most persons did not pick their life work at all. Consequently, many stumbled or happened by

chance of time or place to fall into it. A recent survey reported that 80 per cent of the work force in the United States is misemployed. This has contributed to and still continues to increase the many personal, social, and economic problems plaguing our country today, with shocking waste of our human resources. In one word: TRAGIC!

It is not known how many and the kinds of factors that influence career preference. But some of them are: family (sometimes parental pressure), friends, experience, sense of values, motivation, skills, hobbies, finances, previous education. Several reasons which cause youth to be unrealistic in selecting their life work: misdirection and lack of information, labels still used in classifying careers according to social status or prestige, the over-emphasis of the four-year college degree. Another is poor adult example for youth in developing equal respect for all work that is honest and honorable.

There are various differences and situations in the lives of all of us. The basic psychological principle is the "law of individual differences." This includes our limitations and our capabilities. But youth need help in determining them. The limitations must be faced realistically.

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Kansas 4-H

Journal

Vol. XXIV, No. 1 January 1978

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A suitable career

(Continued from page 3)

Next the capabilities must be identified. Then these, through persistent application and appropriate training, must be developed to the best of one's ability. Society needs the maximum development of the potentialities of all its citizens.

From my years of experience as a career counselor, I've heard frustrated clients complain about unhappiness with their work. At one time I thought that such persons and those who changed employment frequently were "job jumpers," and that they couldn't stick to any-

(Continued from page 5)

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thing. But after counseling with such individuals, I realized they were still groping to find a suitable and satisfying work life. They have been going on as total strangers to themselves with no idea of the talents and abilities they possessed.

As a result, most employees use less than one-fourth of their inherent learning potential. I constantly wonder why we fail to recognize the tremendous need to help youth choose suitable careers. Irving Babbitt, a famous educator, said,

"We must find happiness in work, or not at all."

Career exploration and career-decision-making is based on all these essential factors to aid youth in their career planning:

Formula for Choosing a Suitable Career

Physical Capacity	Level of Ability to Learn	Talents or Aptitudes
SELECTION OF A SUITABLE CAREER REQUIRES CONSIDERATION OF ALL THESE FACTORS		
Interests	Desire to Learn	Personality Temperament
Previous Education		Previous Work Experience

1. Health (physical, emotional, soul)

Basic to everything is good health; it is your most valuable possession. You are responsible for maintaining your own health. With good health, you have a chance; without it, all other aspects of your life are diminished considerably. Unfortunately, many people do not show much concern and respect for their own health.

2. Interests: what you like to do, including hobbies

Areas of Interest: literary (words); computational (numbers); mechanical; scientific; artistic; clerical; persuasive (speaking fluently); social service (working with, serving people); musical; finger-hand dexterity (using the hands)

3. Aptitudes: talents (special abilities) — are often latent, unknown, and can be determined through testing. Keep in mind that aptitudes can be trained and developed but not created. For each interest area there is a corresponding aptitude. Example: computational interest and computational aptitude.

Interests determine the direction you want to go;
Aptitudes determine how far you can go.

4. Your inherent endowment (potentially for learning) (average, above average, good)

5. * Personality Temperament (introvert, ambivert, extrovert)

6. Desire to Learn (average, above average, strong)

7. Previous Education and Previous Work Experience

The more you know about your interests, potentiality for learning, aptitudes, and personality temperament, the better chance you will have for choosing a suitable career. But remember to set your career goal within the limits of reality and attainability.

You've thought about yourself; now think about careers.

1. Write names of several careers you wish to consider — then list for each one:

Advantages

Disadvantages

Training Required

2. Read pamphlets about these careers; observe the daily duties of these workers; arrange to talk with these individuals about how they decided on them and the training required. Ask for some information about the job market.

(Continued on page 6)

A suitable career

(Continued from page 5)

My interest in career guidance resulted from the difficulty I experienced in choosing my life work. I didn't know which career to pursue. I needed help. I mention my life as an example of floundering around for several years. And that's the main reason I became a career counselor. So from this experience, one of my composed statements is directed to youth: "You must **plan for** and **prepare for** your **FUTURE** for that is where you will spend the remainder of your life."

Let everyone become what he is capable of being. Blessed is the person who has found a satisfying work life. Enjoyment from work is perhaps the most powerful influence in the realization of happiness. Satisfaction from work helps keep people healthy.

My best wishes to all Kansas youth — may all of you through your chosen suitable careers use your God-given talents to have a life of supreme usefulness, happiness, and dedicated service for the betterment of mankind.

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The Kansas Medical Society

1300 Topeka

Topeka, Kansas

Choose a career with a future

Kansas Department of Human Resources Topeka

Choosing a vocation is a very important and difficult decision in today's competitive job market. Although there is no blueprint to accurately map tomorrow's job demand, historical patterns and labor statistics may assist a student in his or her career planning.

Career planning should begin early. When considering a specific field of study, students must consider their abilities, interests and training. Advancement opportunities, employment trends and training requirements are also very important indicators.

During the next decade there will be an increased need for clerical workers, service people, professional and technical persons and managers and craft workers. These categories are expected to have more than 5,000 openings each year between 1978 and 1985.

Other occupations will also have openings as a result of replacement needs and employment growth. In Kansas, a 17 per cent growth rate is expected before 1985. The total number of employment opportunities in our state within the next seven years is expected to reach nearly 500,000.

College

College graduates are beginning to experience better employment prospects than in recent years, especially in science, engineering, and business. However, graduates with non-technical degrees are still facing limited employment pros-

pects. Many college graduates will experience underemployment (jobs that do not require full use of their training skills). In the future, this may prove to be a greater problem to college graduates than unemployment. Several occupations that require a college degree and that are expected to have sizable worker requirements from 1978 to 1985 are included in the following list; the figure indicates the job openings estimated for each year in Kansas.

Accountants, 600; elementary teachers, 1,625; technical engineers, 900; lawyers, 250; librarians, 225; office managers, 325; medical doctors and osteopaths, 350; registered nurses, 850; secondary school teachers, 550; and social workers, 250.

Junior College and Vocational Technical School

Job prospects for students completing programs at Kansas junior colleges and area vocational-technical schools are good. As automated equipment is introduced into more occupational fields, the emphasis on specialized training will continue to grow.

In some fields, such as crafts, specialized vocational training is preferred by employers above a college degree. Workers with vocational training will also be competing successfully with college graduates for paraprofessional and technical jobs.

Several occupations that require junior college or vocational training

short of a four-year college degree which are expected to have a significant number of job openings, in relation to the number of trained persons, between 1978 and 1985 are listed below, with the expected annual job openings in Kansas.

Auto mechanics, 400; barbers, 100; computer and peripheral equipment operators, 150; dental hygienists, 75; drafters, 250; engineering and science technicians, 425; farm implement mechanics, 100; hairdressers and cosmetologists, 625; licensed practical nurses, 700; radio and television repairers, 125; X-ray technicians, 100; and welders and flame cutters, 800.

(Continued on page 8)



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Careers

(Continued from page 7)

Apprenticeships On-The-Job Training

Another way of obtaining good jobs is through apprenticeship programs. Apprenticeships combine on-the-job training and classroom instruction, and they last between two and five years. An apprentice usually receives wages of about 50 per cent of what a journeyman earns.

Since there are many more applicants for apprenticeships than there are openings, a young person who is interested should find out about requirements and how to make application at an early date. This information, in addition to which apprenticeships are available in a specific area, may be acquired from several sources. These include: a high school guidance counselor, vocational schools, trade associations, unions, and Kansas job service centers.

Several occupations that have sizable worker requirements projected and that maintain apprenticeship programs in Kansas are included in the following list.

Bricklayers will have approximately 50 job openings each year between 1978 and 1985. Employment growth is expected to be moderate. Applicants should be between 17 and 24 years old. Usually, a high school

diploma or its equivalent is required.

Carpenters may also expect moderate growth. About 475 openings will occur each year. Of this total about 75 per cent will arise from replacement needs. Applicants should be 18, and a high school education is preferred.

Electricians will experience a rapid increase in demand during the 1978-85 period. About 250 job openings have been projected to occur annually. Apprenticeships last four years. Applicants must be between 18 and 24 year old. Also, the applicant should have completed high school with at least one year of algebra.

Painters will have about 225 job openings each year in Kansas. Applicants for apprenticeships must have completed high school. Emphasis on arithmetic, mechanical drawing, woodworking, and painting will be helpful.

Plumbers will face a favorable employment situation with approximately 225 openings annually. The apprenticeship program for plumbers in Kansas lasts five years. Applicants must be between 18 and 25 years old. A high school education with emphasis on mathematics, physics, and chemistry is desirable.

Sheetmetal workers will have about 625 annual job openings between 1978 and 1985. Employment opportunities are expected to expand

rapidly during the next several years. Applicants must be 18. A high school education, with courses in geometry, mechanical drawing, and chemistry, is preferred.

High School

Although a high school education does not provide as many employment opportunities as in the past, there are still many jobs that can be obtained with a high school diploma. By careful selection of high school courses, a student can prepare himself for a number of occupations. However, in many occupations an applicant with post-high school training has an advantage over the applicant with only high school training. Also, additional training may be required before the worker can take advantage of advancement opportunities.

Included in the following list are several occupations that can be entered with a high school diploma or its equivalent. Occupations selected for the list have significant worker requirements projected for the 1978-85 period.

(Continued on page 11)

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What about industrial electronics?

By Bob Oblander and Bill Williams
Instructors, Industrial Electronics
Liberal Area Vocational-Technical School

Industrial electronics is one of the most rapidly expanding fields not only in Kansas, but in the world. More and more technicians are needed to install, operate, and maintain the devices now used for communications, data processing, control systems, and entertainment centers.

To meet these needs, Liberal Area Vocational-Technical School* located in Liberal offers a program in industrial electronics. The following is a brief description of the program and the opportunities in industrial electronics.

Courses include:

Basic Electrical and Electronic Principles

Vacuum Tube and Semiconductor Principles

The Use of Test Equipment for Trouble Shooting and Repair

Federal Communications Commission License Preparation

Digital Electronics

Two-way Radio and Entertainment Systems

To do well in electronics, these characteristics will help: Reasonable comprehension of the written word, average mechanical aptitude, good comprehension of numerical relationships, capacity for abstract reasoning, ability to work without continual supervision, and the desire to succeed.

For Kansas residents, tuition and fees are \$180, with books and supplies costing about \$100 to \$220, varying according to the school.

Job opportunities exist for:

Telephone Repairmen

Television Technicians

Two-Way Radio Technicians

Measurement Technicians

Automatic Banking and Business Machine Technicians

Medical Electronics Technicians

Radio and Television Broadcasting Technicians

With some exceptions, beginning salaries range from \$650 to \$975 a month. Even when a salary is low, sometimes the opportunity for advancement is excellent if the employee demonstrates the ability to do the job and the desire to stay with the company.

Industrial electronics is a good

field to enter for the person who desires to continue to learn, is industrious, and wishes to be a part of the technological field upon which society depends for solutions to many of its present and future problems.

*Other Kansas area vocational-technical schools with programs in electronics are located at Arkansas City, Beloit, Coffeyville, Emporia, Goodland, Kansas City, Salina, and Wichita.

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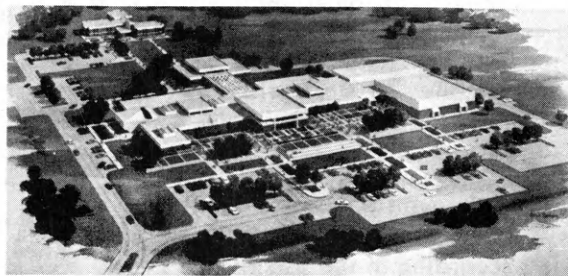
School facilities include: a complete farm production unit of 775 acres plus a complete line of equipment, cow herds, feedlot cattle, bull testing facilities, and swine herds. If you are interested in a professional career in farm and ranch management, you should investigate this program.

