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Projects

KANSAS
4-H
JOURNAL

The Family Magazine

August 1988



Announcing

1988

4-H Safety Awards Program

sponsored by Kansas Farm Bureau Safety Division



TO ENTER:

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- Cash awards to all participating clubs.



**Give Safety
A Chance!**

Contact your county Farm Bureau office or:

Kansas Farm Bureau Safety Division
2321 Anderson Avenue
Manhattan, KS 66502
(913) 532-2261



KANSAS 4-H JOURNAL

VOLUME XXXIV NO. 8
August 1988

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Cover Photo by Ryan Splichal, Republic Co.



Accept the

Challenge

Phase III 4-H Campaign Participation

- ✓ Start planning now
- ✓ Watch September 4-H *Journal* for more information
- ✓ Receive state and national recognition

The challenge of participating in Phase III of the Kansas 4-H campaign, A Step Ahead, was presented in June to Kansas 4-H clubs by National 4-H Ambassador Craig Murphy of Riley County.

"All of you (Kansas corporations, businesses and individuals) have made impressive progress in the campaign so far. It is quite a challenge for us, but I accept that challenge on behalf of Kansas 4-H clubs," Murphy said.

In accepting the challenge, Murphy is urging Kansas 4-H clubs to participate in Phase III which will provide the funding needed to construct a Kansas courtyard at the National 4-H Center in Chevy Chase, Md., and one at Rock Springs 4-H Center near Junction City. Each club participating will be listed in permanent recognition at both centers.

While the actual plans for the National 4-H Center courtyard have not been finalized, an entry-way matching the center's architecture, a plaza area, trees and shrubs, and the permanent recognition structure are all elements in the courtyard in the preliminary plan-

ning stages.

Many states have constructed state areas in the National 4-H Center, and already enjoy pride of ownership in the National 4-H Center which serves as a home away from home for any 4-H family traveling in the Washington, D.C. area. In addition, the National 4-H Council provides Kansas 4-H'ers with county medals, trips to National 4-H Congress, educational scholarships, leader training for adult volunteers, trips to National 4-H Conference and trips to Citizenship-Washington Focus.

"It is time now for us to express our state's appreciation of financial and program support from the National 4-H Council," Murphy said.

Clubs should begin planning their fund-raising activities immediately and continue through the winter and spring months of 1989 to meet the May 1, 1989, deadline for participation, he said.

"Club packets with more specific details of Phase II of A Step Ahead will be available in county Extension offices by September," said Jim Ploger, development officer for the Kansas 4-H

Foundation. "We look forward to assisting Kansas 4-H clubs in their fund-raising efforts and goals for Phase III recognition levels."

The recognition levels are based on the amount of money raised on a per club per member basis. Official club enrollment figures for the 1988-89 club year will be used in calculating the level of recognition for each club.

Recognition levels are:

GOLD LEVEL . . \$20 per member

SILVER LEVEL . \$10 per member

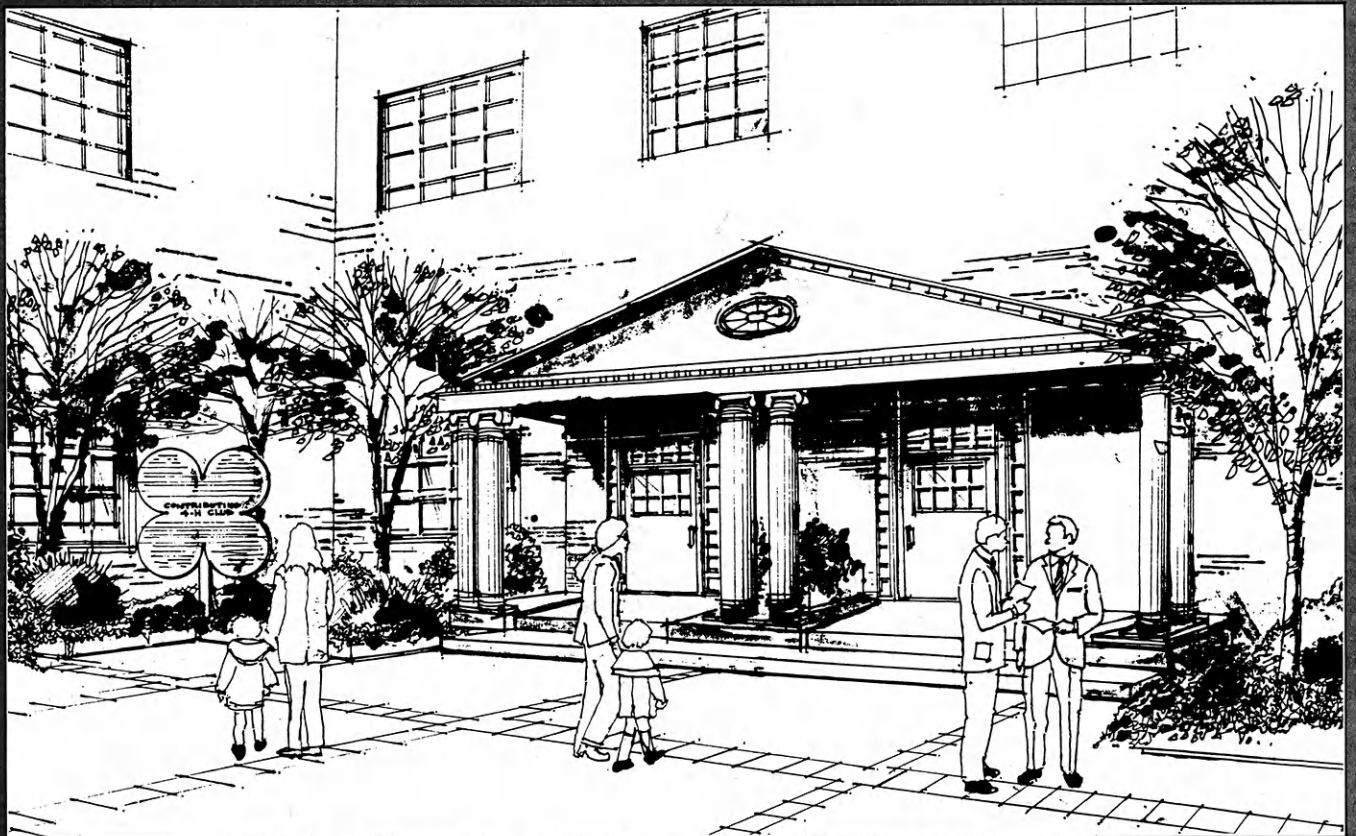
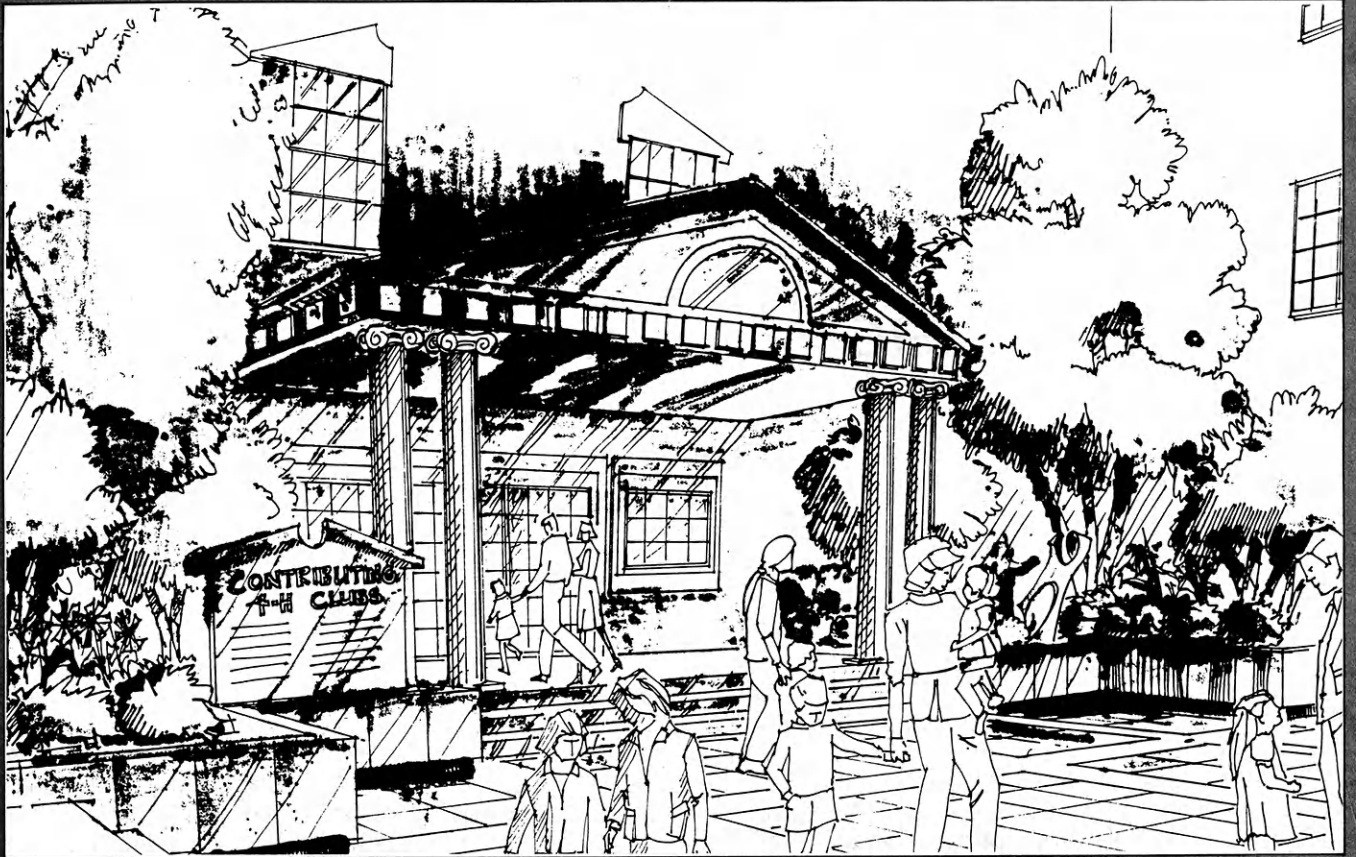
BRONZE LEVEL . \$5 per member