Other programs available through the S.E.K. Area Vocational-Technical School include: Machine Shop, Auto Mechanics, Drafting, Printing, Business, Cosmetology, Licensed Practical Nursing, Farm Power Mechanics, Carpentry, and Welding.

FOR FURTHER INFORMATION WRITE:

SOUTHEAST KANSAS AREA
VOCATIONAL-TECHNICAL SCHOOL
SIXTH & ROOSEVELT
COFFEYVILLE, KANSAS-67337

THIS IS ACCJC



ALLEN COUNTY COMMUNITY JUNIOR COLLEGE

Fully accredited by the North Central Association of Colleges and Secondary Schools and by the Kansas Department of Public Instruction. Two-year Associate of Arts Degree. ACCJC is a two year public community junior college—a college mindful of, and responsive to, the needs of youth, and of the community.

ACCJC offers a low cost—high quality education in:

- GENERAL EDUCATION
- COLLEGE TRANSFER
- VOCATIONAL-TECHNICAL

INTRODUCING—NEW AGRICULTURE PROGRAMS

One and two year programs in Farm Management, Agri-business, and General Agriculture.

Write: Director of Admissions
Allen County Community Junior College
Iola, Kansas 66749
Phone 365-5116

An option: Attending vo-tech school

For the young person who is eager to learn a skill which will make him employable soon, a vocational-technical school may be the place to go. Kansas' 14 such schools are open to men and women 16 years old and older. Because there's a waiting list for some courses, it's a good idea to apply well in advance of entry time; right now is not too early to apply for courses starting later this year.

Courses vary from school to school, but all are designed to develop basic skills which may be used to enter an occupation. Most courses are 12 months or less in length, although some take as long as two years.

Classes are offered in seven general occupational areas: trade and industry, technical training, agriculture, distribution, home economics, business and office occupations, and health occupations.

Advantages to the student, according to Bill Berry, director of the Manhattan AVTS, are the relatively short time spent in school before becoming an earner, and the relatively low cost. For a student who is still in high school, the home school district pays tuition. A post-secondary student pays 10 per cent of the tuition, with the state picking up the rest. The student buys books and supplies. Financial aid may be available if needed.

The advantage to the Kansas taxpayers is that about 90 per cent of the graduates are employed, about 95 per cent of them in Kansas.

Although starting salaries vary depending on the occupation, geographical area, and the initiative of the graduate, an average starting salary for a first job for a vo-tech graduate is about \$7,000.

For more information, talk with your high school counselor, or call or write the vo-tech school in your area.

Careers

(Continued from page 8)

Assemblers, (production) have 1,350 job openings projected to occur annually. The need for workers is expected to grow rapidly through 1985. Knowledge of blueprint reading and mathematics is helpful and will aid in gaining promotions to more skilled assembly jobs.

(Continued on page 22)

NORTH CENTRAL KANSAS AREA VOCATIONAL-TECHNICAL SCHOOL

BELOIT, KANSAS

WHERE EVERY STUDENT IS IMPORTANT
TRAINING IN

Auto Mechanics
Office & Secretarial
Data Processing
Salesmanship & Marketing
Teacher-Aide
Bricklaying
Carpentry-Cabinetmaking

Diesel Mechanics
Electricity-Electronics
Farm Equipment Mechanics
Heavy Equipment Operation
Practical Nursing
Production Agriculture
Welding

For information, write the NCK Vo-Tech School, Beloit, Kansas 67420

We Want To Visit With You ABOUT

We Offer

Programs in

- Crop Production
- Livestock Production
- Agri-Business
- Transfer Agriculture



WRITE OR CALL
Agriculture Programs
**Cowley County Community
College-AVTS
Arkansas City,
Kansas 67005**

Your Career in Agriculture



**The NWKAVTS Prepares People
For Productive Employment**

NORTHWEST KANSAS AREA VOCATIONAL-TECHNICAL SCHOOL

Box 668, Goodland, Ks., 67735

Auto Body Repair
Automotive Mechanics
Carpentry
Communications Technology
Cosmetology
Data Processing Management
Electricity-Electronics
Farm & Diesel Mechanics
General Clerical & Secretarial
Plumbing & Pipefitting
Technical Drafting

- ☐ Auto Body and Fender Repair
- ☐ Industrial Electricity
- ☐ Practical Nursing
- ☐ Auto Mechanics
- ☐ Farm and Ranch Management
- ☐ Lithographic Printing
- ☐ Office Education
- ☐ Teleprocessing

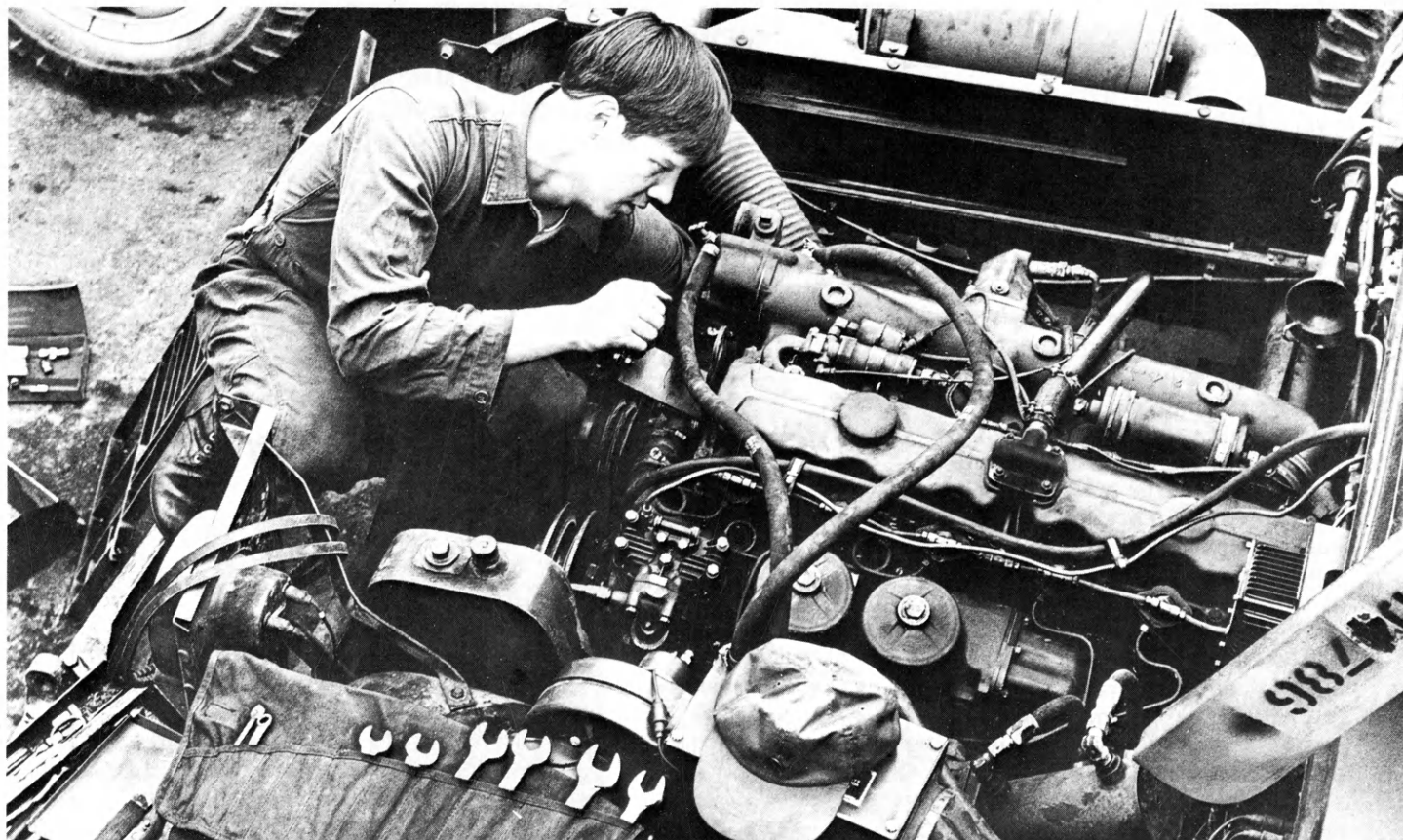
- ☐ Quantity Food Preparation
- ☐ Technical Drafting
- ☐ Building Trades
- ☐ Welding

**"We train young men
and young women in
skills to make them
employable."**

Check the area of study in which you are interested and write to the address below for an application blank.

Northeast Kansas Area Vocational—Technical School
1501 West Riley, Atchison, Kansas 66002
Phone 913-367-6204





"You don't just pick up a skill in the Army. You're trained in it. And you're trained to respect it."

**CALL (816) 374-3933 COLLECT
Or See the Yellow Pages Under Recruiting
for Your Local Army Recruiter**

"The first thing you learn about your job is how important it is. How it fits in. And how many other people will depend on what you know. The Army's serious about your job — and it makes you serious too."

Neil Cheney is a Wheeled Vehicle Mechanic at Fort Lewis, Washington.

"I wanted to work on diesels. Back home, there aren't many places where you can do that. And the way I would've learned — hanging around a good mechanic, picking it up — that's okay, but not as fast as I'm learning now."

If you enlist in the Army, and if you qualify, you'll have hundreds of job training courses to choose from. You'll get first rate instruction, and practical experience. You'll also get good pay, 30 days paid vacation each year, and opportunities to travel, and to continue your education.

"When my brother asked me what he could do in the Army, I said, 'What do you want to do?' He said, 'I like carpentry.' Well, he's a carpenter in Germany now. In the Army."



Sp. 4 Neil Cheney,
9th Infantry Division
Fort Lewis, Washington

**Join the people
who've joined the Army.**

An option: Entering the Armed Services

An option open to high school graduates is enlistment in the United States Armed Services for periods of from three to six years or as a possible career.

To become a member of the Army, Navy, Air Force, Coast Guard, or Marines the potential recruit must pass mental and physical examinations, have good character, and be 18 or older (17 with parental consent). Women as well as men may enlist in the Armed Services.

After being accepted and sworn in, the new recruit goes to basic training, and then to some kind of school, depending on his preferences and qualifications. After completion, he is stationed at a

military, naval, or air base, or on a ship or submarine.

Starting pay is almost \$400 per month, with food, housing, and medical care provided.

A young person in the Armed Services may find opportunities: for travel and adventure— to learn occupational skills—
(Continued on page 14)



Through 4-H you help yourself;
Now you can help OTHERS!

Contact the U.S. COAST GUARD

811 Grand Ave.
Room 135
Kansas City, MO 64106
COLLECT 816-374-5421

211 No. Broadway
Room 105
Wichita, KS 67202
COLLECT 316-262-1011

THE 'SMOKIES' OF THE SEA



That's the job of the New Minutemen. Like America's first Minutemen, they protect your country and your community. See how you can join them and learn a valuable skill. Earn extra money. And get ahead in life. All while enjoying the things you like about civilian life—in today's Army National Guard.



The Guard belongs.

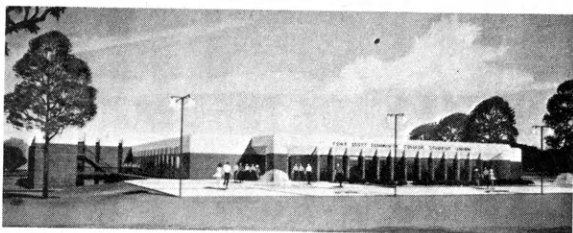
**THE KANSAS ARMY NATIONAL GUARD HAS MEANINGFUL PART TIME
JOBS FOR YOUNG MEN AND WOMEN.
CALL OR VISIT YOUR LOCAL KANSAS NATIONAL GUARD ARMORY.**

Armed Services (Continued from page 13)

to attend college classes—
to build up a fund with as much as \$2,700 for future educational use—
for access to athletic facilities—
for 30 days of vacation a year.