"To help clubs meet these levels, the Kansas 4-H Foundation has published a Kansas 4-H Cookbook featuring 4-H recipes and award-winning 4-H color photographs. This quality publication is unique to Kansas 4-H and will debut at the Kansas State Fair," Ploger said. "We urge all 4-H'ers to stop by the Kansas 4-H Foundation's hospitality tent on the encampment building lawn at the state fair and see the books."

Proposed sketches of the Kansas 4-H Courtyard at the National 4-H Center in Chevy Chase, Md.



A Step Ahead — 4-H Campaign





'Super Shopper' Saved the Day Taught Teen How Business Works

by Lee Jorgensen
Extension Communications
Kansas State University

Karen Dennis, 18-year-old senior at Ulysses High School, wanted a fancier car than the one that cost her \$80 a month to finance, \$400 a year to insure and \$90 a year in personal property taxes.

The problem was that she never seemed to have money left from one day to the next from her waitress job. She managed the down payment for her first car on what she received from the sale of her 4-H steer, but it looked like the "old wheels" would have to do.

Something happened, however. Three months later, she traded her 1979 compact for a 1982 model and now manages to pay \$120 a month for financing, \$66 a month for insurance and over \$100 a year in taxes. She also puts away \$40 a month in savings.

Has Karen unlocked the alchemist's secret of changing older cars into gold?

Hardly. But, as a result of enrolling in the Super Shopper Connection 4-H Project, she says, "I've learned to plan ahead on money matters and to set spending priorities." Karen's buying sharper now and in the process is learning how our economic system works.