For details, talk with the recruiter from the branch of the service which interests you (his address and telephone is in the telephone directory under United States Government), or talk with your high school counselor.

Fort Scott Community College



Enroll in pre-professional and transfer courses, terminal education, drafting, G.E.D., cosmetology, Distributive Education, Practical nursing, Registered nursing, and many other educational interests.

Fully Accredited by State Board of Education and North Central Association of Colleges and Secondary Schools.

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

WASHBURN UNIVERSITY CONGRATULATES ALL KANSAS 4-H MEMBERS!



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WITH THE
ICHABODS

QUALITY EDUCATION IN A BEAUTIFUL SETTING

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School of Law
School of Business
Nursing Program
Graduate Program
Evening College
Summer Session

WASHBURN UNIVERSITY
1700 College
Topeka, Kansas 66621

COLLEGE? SERVICE? Why Not Both?

Here's How The Program Works

You are a high school senior, interested in continuing your education and concerned about getting ahead. We can help you accomplish both goals at the same time.

Since you are a high school senior, your Marine recruiter can offer you many attractive Marine Corps occupations, skills and schools. In addition, he can enroll you in one of many participating colleges. You will visit your assigned counsellor from the college, and he will assist you with selection of courses you are interested in. You don't have to attend any classes, yet.

As soon as you complete recruit training, you can get college credits in physical education and hygiene courses. As you complete any follow-on schools for specialized Marine Corps skill training, you may get college credits for those courses, too. When you reach your first permanent duty station, you contact your base education office. They will put you in touch with colleges near your base, and assist you in enrolling in the courses you desire. These courses are normally scheduled once or twice a week, usually during non-working hours. The Marines will pay 75 percent of the tuition!

As you progress through your Marine Corps career, you can gain more and more credits toward your college Degree, limited only by your own initiative. If you decide to leave the Corps at the end of your enlistment, VA assistance, under various programs, is available which will help you attend college full time and complete your education. For every dollar you save toward furthering your education, the Veterans Administration gives you two more. You can have as much as \$8,100 in your educational "kitty" after your enlistment.

Sure, the full time college student gets his degree one year, maybe two years before you do. But, you have been receiving a regular salary, while he has not. You have been advancing upward through the ranks as rapidly as you are capable, and you have had a substantial share of your education paid for at the same time. You also have gained maturity, have a good idea of what you want to do with your life, established a number of skills that will serve you well for the rest of your life, and your future employment is secure. An enlistment in the Marines will give you the self-discipline necessary to succeed at whatever you pursue.

There you have the basics of the Marine College Program. For more information, call your local recruiter.

FOR FURTHER INFORMATION CALL YOUR LOCAL
MARINE CORPS REPRESENTATIVE OR . . .

CALL TOLL FREE 800-423-2600



The Few.
The Proud.
The Marines.

College selection:

A junior college viewpoint

By Sam Rawdon, Director of Admissions
Coffeyville Community Junior College

Several years ago I heard a story about a young trail hand who had been riding herd on a large group of cattle for several months. During that time he hadn't had an opportunity to get into town and when he finally did have the opportunity he seriously over-indulged in the local saloon. The next morning as he awoke with a splitting headache and headed for the town bath he ran into a crusty, old broken-down miner with a burro.

The young man hollered at the old-timer, "Hey, old-timer—do you know how to dance?" The old-timer shook his head no.

"Then I'll teach you to dance," said the young cowboy as he began to shoot his pistol at the old-timer's feet making him jump around. The youngster was re-loading his revolver when the old man took his shotgun off the burro.

He laid the two barrels right on the bridge of the young man's nose and said, "Young man, have you ever kissed a donkey?" The young man looked at the burro, and then at the double barrels, and back to the burro, and back at the shotgun.

He swallowed deeply and said, "No sir, old-timer, but that's something I've been wanting to do all my life."

I think the point of this story is one of the greatest lessons of life and that is **everything depends on your point of view.** My wife and I

recently traded for a 1977 Chevrolet wagon. It was really special to us and by waiting till the 1978 models were almost out, we saved quite a lot of money. But to another person my deal might not look so good. They might prefer to pay the extra

and have a '78, they might prefer a sporty model instead of a wagon, or they might insist on a tape player. College selection is like buying that car. You can pick from lots of different "models" and a mile long list of extras.

If you are planning on a four-year program you can usually take the first sixty-four credit hours (two years) at a community college and then transfer to a four-year college or university. This first two years is

(Continued on page 17)

SHARE THE LIFE AND LEARNING EXPERIENCE

A COMMITMENT TO EXCELLENCE

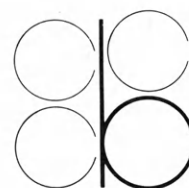
ENVIRONMENT

FRIENDLY, HEALTHY

FACILITIES
UNPARALLELED

PEOPLE
SEEKING AND
DISCOVERING

BUTLER COUNTY COMMUNITY COLLEGE



The Butler County Community College of today will not be the same place tomorrow. Like all academic communities, it is not a static arrangement. It's always changing. There will always be new people, new ideas, and new challenges. The constant change is what makes a college community a vibrant and worthwhile experience. It's a great place to have fun, to plan, and to build for tomorrow. Why not take a closer look at the Butler County Community College life? It may be just the answer for you.

For Information Apply:

Director of Admissions
Butler County Community College
El Dorado, Kansas 67042

Cloud County Community College

Concordia, Kansas

is concerned about **YOU**, the individual.

Curriculum:

College Parallel

Career:

Agri-Business (including rural building construction)

Business

General Office Training

Secretarial Training

1. General

Come and see our new system of

2. Legal

individualized instruction in the

3. Medical

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FINANCIAL AID AVAILABLE

For Further Information Contact:

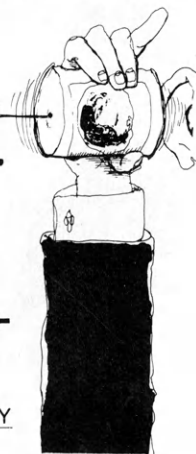
Director of Admissions
Cloud County Community College
Concordia, Kansas 66901

We Listen.
It Works.

Highland
Community Jr. College

Dean of Student Affairs
Highland, KS 66035

The PEOPLE SCHOOL —
Where EVERYBODY is SOMEBODY



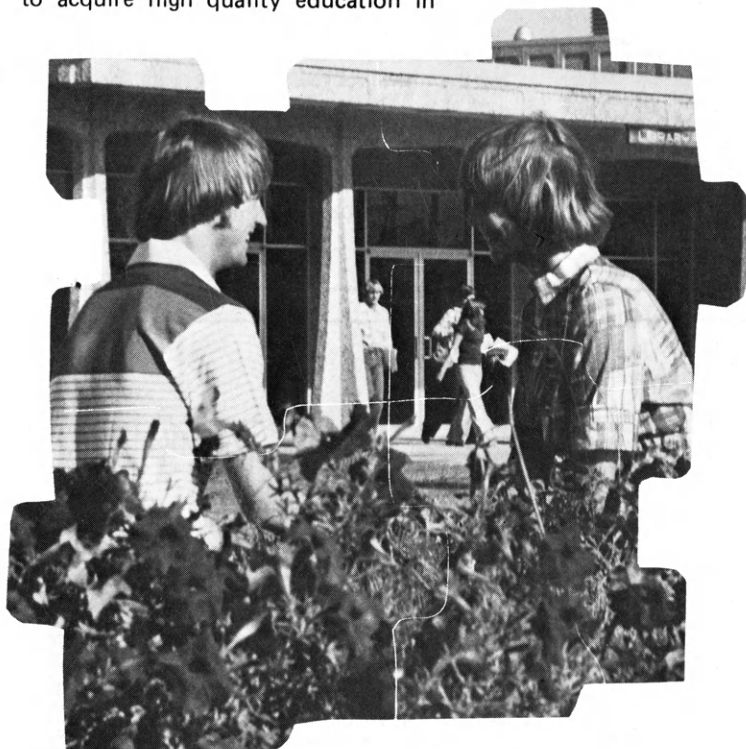
You can put it together at Garden City Community College

If you're puzzled about putting together an educational package to assure a future of success, let us help you tailor a course of study to fit your personal goals.

Are you interested in vocational-technical careers such as agri-business, irrigation technology, agri-mechanics, automotive mechanics, graphic arts, police science, drafting, building trades, mid-management, nursing, cosmetology or secretarial science? Or, maybe you have your eye on a career that combines areas of study in order to develop a skill that's saleable in Kansas.

Do you want to study science, music, physical education, history, art, English or any of the academic courses necessary for transfer to a four-year college or university?

Whatever the area of study, you'll find Garden City Community College offers excellent opportunities for you to acquire high quality education in



academic, vocational, technical and industrial curriculums that transfer to four-year institutions or qualify you for employment. We offer you the start you'll need to achieve your goals. Clip our coupon and send it off to us today. We want to sit down with you and help you put it all together for a successful future.

Garden City Community College
Garden City, Ks. 67846
Please send free brochures and information to:

Name _____

School _____

Address _____

Zip _____ Graduation year _____

Area of Interest _____

A junior college viewpoint

(Continued from page 15)

what we call General Education and is **very similar** in all colleges. It is composed of a series of courses aimed at general competency in a broad range of courses. It includes English, speech, math, science, art, music, literature, sociology, psychology, and so on. The "MENU" will be **very similar** the first two years; it is **SERVICE** that distinguishes one college from another.

Allow me in the balance of this article to give you my "pitch" for considering community college education. I encourage you to read what other colleges have to say and then visit one or two of each. (Be sure and call ahead for an appointment. It's better to visit on week-days than week-ends.) Don't pick a college because the representative was friendly at a college night, because they have a nice catalog and free pencils, or because John Doe went there! Pick it because you feel comfortable there (remember you're going to live there for two to four years!) and because you find the best climate for learning.

Reasons for considering a junior college

1. Cost—It's lower; a typical budget for a year at a community college would be about \$1,800 to \$2,000.
2. Participation—Community colleges have open doors in almost all areas; you can get involved in several activities.
3. Class size and instruction—Community colleges do not use graduate students as teachers and class size is typically 25-30; good for class discussion as well as access to your instructor for help.
4. School and town size—The colleges are small enough that students know instructors and other students. The towns offer shopping

and recreation, but are small enough that you can move around easily, get to know townspeople, and get a job close to campus.

The community colleges with hand-me-down buildings and second class programs of even a decade ago have been replaced by beautiful campuses, some of the finest facilities, and strong faculties and programs. I urge you to visit a couple of community colleges. If you can feel comfortable there, get a good foundation your first two years, and save yourself or your family some money, it makes sense. But, of course, everything depends on your point of view! Pick the college that's right for you.



In the heart of
South Central Kansas
offering

OPPORTUNITIES UNLIMITED

PRATT COMMUNITY COLLEGE

Pratt, Kansas

For additional information contact Admissions Office
316-672-5641



Kansas City Kansas Community College

Serving educational needs since 1923

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
Adult and Continuing Education Program

Both Day and Evening Classes

For Information, contact the
Director of Admissions

**KANSAS CITY KANSAS
COMMUNITY COLLEGE**

7250 State Avenue Kansas City, Kansas 66112
Phone: 913-334-1100

EXPERIENCE YOUR EDUCATION at COFFEYVILLE COMMUNITY JUNIOR COLLEGE

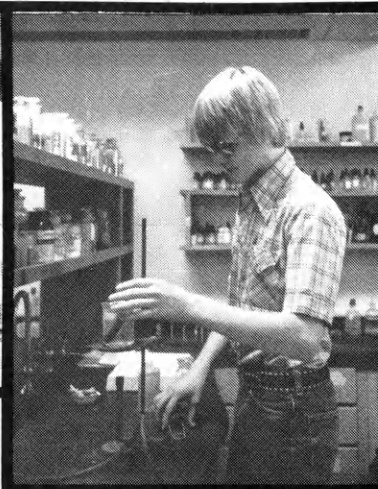


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|--------------------|----------------------|
| —Agriculture | —Baseball |
| —Architecture | —Basketball |
| —Art | —Cheerleading |
| —Business Admin. | —Football |
| —Education major | —Golf |
| —Engineering | —Tennis |
| —Home Economics | —Track |
| —Law | —Volleyball |
| —Marketing | —Debate |
| —Math-Science | —Drama |
| —Medicine | —Forensics |
| —Med. Lab. Tech. | —Journalism |
| —Music-Instr. Voc. | —Radio-Tv |
| —Pharmacy | —Admissions Appl. |
| —Secretarial | —Financial Aid Appl. |
| —Social Work | —Scholarship Appl. |
| —Veterinary Med. | —Dorm Appl. |

If you would like more information about any of our academic, activity, or athletic programs, **CLIP THIS FORM**, check the areas you are interested in and mail to:

Mr. Sam Radwon, Director of Admissions
Coffeyville Community Junior College
11th and Willow
Coffeyville, Ks. 67337

Or Call: (316) 251-7700, Ext. 21

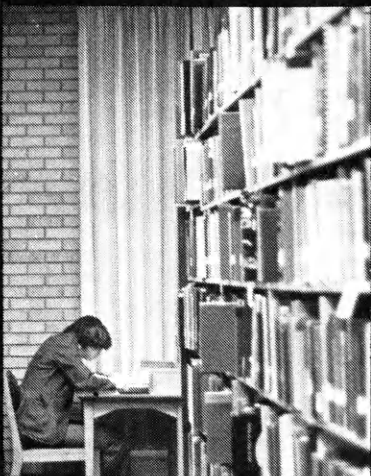
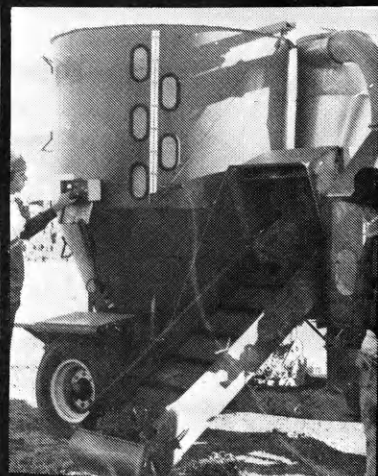
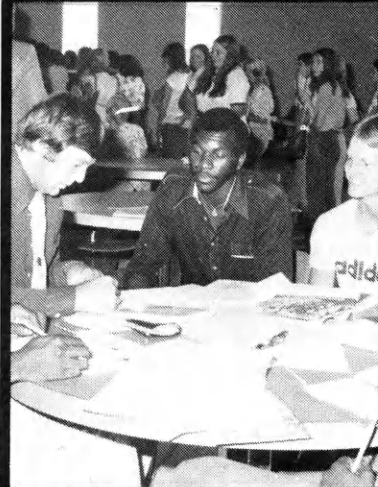


Nursing One and Two-Year Programs

Music
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KTCC-FM
Team
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Geology
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Whatever
you
are
looking
for,
you
can
find
it
here!

Pre-Professional
Quiet Times
Recreation
Sheep Science
Transfer Programs
Understanding



Criminal Justice Drama Engineering

Visual Arts Women's and Men's Athletics

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Colby Community College

Excitement You Being Number One!

For complete information, please contact the Office of Admissions, Colby Community College, 1255 South Range, Colby, Ks. 67701. The telephone number is (913) 462-3984. Colby Community College is fully accredited by the North Central Association of Colleges and Secondary Schools.

Zoology—And Much, Much More!

KANSAS TWO-YEAR COLLEGES

Public Community Junior Colleges

	Location	(Equated Full-Time) Enrollment Fall, 1977	Projected Tuition Per Sem. (Kans. Res.) Fall, 1978	Room & Board Per Sem. Fall, 1978	On Campus Housing Capacity	WRITE FOR INFORMATION TO
Allen County Community Jr. College	Iola	545	\$ 8 credit hr.	\$455	96	Registrar, Allen County Community Jr. College, 1801 N. Cottonwood, Iola, Kans. 66749.
Barton County Community Jr. College	Great Bend	1,027	\$ 10 credit hr.	\$675	96	Director of Admissions, Barton County Comm. Jr. College, Great Bend, Kans. 67530.
Butler County Community College	El Dorado	1,081	\$ 13 credit hr.	\$555	112	Director of Admissions, Butler County Community College, El Dorado, Kans. 67042.
Cloud County Community College	Concordia	761	\$ 8 credit hr.	\$475	176	J. W. Carlson, Dir. of Admissions, Cloud County Community College, Concordia, Kans. 66901.
Coffeyville Community Jr. College	Coffeyville	736	\$ 8 credit hr.	\$440	175	Sam Rawdon, Dir. of Admissions, Coffeyville Community Jr. College, Coffeyville, Kans. 67337.
Colby Community College	Colby	1,006	\$ 210 per sem.	\$600	200	Dennis Michaelis, Dean of Admissions, Colby Community College, Colby, Kans. 67701.
Cowley County Community College & Vocational-Technical School	Arkansas City	704	\$ 8 credit hr.	\$715	108	W. S. Scott, Adm. Asst. and Registrar, Cowley County Community College, Arkansas City, Kans. 67005.
Dodge City Community College	Dodge City	1,041	\$ 8 credit hr.	\$620	176	V. James Sherer, Director of Admissions, Dodge City Community College, Dodge City, Kans. 67801.
Fort Scott Community College	Fort Scott	614	\$ 8 credit hr.	\$572	98	Registrar, Fort Scott Community Jr. College, 2108 S. Horton, Fort Scott, Kans. 66701.
Garden City Community Jr. College	Garden City	1,126	\$ 8 credit hr.	\$625	242	Director of Admissions, Garden City Community Jr. College, Garden City, Kans. 67846.
Highland Community Jr. College	Highland	681	\$ 10 credit hr.	\$450	140	Jouglas L. Fitch, Dean of Student Affairs, Highland Community Jr. College, Highland, Kans. 66035.
Hutchinson Community College	Hutchinson	1,806	\$ 9 credit hr.	\$530	400	Director of Admissions, Hutchinson Community College, Hutchinson, Kans. 67501.
Independence Community Jr. College	Independence	570	\$ 8 credit hr.			Director of Admissions, Independence Community Jr. College, Independence, Kans. 67301.
Johnson County Community College	Overland Park	3,181	\$ 13 credit hr.			Director of Admissions, Johnson County Community College, College Blvd. & Quivira Rd., Overland Park, Kans. 66210.
Kansas City Kansas Community College	Kansas City	2,483	\$ 10 credit hr.			Director of Admissions and Registrar, Kansas City, Kans. Community Jr. College, 7250 State Ave., Kansas City, Kans. 66112.
Labette Community Jr. College	Parsons	542	\$ 8 credit hr.	\$465	80	Labette Community Jr. College, 200 South 14th St., Parsons, Kans. 67357.
Neosho County Community College	Chanute	430	\$ 8 credit hr.	\$625	96	Homer F. Bearrick, Dean of Students, Neosho County Community College, Chanute, Kans. 66720.
Pratt Community Jr. College	Pratt	491	\$ 10 credit hr.	\$610	88	Director of Admissions, Pratt Community Jr. College, Pratt, Kans. 67124.
Seward County Community College	Liberal	457	\$ 8 credit hr.			Dean of Student Services, Seward County College, Liberal, Kans. 67901.

Private Two-Year Colleges

Central College	McPherson	234	\$1,025	\$626	225	Director of Admissions, Central College, McPherson, Kans. 67460.
Donnelly College	Kansas City	540	\$ 25 credit hr.			Donnelly College, 1236 Sandusky, Kansas City, Kans., 66102.
Hesston College	Hesston	655	\$ 65 credit hr.	\$665	545	Student Services Department, Hesston College, Hesston, Kans. 67062.
St. John's College	Winfield	262	\$ 700 (ave.)	\$650	\$50	Wallace Behrhorst, Director of Admissions, St. John's College, Winfield, Kans. 67156.

State Technical Institutes

Kansas Technical Institute	Salina	236	\$ 142.50	\$525	135	Director of Admissions, Kansas Technical Institute, Salina, Kans. 67401.
Vocational Technical Institute (Kansas State College of Pittsburg)	Pittsburg	300	\$ 87.25	\$548-790	943	Leland D. Boone, Director, Vocational Technical Institute, Kansas State College of Pittsburg, Pittsburg, Kans. 66762.

We feel a strong sense of pride in our current advertising theme, The Bank of Generations, for we believe the future of agriculture will be only as strong as the leaders emerging from the ranks of today's youth. Thus, we count it a privilege to sponsor the Kansas 4-H Key Award where . . .

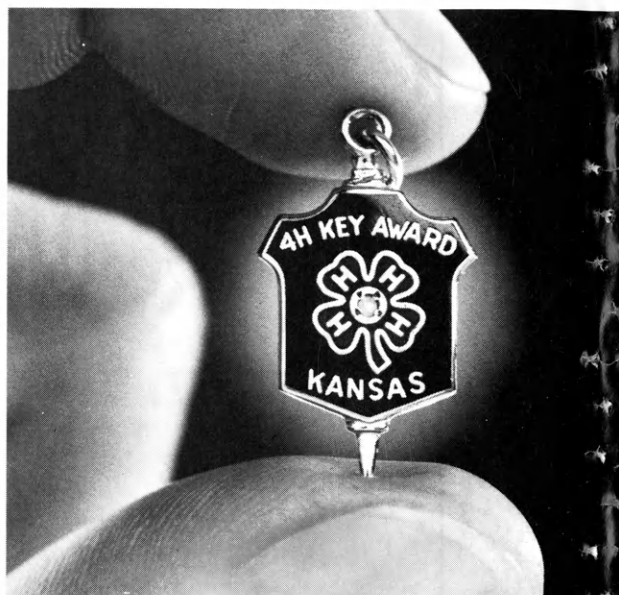
LEADERSHIP DEVELOPMENT IS THE KEY

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 1977 KANSAS 4-H KEY AWARD WINNERS

Allen

Douglas Lee Strickler
Jamie LaRue
Barbara Ann Lytle
Vicki Beck
Traci Elizabeth Baker

Anderson

Linda Diane Zentner
Darlene Hermeck
Duane Holloway
Nancy Miller

Atchison

Gary Cattrell
Jeffrey Hoffman
Linda Sternsdorff

Barber

Harold Angell
Steven Dick

Barton

Wayne DeWerff
Cheryl Yeakley
Jim Ahrens
John Radenberg
Darrel Blakeslee

Bourbon

Brady Eric Simpson
Brenda Ericson
Earl D. Fink

Brown

Eli Wenger
Jeanne Chadwell
Teresa Larson
Cathy Sterns
Debbie Mueller

Butler

Joann Blecha
Melissa Lea Mitchell
Melinda Lou Mitchell
Susan Whiteside

Chase

Glenda Danford

Chautauqua

Catharine Lynn Magnus

Cheerokee

Kathleen Fitzgerald
Rick Atkinson
John Paxson

Cheyenne

Carla Shoemaker
Steven Love
Jeanine Kay Weaver

Clark

Gail Abbott

Clay

Rose Scott
Lon James
Loy James

Cloud

Beverly Fuller
Jeanine Walker
Michael Jones
Janet Reedy

Coffey

Sue Williams
Marlin E. Benton

Comanche

Chan Gates

Cowley

Toni E. Timmis
Brenda Ireton
Rebecca Haddock

Crawford

Becky Ralph
Lois Marie Mahnken
Bill Marshall
Bill Kunshek

Decatur
Roland Walter May
Susan Screen
Karen Gayle Waterman

Dickinson
Debbie Teetzen
Mary M. Garten
Lorrie Kay Meuli
Jean Oard
Judy Oard
Karen J. Harris
Christie McLaughlin
Kathy Meyer
Janice Schuler
Laurey McBoyle