"Most kids I know could benefit the same way," Karen says. "I was frittering money away on junk food and other foolish purchases. Now, I'm using my paycheck to pay for the car and put-

ting my tips into a savings account. I may use the nest egg to move to a new job in Missouri where I have relatives when all my friends here head off to college. I want to sit out school for a year or so."

Karen says her high school freshman business course offered general information, but the Super Shopper Connection goes into specifics.

"From the 4-H Super Shopper Connection I learned to keep track of how much money came in and where I had been spending it, how to shop and how to stem the outflow. I shopped for six months in four towns for the newer car before I found the deal I liked. Then, the dealership turned out to be the one where my dad bought his cars." Karen's parents are Pat and Bob Dennis, Ulysses.

The professional 4-H staff may not know if a new project succeeds until it hears from kids. Errol G. Burns, State 4-H Extension Specialist learned about the success of this project when he judged Karen's illustrated talk on the subject at Grant County 4-H Day. "It was a real life saver for me," she told Errol.

Doris "Katy" Walker, Extension family resources and public policy specialist, and Joyce Jones, Extension family financial management specialist, both at Kansas State University, indicate the Super Shopper Connection Project has enrolled youth

from 43 counties since last October. Kansas 4-H agents and leaders received leadership training last April.

"We created this project, designed primarily for 10- to 12-year-olds, in response to comments from people who said, 'Our young people need more business savvy,'" says Walker. Of course, it would benefit all teenagers."

The program has three parts:

Part I, "Dollars and Cents," deals with money, where you get it, how much you have and how you spend it. It also discusses how values or goals influence your choices, the steps to good decision-making and what to consider before buying anything.

Part II, "Shopping Savvy," covers planning your purchases, finding and using information, watching for special sales, shopping with a list and caring for purchases. It also illustrates how to use the decision-making process when selecting goods and services.

Part III, "To Market, To Market," describes the way the economic system works, the role of shoppers in helping decide how prices are determined, and rights and responsibilities of shoppers in the marketplace.

Although the project is for 4-H members, non-4-H'ers can benefit from the concepts, say Walker and Jones. For information on the project, contact your county Extension office or 4-H agent.

Say **Thanks!**

in the **KANSAS 4-H JOURNAL** to:

- Your host family
- Community leaders
- Extension agents
- Your community
- Junior leaders
- Livestock buyers
- 4-H supporters
- Project leaders
- Adopted grandparents
- Scholarship sponsors
- Your local newspaper
- A neighbor

4-H people have a lot to be thankful for. Say thanks to that special leader, agent, neighbor or friend who went that extra mile with you this year with a *Kansas 4-H Journal* thank you. Thank you's will appear in the November/December issue of the *Kansas 4-H Journal*, an appropriate time for giving thanks.

Anyone can place a thank you: 4-H'ers, parents, leaders, volunteers, clubs, county councils, agents. Cost is \$5.00 minimum for the first 15 words and 15¢ for each additional word. Cash or check must accompany the ad. Deadline for placing ads is November 5. The order blank below is for your convenience.

PLEASE PRINT:

Message: _____

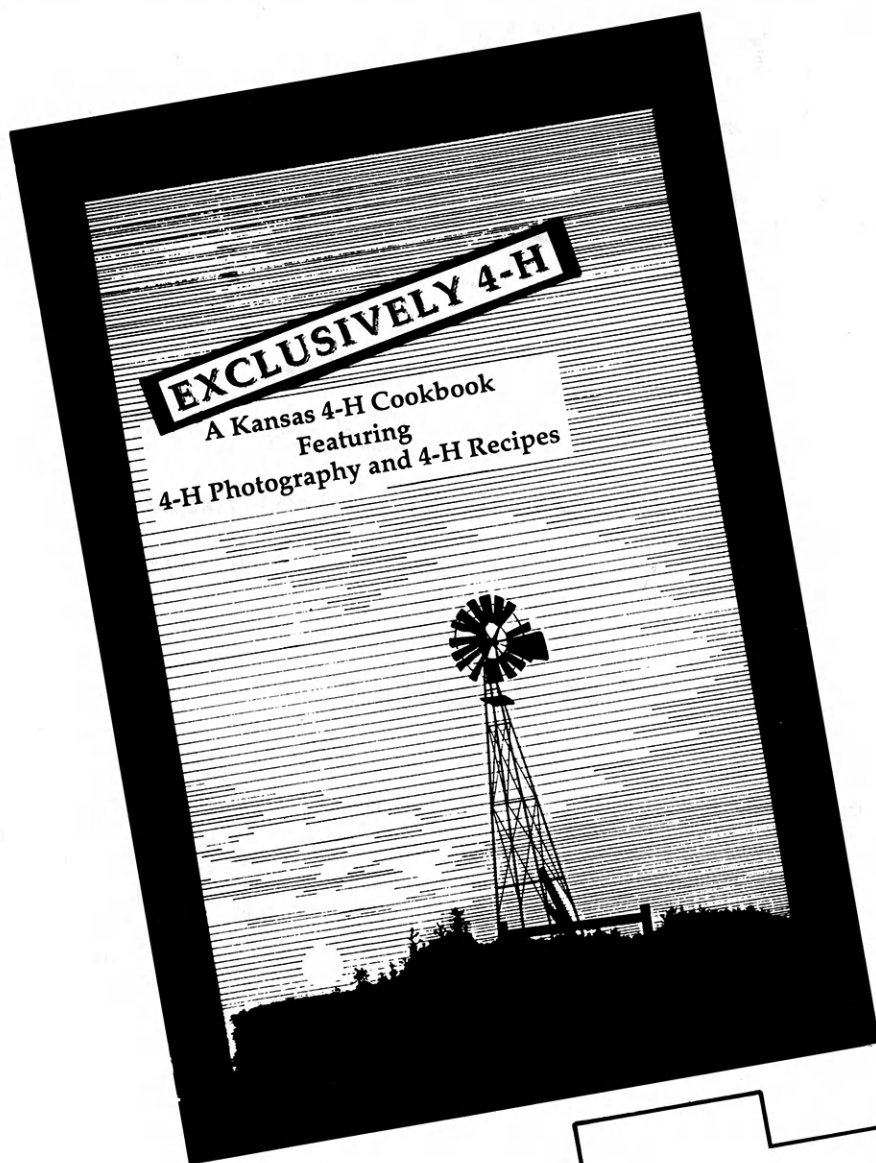
Name _____ Phone _____

Address _____

Mail to: **Kansas 4-H Journal**
116 Umberger Hall - KSU
Manhattan, KS 66506

\$5.00 for the first 15 words - 15¢ for each additional word. Please enclose payment.

A 4-H Fund Raiser - A Step Ahead Campaign



A project of the Kansas 4-H Foundation

Unique to Kansas 4-H

- ★ features winning 4-H color photography
- ★ tempting recipes contributed by statewide 4-H friends
- ★ 4-H ownership with pride

Quality Publication

- ★ premiere "first of its kind" statewide book
- ★ nutritional analysis of each recipe
- ★ over 400 recipes for 192 pages
- ★ limited edition hardback copies

Statewide Sales Support

- ★ sales training sessions
- ★ Foundation statewide promotion/publicity/posters/press releases
- ★ professionally designed retail marketing display packages/kits

Club/County/State Benefits

- ★ good value product - \$10 retail
- ★ clubs can use \$3 for Campaign credit and recognition

Sales Plan

- ★ a product to generate consumer demand
- ★ independent club participation possible
- ★ books ordered direct on toll-free number - shipped within 48 to 72 hours
- ★ available for prime retail marketing period - holiday gift sales

Hamburger Stuffed French Bread

1 loaf unsliced French bread
1 lb. ground beef
½ c. green pepper, diced
½ c. celery, chopped
½ t. pepper

1 T. Worcestershire sauce
1 t. salt
1 can cheddar cheese soup
3-4 slices American cheese

Brown ground beef, drain, and add all ingredients. Simmer 5 minutes. Cut off top of bread lengthwise and hollow it out. Tear bread into small pieces, enough to make 2 cups, add bread to hamburger mixture. Stuff into hollowed out bread, top with cheese slices, add the top of bread.