Doniphan
Susan Jean Juke
Denise A. Elliott

Douglas
Jeanne Warren
Dale Anders
Helen Reynolds
Lisa Wulfkuhle

Edwards
Craig Loray Russell
Kalen Kersting

Elk
Terri Marie Hubbell

Ellis
Lisa Stehno
Lester Elston

Ellsworth
Brian R. Huseman

Finney
Mark Schweer
Mark Lobmeyer
Rose Mary Huschka
Donna Smith

Ford
Thomas Ayers
Lane Newell
Dan Thennes
David Thennes
Jackie Post

Franklin
Bill Blake
Dean Chambers
Marilyn McClure
Therese Schamle
Rebecca Wagner
Pamela Van Horn

Geary
Charles Lee
Karen Gustafson

Gove
Joyce Lubbers

Graham
Steven Schlingloff
Robin Morris
Juanita Davis

Grant
Henry Smith
Terri Ann Hill

Gray
Susan Kerr

Greeley
Coree Smith
Kim Byerly

Greenwood
Jeri Luthi
Carol Boone
Terry Hart
Allison Miller
Mark Samuels

Hamilton
Tammy Maxfield

Harper
Stanley K. Pulliam
DeAnna May Howie

Harvey
Marcia Gatz

Haskell
Gary Preedy
Beth Blume
Debbie Malone

Hodgeman
Sue Ann Setzkorn

Jackson
Nancy Gooderl
Natalie Haag
Janetta Wells
Kim Marney

Jefferson
John Walter Houk
Linda L. Bigham
Regina Clare
Kathleen F. Petesch
Shawn W. Burns
Martin Neal Jones
Kenneth K. Edmonds

Jewell
Melva Dawn Shipley

Johnson
Richard Secrest
Stephen Frank Worden
D. Dee Anderson
Ellen Buenger
Kathleen Gradwohl

Kearny
Annette Shankle

Kingman
Sheryl Dieffenbacher
Rose Blumanhourst
Cindy Lindholm
Betty Dick
Charlotte Leininger

Labette
Janie Cooper
Debbie Richardson
Mark Johnson

Lane
Mary Shaffer
Debbie Ellis

Leavenworth
Raymond E. Hoppe
Herman J. Sachse
Karen Johnson
Larry Theis
Michael A. Hunnel
Kenneth Wilk
Leigh Ann Hand
Marina L. Hill
Gayla Janine Jones

Lincoln
Lorelei Dohl
Brett Murray
Darwin Jorgensen

Linn
Julie Cosens
Max Krull
Ninetta Lee

Logan
Nancy Dible

Lyon
Matt Johnson
Margaret Ann Stewart

Lyon (Cont.)
Pamela Diane Walker
Rhonda Walker
Gayle Williams

McPherson
Diane Kay Miller

Marion
Stuart R. Leppke
Jeffrey Alan Mellott
Kevin Dale Pankratz
Lynn D. Schmidt
Ronnie Wedel
Rebecca Kleiber
Sherry Flaming

Marshall
Joyce G. Wright
Jeanne Louise Carlson
JoLynne Robeson
James Edward Heiman
Christine M. Volesky
Janie Rochel

Meade
Gloria Wiens

Miami
Jean Ann Prothe
Phyllis Jean Butel
Teresa Lynn Kuhn
Owen Wayne Harbison
Ross Glenn Hendrickson

Mitchell
Pam Underhill
Rebecca Brobst

Montgomery
Melody Ann LeRoy
Kathy Phillips
Helen Withers

Morris
Susan Zimmerman
Richard Muller
Douglas Wilkerson

Morton
John Tucker
Tammy Tucker

Nemaha
Sharon Heiniger
Joseph P. Huerter

Neosho
Dean Lee Hiebert
Don Angleton
Doyle Angleton
Bruce Brock

Ness
Serena Stum

Norton
Kathleen Sprigg
Allen Ward

Osage
Sherrita Mercer
Virgil Miles

Osborne
Douglas Spears

Ottawa
Sonia Dyck
Michael Hamm
Cheri Rolph

Pawnee
Robin Thompson
Kevin Barrett

Phillips
Cindy Hall
John Beckman

Pottawatomie
Joni Snapp
Sharon Bairow
Kathy Edwards
Larissa Sylvester

Pratt
Pam Jorns
Warren Schepmann

Rawlins
Neva Lou Threlkel
Doug Klein

Reno
Cindy Luginsland
Beth Lang
*Sandra Kim Claypool

Republic
Kandy Tallent
Kim Blazek
Debra Rizek
Frank Shoemaker
David Hanzlick
Mark Heyka

Rice
DeAnn Hiss
Kimberly Cory
Diana Keesling

Riley
Cathy Gale Anderson
Angela Kay Nichols
Susan Hummels
Michelle Hightower

Rooks
Pamela Thyfault
Wayne Sander

Rush
Christie Conard

Russell
Denise Boomhower
Martha M. Paschal

Saline
Karen Richter
Kristin Blomquist
Loretta Johnson
Denise Tarn
Barry Swanson
Marjorie Schneider
Virginia Wann

Scott
Gwen Marmon
Marian Christy
Cindy Griffith
Brenda Allen

Sedgwick
Teri Lee Bortz
Kent Nicholson
Kathy Enix
Deborah Bahr
Diane Ziegler
Keith E. Rhodes

Seward
Suzanne Kay Harvey
Dianne L. Harvey

Shawnee
LuAnn Miller
Marlene Denise Gabriel
Janelle Marie Schmitz
Michelle Schmitz
Wendy Ijams
Tom W. Bacon
Laura Susan Wilcox
Cynthia G. McNorton
Rebecca Ann Fleenor

Sheridan
Gail Meitl
Jolene Engel

Sherman
Sheryl Wilkinson
Judy Gramzow
Karen McClain
Scott Showalter

Smith
Jim Long

Stafford
Paula Thole
Karen Cooper
Grant White

Stevens
Debbie Clinesmith
Ramona J. Stanley

Sumner
April White
Sara Tanner
Tim Huntley
Maxine Humbert

Thomas
Patty Sloan
David Goetsch

Trego
Chris Schamberger
Ann Waldschmidt

Wabaunsee
LaDonna Dearing
Kellie Stewart
Jean Ann Flach

Wallace
Lori Larson

Washington
Sharon Rhine
Rodney Stewart
Glee Condray
Rita Steier

Wichita
Mary Kay Baker

Wilson
Toni Duckworth

Woodson
David Lauber
Jone Sievers

Wyandotte
Kelee VanHooser
Beth Haworth
Jeffery Huck

*Awarded posthumously.



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Careers

(Continued from page 11)

Bookkeepers will experience moderate employment expansion between 1978 and 1985. About 1,575 openings are expected to occur each year. A high school education with emphasis on business courses is required. Bookkeepers are often promoted from positions such as account clerk to general office clerk. Post-secondary courses in business, accounting, and economics will be helpful.

Delivery and route workers must have or be able to get a Kansas chauffeur's license, be free of a police record, be bondable, and be able to deal with people. About 425 job openings are expected to occur each year in Kansas.

Janitors will have a growing worker demand during the 1978-85 period as a result of construction of apartments, motels, and other buildings increases. Janitors can expect 1,075 openings annually. High school math and shop courses are useful.

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Machinists will have about 325 job openings in Kansas each year. High school graduates with vocational shop training are preferred. Courses in mathematics, chemistry, physics, mechanical drawing, and metal working provide a good background. Workers are often hired as trainees or machine operators and may be promoted to journeyman machinist in three to five years.

(Continued on page 28)

Preparing for a career in professional agriculture

By David Mugler
Acting Dean, College of Agriculture
Kansas State University

WANTED: Well qualified young men and women for employment in a variety of positions in a dynamic, growing industry.

Qualifications—Must enjoy excitement, diversity, people, plants and animals, challenges, and rewards.

Pay—Good salaries, fringe benefits, and much self fulfillment.

Sounds too good to be true, doesn't it? What is this dynamic, growing industry mentioned in the advertisement? It is AGRICULTURE or AGRIBUSINESS as it is commonly referred to today. In recent years, immense changes in U.S. agriculture have had a tremendous impact on the employment picture.

The trend to fewer, but larger, farms has increased the need for higher managerial and technical skills. This, in turn, requires a higher level of education for farm operators. In addition, thousands more new jobs will be available in the industries that support agriculture.

Our state's land grant university, Kansas State University, provides 20 academic programs in agriculture. These curricula are designed to prepare students for significant roles in the living and growing world of agriculture.

As agriculture changes, so do programs in the College of Agriculture. As a matter of fact, some really interesting, unusual, and unique agricultural programs have been designed and are in operation at Kansas State University.

Crop Protection Specialists

The crop protection curriculum provides training in pest management (the control of insects, plant diseases, weeds, nematodes, and so on); business in relation to crop protection activities, or traditional entomology and plant pathology science.

Graduates help solve the problems of managing pests that attack our crops, homes, and communities. They also play a vital role in suppressing pesticidal pollution of the environment by encouraging sound, effective pest management practices that minimize crop losses due to pests. Such factors as economic levels of pest infestations, beneficial organisms, cultural practices, and properly used pesticides are all considered in the overall program of pest management.

Crop protection graduates are highly sought after and have numerous job opportunities. They serve as consultants to farmers; managers of pesticide application services; commercial corporation representatives; in local, state, and federal government agencies; as research scientists; as technicians; and in similar professions.

Horticultural Therapists

Kansas State University, with the cooperation of the Menninger Foundation in Topeka, developed a Bachelor of Science program in horticultural therapy—the first such program offered in this country. Horticultural therapy helps people achieve a better understanding of themselves and of the world around them through work in horticultural activities.

The curriculum combines three and one-half years of university instruction and six months of supervised clinical experience and study. This training period is completed at the Menninger Foundation, Veterans' Administration Hospitals, or other approved institutions.

Horticultural therapists work with the emotionally ill, physically ill, retarded, aging, handicapped, emotionally disturbed, and disadvantaged. They are employed in psychiatric institutions, rehabilitation centers, correctional institutions, mental health centers, veterans' hospitals, geriatric homes, re-

tirement communities, and school systems.

Food Scientists

Food scientists are concerned with all aspects of the food industry—from producing raw materials, through marketing and processing, to selling finished foods. The food science and industry program is flexible to allow the student to tailor his or her education to fit personal career goals.

Employment opportunities include production, management, and supervision of sophisticated food manufacturing in industries producing bakery products, frozen and canned fruit and vegetables, dairy products, poultry products, confection products, snack foods, and fresh and processed meat products.

There is a heavy demand for food science graduates. Some graduates work with producers to improve the quality of food raw materials. Others are involved in food product sales, merchandising, writing in-

(Continued on page 27)

ATTEND THE WESTERN FARM SHOW



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Mar. 1

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Fall Semester, 1977

(Equated Full-Time Enrollment)

School	Location	Enrollment	Type	Affiliation	Accreditation
Baker University	Baldwin	846	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	960	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	741	Coed	Lutheran	Kansas State Department of Public Instruction; Council for Social Work Ed., Nat. Assoc. of Schools of Music.; NCATE*
Bethel College	North Newton	590	Coed	Mennonite	Kansas State Department of Public Instruction, AAUW; North Central Regional Association on Social Work Education*
Emporia State University	Emporia	5,253	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 State University	Hays	4,605	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	776	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	498	Coed	Catholic	Kansas State Department of Public Instruction; National Catholic Educational Assoc.*
Kansas State University	Manhattan	17,089	Coed	State	Fully accredited by the North Central Accrediting Association and by various professional accrediting agencies.
Kansas Wesleyan	Salina	435	Coed	Methodist	University Senate of the Methodist Church; AAUW; Kansas State Dept. of Education; North Central Regional Assn.*
Manhattan Christian College	Manhattan	250	Coed	Christian	American Assoc. of Bible Colleges.
Marymount College of Kansas	Salina	800	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	515	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	918	Coed	Nazarene	Kansas State Department of Education*
Ottawa University	Ottawa	590	Coed	Baptist	Kansas State Dept. of Public Instr.; American Baptist University*
Pittsburg State University	Pittsburg	4,467	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; Nat. League for Nursing*
Saint Mary College	Leavenworth	645	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	527	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	643	Coed	United Methodist	Kansas State Department of Public Instruction; Nat'l. Association of Schools of Music; Kans. St. Elem. & Sec. Teacher Ed. Programs.
Sterling College	Sterling	514	Coed	Presbyterian	Kansas State Department of Public Instruction; Nat'l. Association of Schools of Music; Nat'l. Crediting Assoc. Teacher Education*
Tabor College	Hillsboro	477	Coed	Mennonite Brethren	Nat'l. Association of Schools of Music; Kansas State Department of Public Instruction*
University of Kansas	Lawrence	21,652	Coed	State	Professional Accred.; Arch.; Art; 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	4,225	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	10,587	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* Council on Dental Education; American Assembly of

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

Projected Information for the Academic Year Beginning Fall 1978

Tuition and Fees Academic Year*	Board and Room in Residence Halls Academic Year**	On Campus Housing Capacity	SCHOLARSHIPS		WRITE FOR INFORMATION TO
			No.	Average Amount	
\$2,150	\$1,260	800	539	\$624	Director of Admission, Baker University, Baldwin City, Kansas 66006.
2,250	1,300	1,000	275	800	Benedictine College, Director of Admissions, North Campus, Atchison, Kans. 66002.
2,031	1,305	630	240	450	Director of Admissions, Bethany College, Lindsborg 67456.
2,163	1,402	620	301	358	Office of Admissions, Bethel College, North Newton 67117.
528	1,426	1,506	450	310	Office of Admissions, Emporia State University, Emporia, Kansas 66801.
622.50	1,210-1,350 (includes 10, 15 or 20 meal plan)	1,712	600	335	Registrar and Director of Admissions, Fort Hays State University, Hays 67601.
2,100	1,150	188	385	550	Office of Admissions, Friends University, Wichita 67213.
2,040 for 30 hrs.	1,250	277	145	500 (per year)	Director of Admissions, Kansas Newman College, Wichita, Kansas 67213.
690	1,280	5,000	1,700	300	Dean of Admissions and Records, Kansas State University Manhattan 66506.
1,960	1,310	500	115	750 (per year)	Director of Admissions, Kansas Wesleyan, Salina 67401.
1,150	1,300	280	70	300	Director of Admissions, Manhattan Christian College, Manhattan 66502
1,800	1,200	288	150	500	Admissions Director, Marymount College, Salina 67401.
1,105	1,000-1,035 (average)	430	Unrestricted number available, up to \$1,200 per year.		Director of Admission, McPherson College, McPherson 67460.
1,584	1,280	820	390	400	Director of Admissions, Mid-America Nazarene College, Box 1776, Olathe, Kansas 66061.
3,605total		768	550	650	Office of Admissions, Ottawa University, Ottawa 66067.
510.50	946-1,400	943	419	397	Office of Admissions, Pittsburg State University, Pittsburg 66762.
1,750	1,225	438	275	600	Director of Admissions, Saint Mary College, Leavenworth 66048.
2,070	1,300	420	185	300 renewable each semester	Director of Admissions, Saint Mary of the Plains College, Dodge City 67801.
1,875	1,190	565	560	450	Director of Admissions, Southwestern College, Winfield 67156.
1,137.50	1,175	545	150	750 (renewable for 4 yrs.)	Director of Admissions, Sterling College, Sterling 67579.
2,480	1,400	380	250	450	Director of Admissions, Tabor College, Hillsboro, Kansas. 67063.
690	1,285-1,695	5,200	3,025	385	Office of Admissions and Records, University of Kansas, Lawrence, Kansas 66045.
21 per hour plus \$2 per hour fee, plus \$10 activity fee	1,410	339	500	300	Registrar and Director of Admissions, Washburn University, Topeka 66621.
693.90	1,300	991	1,327	441	Director of Admissions, Wichita State Univ., Wichita 67208.

Estimates only.

*Prices may vary because of different meal plans, kinds of rooms, and services available.

A career in animal technology

David Chesser, a Wilson County 4-H member, wrote this article for a high school class. He was formerly a member of Rose Hill Rustlers 4-H Club in Butler County.

By David Chesser
Neodesha

Animal technology is the science and principles of the production and processing of animals and animal products. It is the leading agricultural enterprise of the nation. Graduate technicians specialize in many fields, such as veterinarian's assistant, artificial breeding technician, feed mixing technician, preventive disease technician, livestock grader, livestock buyer, feedlot manager, and livestock breeder (or rancher). The student of animal technology studies animal structure, propagation, feeding and housing, health and disease, and the economics of reproduction and marketing. Besides these general courses, he will take a specialized comprehensive program in his field of interest.

Type of Work

The livestock production technician finds employment opportunities in livestock ranching, farming, and business.

Small producers of cattle, sheep, and swine, who do not have the facilities for mixing, grinding, and storing feed, must rely on feed companies. Therefore, a good knowledge of livestock production is important to technicians in the feed industry.

A good working knowledge of the livestock industry is a must in selling and servicing equipment used by the industry. The technician in equipment supply must understand the equipment, be familiar with its importance, its uses, and its design. He must know what he is selling and why he is selling it. Sometimes he may be asked to install and service the equipment he sells.

Necessary Personal Qualities

The livestock production technician must be strong and healthy, as much of his work is physical labor, often done outdoors in varied temperatures. He must be prepared to improve the efficiency of an operation. He must be economical and willing to adopt new practices and

adjust to demands made of him. Sometimes he must put in long, irregular hours, working on Sundays and holidays.

Educational Requirements

A vocational program in agriculture will be useful at the high school level. Involvement in organizations such as Future Farmers of America (FFA) and 4-H would be helpful. If such a program is not available, a good knowledge of math, business, communications, chemistry, and

mechanics will have great value. A high school diploma is always necessary for entrance into college or technical school.

While a great many schools offer a course of study called "Livestock Production," others offer "Animal Science" or "Animal Husbandry," where the student can specialize in livestock production.

Earnings

The salary will depend on the individual's educational and ag-



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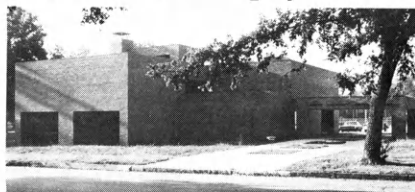
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ricultural background. A livestock production technician can expect to start at a salary ranging from \$9,000 to \$12,000 a year. Fringe benefits vary according to the job. In some operations, employers furnish homes, as well as incentive salaries.

Probably the most important factor in any area of livestock production is the satisfaction of watching animals grow. For the livestock production technician, the effort involved in trying to produce a more economical and satisfying product is, in itself, an exciting experience.

Professional agriculture

(Continued from page 23)

formative advertising copy, and efficient management of retail markets and food operations. Food scientists are employed in governmental agencies to assure the public of healthful, nutritious, properly labeled food. Some graduates also work in international food agencies, research, and product development.

Grain Science and Industry Specialists

Kansas State University lays claim to the title, "The Only University in the World Offering a B.S. Degree in Bakery Science and Management, Feed Science and Management, and Milling Science and Management." Graduates from these three programs have opportunities that are unlimited and earn salaries higher than those paid the typical four year college graduate.

BAKERY SCIENCE AND MANAGEMENT — More than half a million people are employed in producing and distributing more than \$11 billion worth of baked goods annually. This segment of the industry requires men and women who know the latest business methods, advertising and sales promotion, marketing analysis, law, purchasing requirements, and personnel management.

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FEED SCIENCE AND MANAGEMENT — Formula feed production ranks among the top 15 industries in the U.S. Production, quality control, management, marketing, engineering and research positions beckon the individual who wants to assume the responsibility for this industry's role in society.

MILLING SCIENCE AND MANAGEMENT — Several options are available to Milling Science and Management graduates. The management option allows graduates to find challenging positions in purchasing, production control, sales, and advertising. Graduates in the production and engineering option in milling science are in great demand because so few people have this highly specialized technical talent. Through milling science you could become a cereal chemist. These specialists are needed in the laboratories of major milling companies throughout the U.S.

Additional Career Opportunities

A variety of academic programs at Kansas State University prepare

graduates to meet the requirements and challenges of modern day agriculture. In addition to those cited above, programs offered are: agricultural economics, agricultural education, agricultural journalism, agricultural mechanization, agronomy (crops and soils), animal science and industry, dairy production, poultry science, horticulture, retail floriculture, natural resource management, pre-forestry, and pre-veterinary medicine.

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Careers

(Continued from page 22)

Nurses Aides, orderlies can expect a growing demand for workers due to the increasing emphasis on health care. Approximately 1,950 openings are projected annually. Applicants should be 18 and in good health. Training is administered by hospitals and nursing homes who hire unskilled workers. Also, training is available at several area vocational-technical schools in Kansas. Experience as an aide or orderly provides an excellent background for training as a nurse.

Police officers are projected to have 225 job openings each year between 1978 and 1985. Employment opportunities will be favorable as the population and economy grow. Applicants must have a high school education

(Continued on page 32)



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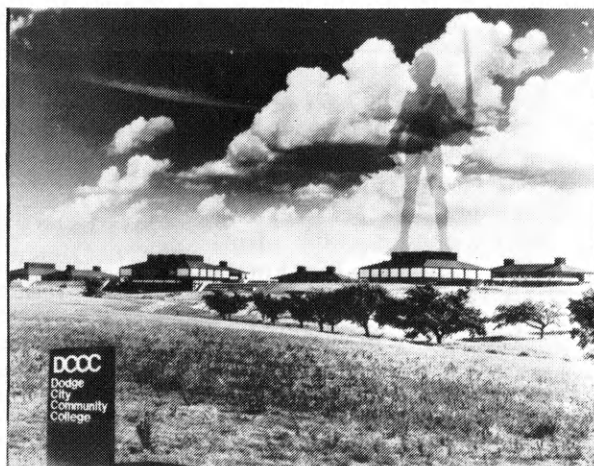
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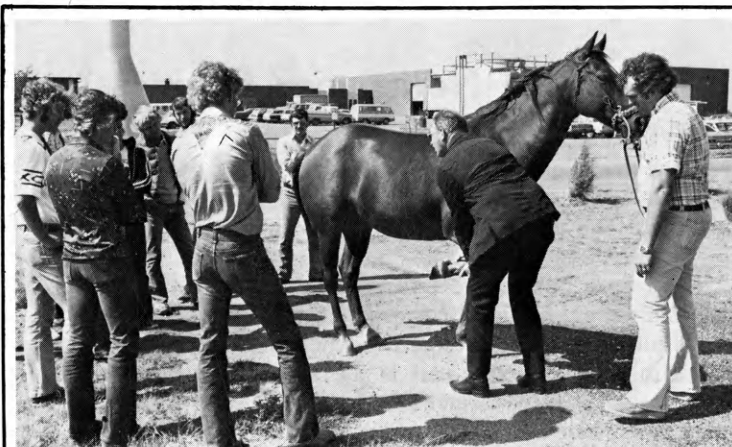
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CLEARED TO LAND:

A career in aviation

By Bruce Landsberg
Cessna Aircraft Company
Wichita

Aviation—A Definition

Aviation is the fastest growing mode of transportation today. Modern aircraft provide speed, convenience, and flexibility unmatched by other vehicles. Their fuel efficiency often exceeds that of automobiles at more than twice the speed. By air, you can cross the continent in one day in light general aviation aircraft and in a matter of hours in jets.