Bake 5-8 minutes at 350 degrees. Slice and serve. Approx. 15 servings.

Heather Frasier, Wallace County

Cookbook Kick-off Kansas State Fair

Available to you after the State fair. Contact your County Extension Agent for more information.



State Fair 4-H Cookbook Kickoff

The first-ever Kansas 4-H cookbook featuring taste-tempting 4-H recipes and award-winning 4-H color photography will debut at the Kansas State Fair and will then be available to Kansas 4-H'ers as a fund-raising project for Phase III of A Step Ahead, the 4-H campaign.

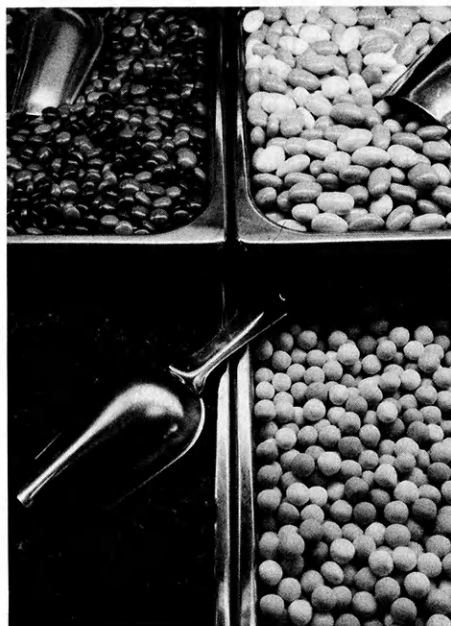
Celebrity cooking demonstrations in the state fair's Pride of Kansas building, a silent auction for limited special editions and public displays of the book's color 4-H photography are all on tap for the kick-off of this unique Kansas 4-H cookbook. The Kansas 4-H Foundation invites all 4-H members and families, alumni and 4-H friends to join in the festivities in the hospitality tent on the 4-H encampment building lawn at the state fair. The tent will be open daily from 9:30 a.m. to 5 p.m. throughout the fair.

The book premieres as the "first of its kind" statewide Kansas 4-H cookbook with 192 pages including over 400 recipes complete with nutritional analysis of each recipe, and is the result of efforts from 4-H'ers, alumni, 4-H friends, Extension staff and the staff of the Kansas 4-H Foundation.

Five hundred limited special editions will be printed, and the first ten off the press will be available through a silent auction process. Each will feature a personalized special message from a Kansas celebrity. Bidding for the special edition books will begin Sept. 9 and will continue until Oct. 1. Stop by the hospitality tent to submit your bid or call the Kansas 4-H Foundation office for more information at (913) 532-5881.



▲ Star Hildenbrand
Reno County



▲ Scott Krusemark
Reno County



▲ Molly Tanner
Stafford County



Rock Springs 4-H Center Home to Summer 4-H Campers

It was all quiet on the home-front of county 4-H families over the summer as many youngsters packed their bags...their munchies...their radios...their tape players...their pillows...piled into buses or cars and headed to summer 4-H camp at Rock Springs 4-H Center.

The serenity of the center which is nestled in the Flint Hills near Junction City is broken as the caravan arrives, and the year-round camping and conference center transforms into 415 acres of resort-like paradise for the young campers.

Room assignments are made and the campers unpack all the necessities they brought from home to make the camping experience complete. They are housed in dormitory-style cottages with bunk beds and adjoining lobbies with all the comforts of home. Duties and expectations are outlined and the campers participate in group building exercises to get to know one another.

From the group building exercises, members of each camp group decide on their afternoon activities. The choices are many, and sounds of kids having fun echo throughout the center. 4-H'ers can be found swimming, riding horses, fishing, canoeing, or playing tennis, softball, basketball and volleyball. Or, they can try their hand at archery, trap shooting and riflery. Still others may be hiking the nature trails or tackling orienteering course.