The aviation industry is made up of the airlines, military, and general aviation. The first two classes are self-explanatory. General aviation is the largest and fastest growing section. It accounts for 98 per cent of all civil aircraft in the U.S. with 96 per cent of the pilots flying 79 per cent of the total flight hours. General aviation carries over 100 million intercity passengers each year, more than United, TWA, American, Northwest, and Pan Am combined. In addition to carrying passengers, freight, and mail to the nation's 13,000 airports, general aviation is involved in many diverse areas such as aerial photography, law enforcement, ecological concerns, battling forest fires and highway traffic reporting.

Airplanes are used extensively in farming. The General Aviation Manufacturers Association estimated that there are approximately 25,000 people employed in agricultural aerial application operating 8,000 "agplanes" to seed, fertilize, and spray pesticides to millions of acres of crops. Ninety per cent of America's rice crop is planted from the air.

Career Opportunities

When aviation careers are mentioned, most people think of the airline pilot or flight attendant. These jobs, however, form only a small percentage of the total career picture in aviation. There are broad opportunities requiring many different skills and education levels. Let's look at each basic career area in terms of what is done and the skills that one needs to do it.

Aircraft Manufacturing

Wichita is the Air Capitol of the world. More airplanes are built there than anywhere else. Four major companies are located there: Boeing, Beech, Cessna, and Gates Learjet. Cessna, the largest, builds more general aviation aircraft than all the other manufacturers combined. Last year more than 8,400 aircraft rolled off Cessna's assembly lines. Cessna is also the largest employer in Kansas with over 14,000 employees in the Wichita area.

Aircraft manufacturing has many different aspects with most jobs requiring a high school diploma and some technical skills. One example is the operation of large and complex machines to form sheet metal and to fabricate parts. Assemblers put the parts together to make the finished aircraft. Skills needed are riveting, filing, heat treating, cementing, and joining of major sub-assemblies. These workers read blueprints and interpret engineering specifications. Other plant occupations include inspection and testing, flight check-out, and maintenance.

Professional/Technical Careers

Before airplanes can be built they must be designed and experiments conducted to determine if they are flyable. Engineers and scientists employed in this area work in various fields such as materials and structures, energy and power sys-

tems, flight mechanics, control and communication systems. A college degree in engineering or in one of the sciences is generally the minimum requirement for a professional engineer.

Technicians work with the engineers to turn designs into finished airplanes. There are draftsmen and electronics specialists. Research mechanics experiment with designs to see if they will work. Production planners develop the assembly line organization and operation for making the airplanes in large quantities. These jobs will require at least two years of technical training beyond high school, or junior college.

Administrative/Clerical Occupations

The aviation industry is like any other large industry in its manpower requirements. There are executive and supervisory positions in sales, purchasing, accounting, advertising, and general management. A college degree in business administration or aviation management is desirable. Many secretaries, clerks, and administrative assistants are needed to assist the managers with daily business operations. Specialization in business or clerical skills and secretarial experience are helpful.

Marketing Careers

Aircraft, related products, and services of the people who operate

(Continued on page 30)

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WAVTS Admissions, 301 S. Grove, Wichita, Ks. 67211 (316) 265-0771

Aviation

(Continued from page 29)

and maintain the airplanes and airports must be sold to customers. Marketing involves the constant exchange of money, products, and services. The process is complex and exciting and includes all aspects of the aviation industry, from the operation of the factory to the retail sales outlet. There are many positions within this "chain" with the manufacturers, distributors, and airport operators. Educational requirements vary widely, with a high school diploma and some technical sales experience generally being the minimum.

Flight Operations

Approximately 75 per cent of all general aviation flights are for business and commercial purposes. There are more than 35,000 professional pilots employed by business firms. They fly a wide variety of missions, usually centered around the need to move people and materials quickly and efficiently. The majority fly multi-engine equipment.

There are many opportunities for flight instructors. This is usually an entry level flying position for career pilots to gain experience and to teach others to fly. With the increased sophistication of aircraft and the nation's air traffic system, this career area will expand with increases in salary and responsibility.

Other flying jobs include positions with the Federal Aviation Administration, the Department of

Commerce, the airlines, and a multitude of other areas. These include law enforcement, aerial mapping, agricultural operations, and others.

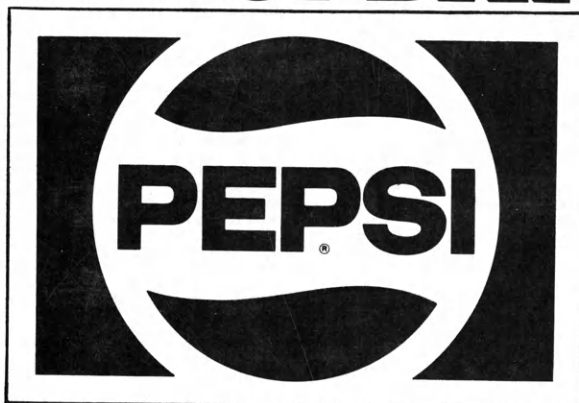
In addition to aviation careers there is an almost unlimited use of flying in other businesses or professions. Doctors, lawyers, legislators, salesmen, management teams, or anybody who has a need to travel or move materials can benefit tremendously by being able to fly.

What about learning to fly? Learning to fly is not particularly difficult. Like any other educational program you have subjects to learn and skills to master, but it is interesting and exciting. Some people consider flying expensive. The preparation for any highly skilled technical career will require considerable training with some financial commitment. Obtaining a private pilot's certificate is less expensive than just one semester at some well known universities.

This is truly the Air Age. The airplane has compressed time and distance making it easier for man to communicate. The opportunities for exciting careers in aviation are growing rapidly for those who prepare themselves for the challenge. For more information write for a free high school career packet.

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Teaching—a profession to consider

By Dr. Daryl Berry
Associate Professor of Education
Emporia State University

A question which enters the minds of many high school students as they ponder over vocational choices is "Should I consider teaching?" There is no simplistic answer to this question, but I would like to explore some of the possibilities that are currently available to students. There are many opportunities in the teaching profession today which were not present only a few years ago. However, entry into the profession has become quite competitive. There is little promise for the person who lacks initiative and endurance to be the best academic student he can become, who does not feel good about himself psychologically, and who avoids acceptance of responsibility and decision making.

The answer is "Yes, there is a place for you if you can respond to the exacting demands of today's teaching profession." There is a continued need for "good" teachers at all educational levels. Emphasis must be placed on the word "good" as the time when every student who completed a teacher preparation program would be employed, regardless of his strengths, is far gone. A "good" teacher must have above average intelligence, must be generally well educated, must have good command of the knowledge and skills in the selected teaching field, and must be dedicated to the service of humanity.

Teachers are many things, all of them important. You will want to learn about the many kinds of positions which exist in the teaching profession. You will want to learn as much as you can about the various levels of responsibility and what is required to prepare for them. The best approach is to talk to your teachers, counselors, or administrators about your possible interest in the teaching profession. They can assist you in gaining insight into your personal abilities and the requirements for various educational positions.

How does one know at what level he would like to teach or in what area he would be most successful?

Several possibilities are suggested for your consideration:

Nursery school — The field of early childhood education is a most fascinating one. The demand for qualified teachers is increasing due to the opening of more private and parochial programs and the assumption of more responsibility by the public schools for the education of that age child.

Elementary school — This level covers the span from kindergarten through sixth grade in most school systems in Kansas. This is an exciting level for both young men and women who have a real desire to guide boys and girls in their learning experiences during this very crucial period of rapid growth.

Middle school — This is a fairly new organizational level which includes the possibility of fifth and especially sixth grades combined with seventh and eighth grades. An attempt is made to provide a special program which relates to the growth patterns of these ages. Special recognition is given to the needs of these students as being distinct from the elementary and secondary students. It is hoped that a smoother transition can be made between these two more traditional organizational levels. Preparation for teaching at this level requires a special understanding of the needs of these students and how to relate instruction to meeting them.

Secondary school — This is a chal-

lenging level of responsibility dealing with the student during his growth from childhood through adolescence to young adulthood. Teaching at this level is rarely dull and often difficult, yet there are great challenges, rewards, and satisfactions for both men and women.

Special education — There are opportunities at all levels previously mentioned in the area of special education. This is a challenging, important, and rewarding educational career. This area includes the kind of education offered to children with handicaps of all types — blindness, deafness, mental retardation, speech impairment, and emotional problems — and, in addition and not the least important, the gifted. With the recent passage of the Kansas Special Education law, there is an ever-increasing need for qualified special education teachers.

Counseling — Counselors are employed at all educational levels to assist the classroom teachers by providing emotional, academic, or vocational guidance as they deal with student dissatisfaction and causes of deviant behavior. Counselors normally are required to have teaching experience at the level on which counseling services are being offered. State certification requirements mandate the experience

(Continued on page 32)



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Teaching

(Continued from page 31)

prerequisite for elementary and secondary counseling positions.

Coaching — In most instances this is an area of responsibility that is considered supplementary to a teaching position with added compensation for the assigned duties. One must be certified by the state to teach at the designated level, but there is no state certification requirement for coaching duties. With the implementation of Title IX provisions, there is increased need for coaches of all types of girls' sports.

Paraprofessionals or Teacher Aides — This is a level of responsibility which is gaining status in the staffing patterns of school districts. These persons are assigned specific responsibility as a part of the teaching team but require less preparation and certification than the professional teacher. They simply do the work that teachers assign them.

College teaching — Positions for teachers interested in working with more mature students at the post-secondary level can be found in community colleges, private liberal arts colleges, state colleges and universities, and technical institutes. A master's degree would be considered minimal qualifications for the community college and one would need to eventually acquire a doctorate if he is teaching in a four-year college. Previous teaching experience at the non-college level increases one's chances for employment.

Administration — Educational administration takes many forms. A competent administrator has acquired ability through rigorous specialized training. The public school principalship and superintendency are two of the best-known careers in educational administration; however, there are many others in both public and private schools, colleges and universities, and in government agencies connected with education. A master's degree with previous teaching experience at the level in which one would choose to administer is minimal in meeting certification requirements.

As one considers his interest and potential for teaching, he must analyze various alternatives in light

of what he can bring to a particular professional level or area as well as what it can offer him. One must be willing to study characteristics of human growth stages and how to teach skills which a student needs at his particular age to prepare him for adapting to the next stage. One will need to learn how to motivate students to work up to their potential, to help them develop good study habits, and to develop fine characters and pleasing personalities.

Abraham Lincoln once said, "I will get ready and maybe someday

my chance will come." You, too, may find your chance to make a great contribution to humanity. Start now by learning all you can about the opportunities available in the teaching profession.

Careers

(Continued from page 28)

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4-H projects may lead to careers for women

By Evelyn Senecal

Associate Dean, College of Home Economics
Kansas State University

Have you ever thought of any of your 4-H projects as a beginning of an interest which will lead you to your first part-time job . . . and even a future career?

Most professional people have a genuine interest and love for the work they do in their careers, and many times this personal drive stems from some related, basic project experienced as a child or teenager. Think of the projects you have begun recently. Is one of them a favorite? For example, have you worked into the late evening hours on a project, not because it was due the next day, but because you enjoyed what you were doing and the hours slipped by all too rapidly? Choose one of these projects and explore with me the avenues open to you in the future career world.

CLOTHING: A recent survey indicates that around 85 per cent of the American teen-age girls sew.

What can you do with an interest in this area: Well, let's combine your interest with one of your personal aptitudes. If you have a competitive spirit, you might want to consider a

career in business. Fashion buyers are the most common, but why not manage your own store? I know a Kansas community where there are five stores owned and operated successfully by women on main-street. Small business organizations are now assisting new businesswomen in learning the ropes, too, so that they can learn wise business practices early.

Management, sales, and public relations in larger businesses offer numerous jobs for you. Think of all the people needed to obtain raw materials, design and develop the product in manufacturing, and then market, distribute, and sell the product to consumers. You can see that knowledge about fabrics, construction, performance, and fashion appeal are necessary for success.

You don't prefer business? You say you are more artistic and creative in design? Try fashion designing. The 1970s are much different than a generation ago when career opportunities were limited. Today we find opportunities in most large cities across the U.S. instead of just on the east coast. There are other design opportunities too: textile designing, ready-to-wear clothing, yard goods, fabrics used in interior design, and textiles used in industry (who designed the upholstery in your family car?). Companies that manufacture patterns, sewing notions, and supplies need designers too!

If you have enjoyed chemistry in high school, you might consider developing or testing new textiles for the consumer.

FOODS: Are you interested in solving the problems of feeding




Dr. Evelyn Senecal

people in the Third World countries, helping people plan restricted diets, developing new, nutritious products for the consumer, or testing how different diets affect body growth?

There is a far greater demand for than supply of nutritionists, clinical and consulting dietitians in hospitals or medical care facilities, and food handlers in business and test kitchens. Universities, government agencies, and industry await the nutritionists, food chemists, and space food technologists who pursue research and development positions. Community service organizations need public health nutritionists, schools need lunch consultants, and restaurants, convention centers, and large corporations need imaginative, but informed managers of food service operations. Because of the need and the skills involved, the positions offer higher than average salaries. It is

(Continued on page 35)



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The Christian ministry

By Wesley D. Tracy
Assistant Professor of Religious
Education & Journalism
Mid-America Nazarene College
Olathe

The Christian ministry is an intrinsically rewarding helping profession. Most religious bodies do not regard it as a vocation simply to choose, but feel that those whom they ordain should sense a divine call to the ministry.

The first requirement is a deeply personal belief in God and the Christian faith. In addition the various religious groups have a clearly defined training plan. A college degree is the minimum generally required. Many denominations recommend or require an additional three years of seminary training leading to the Master of Divinity degree. Then after a term of professional experience the ministerial candidate is eligible for ordination.

The course of study described above includes rather intensive training in theology, biblical studies, biblical languages, church history, philosophy, and practical training in preaching, counseling, and church administration. The minister will also gain a broad-based education in the arts and sciences such as literature, history, music, and the behavioral sciences.

Most persons pursuing this training become pastors of churches. Their vocational duties fall into four general categories.

1. **Preaching.** Many ministers regard the proclamation of the Christian gospel in preaching as their primary task. A great deal of fulfillment can come from researching and delivering sermons which help people to understand the faith and live it effectively.

2. **Church administration.** The minister also serves in a role correlative to that of a corporation president. He must give effective guidance to all the ministries of the church. Some pastors have as many as 100 organizations, boards committees, and classes in their churches to which they must give guidance. Programs such as Christian education, youth work, recreation, missions, charities, budget planning, fund raising, evangelism, visitation and the like come under

the pastor's umbrella of responsibility.

3. **Ministry to persons.** As the spiritual leader of the congregation the Christian minister finds that his parishioners turn to him for informal and formal counsel on everything from vocational matters, to family concerns, to personality problems, to spiritual guidance. The minister's ministry to persons

also includes weddings preceded by premarital counseling. The minister will do some of his most important work with those who are sick or bereaved.

4. **Community life.** Most ministers are involved in community programs and organizations which aim at improving the quality of life in the community. Because of his role the minister will find many unique opportunities for service in this area.

All ordained ministers do not serve as pastors. Vocational op-
(Continued on page 38)

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So you want to be a fashion merchandiser? That simple commitment may very well propel you into an exciting and profitable future.

The first step in becoming a fashion merchandiser will be to acquire a basic knowledge of the field of business. Studying for a degree from either a two-year associate program or a four-year university will furnish you with the essentials. These essentials include a knowledge of clothing skills, merchandising techniques which involve promotion and display, a background in business skill such as marketing and accounting, and finally a general academic preparation.

Upon graduation there are many

The fashion merchandiser

By Rebecca Ann Goosen
Instructor, Fashion Marketing
Kansas State University

areas of fashion merchandising you will be qualified for. At the manufacturing level, jobs are available in raw material production, fabric design, fabric sales, educational consulting, industrial consulting, or as publicity executives. In the apparel trade, jobs are available for designers or their assistants, jobs in sales at a resident buying office or showroom at one of the markets in New York or Dallas, and in either advertising or publicity.

Retailing is an area which holds many opportunities for fashion merchandising majors. There are jobs in promotion both with a particular retail store or a private agency. A career as a fashion coordinator at either a retail establishment or a free lance consulting agency is possible.

Retail establishments differ in type and size. There are varying sizes of chain, mail order, and department stores which offer opportunity for advancement. A number of these institutions offer an executive training program that graduates may enter to prepare for executive positions in that retail establishment.

The fashion merchandising trade is looking for young people with imagination and ambition who will be successful as well as an asset to the trade. New members of the trade need an inner drive that helps them to accomplish quality work. The fashion merchandising profession has opportunities limited only by your ambition and dedication.

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4-H may lead to careers

(Continued from page 33)

estimated that in 1980 Americans will eat one out of two meals outside their homes. Who will plan menus, purchase the food, and manage the production and service . . . maybe you?

FUN WITH CHILDREN: Children entering pre-school centers, whether both their parents work or not, are increasing. Education for special needs of the handicapped children is mandated by our government. The child care program needs teachers and administrators. Are you interested in working with children?

Community youth programs and child centers in urban settings are possibilities too. Career opportunities include parent educators in community agencies, coordinators of family services, social workers, adult education child guidance consultants, and youth camp managers.

MANAGEMENT FOR YOUTH: Are you interested in providing leadership in consumer affairs, consumer protection, family finance, and financial counseling where you use time, money, and energy wisely to meet personal needs within financial means? Consumer education is a growing field too, both home and abroad; it is now being required as a high school subject in many Kansas communities. Positions are available in state and national government, too, related to education, protection, legislation or consumer affairs research.

(Continued on page 36)

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by Marion Nichols

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4-H may lead to careers

(Continued from page 35)

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Have you heard of the oversupply of teachers? Well, it's not true for home economists! Wichita Public Schools had over 15 vacancies last year. Enrollment is up in home economics in high schools, but the lack of teachers in some communities has forced school systems to limit their offerings. The students are there; where are the teachers?

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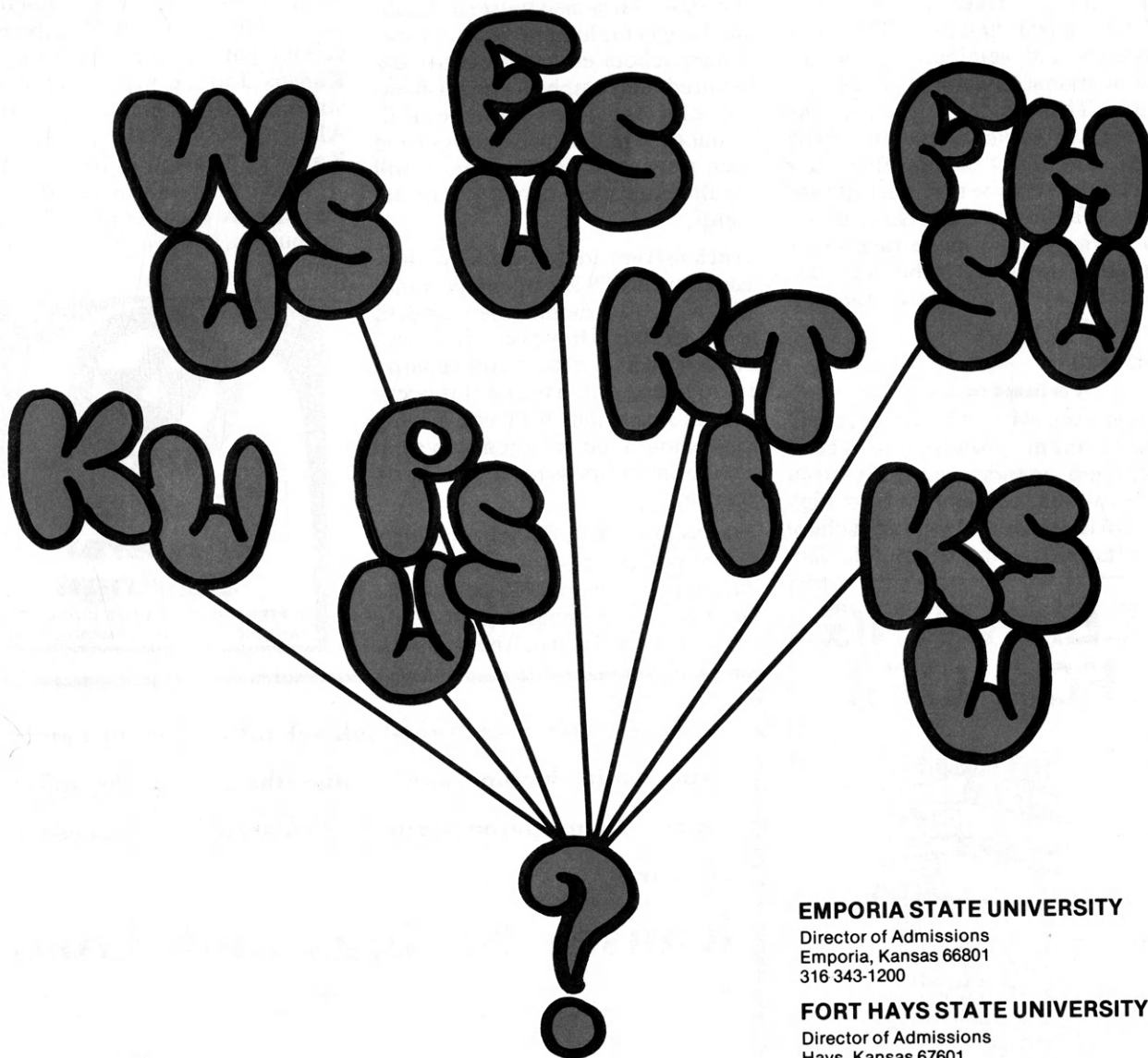


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The ministry

(Continued from page 34)

tions include serving as specialists in Christian education, youth ministry, clinical counseling, hospital chaplaincy, armed forces chaplaincy, missionaries, teachers in colleges and seminaries, and denominational leadership or supervision. The profession is broad enough to challenge persons with wide varieties of talent if they have a true desire to serve. Perhaps the best definition of a Christian minister is the phrase made famous by Gregory the Great who regarded himself as "a servant of the servants of God."

Careers

(Continued from page 32)

Secretaries will experience rapid employment growth and about 4,025 job openings annually from 1978 to 1985. Graduation from high school is essential. Post-high school secretarial training is helpful. Sec-

retaries are frequently promoted to other positions.

Telephone operators should have a pleasant voice and an ability to talk to people. They also must sit in confined areas for long periods of time. A high school education is usually required, and emphasis on business and clerical courses is helpful. About 425 annual job openings have been projected. Most of these will result from replacement requirements.

Truck drivers are projected to average about 1,675 job openings annually. Moderate employment growth is expected. However, it is not known what effect increasing energy costs will have on this occupation. Applicants for truck driving jobs should be in good physical condition and possess a chauffeur's license.

A total of 494,575 job openings are expected to occur in Kansas during the 1978 to 1985 period. To be sure of obtaining one of these jobs with a future, the student

should be informed before making a career choice. Such information as the nature of the work, training and qualifications required, advancement opportunities and employment outlook should be studied for occupations considered. Libraries, school guidance counselors, and Kansas Job Service Centers are sources of career information. Also, **Kansas Job Guides** and **Kansas Occupational Outlook — 1985**, two studies published by the Kansas Department of Human Resources, present job market information.



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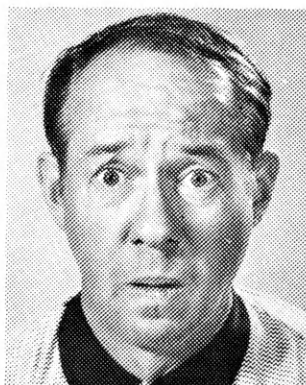
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