Although the kids are having fun, 4-H camp also provides many learning experiences. Decision making, relating to others, concern for the community,

developing inquiring minds and positive self image are all emphasized during each camp activity.

As time for the evening meal rolls around, the campers make their way back to Williams Dining Hall. The hall seats over 500 and its design features native limestone as do all the buildings at Rock Springs. Meals are served family-style, and each camper takes a turn at setting the table, serving the meal and cleaning up. This, along with all other camp activities, enhances the cooperative spirit and group unity associated with summer camp.

The evening activity involves everyone at the center and ranges from water carnivals at the pool to dances. As the first day of camp ends, campers settle into their cottages and discuss the next day activities with their counselors.

The camp counselors are teen leaders and are responsible for making sure their camp group makes it to activities, meals and meetings on time. Lights out and helping those with homesickness - yes there is some of that - are also camp counselors responsibilities.

Just as some have finished whispering from bunk to bunk, it is time for the wake up call and the beginning of day two of 4-H camp. The activity starts with cottage clean-up and inspection followed by breakfast and a fun-filled day of activities at the center.

By day three, 4-H'ers have found their favorite places at the camp. Some enjoy the rhythmic turning and splashing of the cool spring water from

the famous Rock Springs waterwheel while others gather at the wooden swimming pool bridge. The fun, special friendships and lessons learned will be fond memories for these campers in the years ahead. As dusk settles over the camp, there is a quiet calmness of 4-H'ers whose summer camp for this year is about to end.

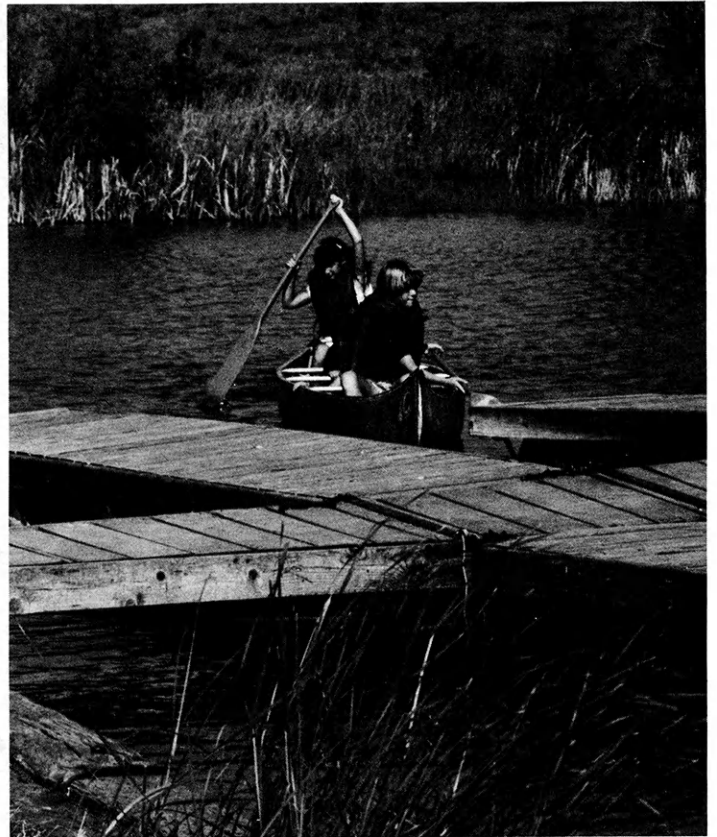
Day four quickly passes, and after the noon meal, the bags, radios, tape players, pillows are piled back into the buses and cars. Good byes are said, promises to write and call are exchanged, and a much quieter group than arrived just four days ago is on its way home.

As the campers leave, the Rock Springs staff is busy preparing for the next group to arrive. The center is home to 4-H campers statewide from June to the end of July, but is available to other groups organized with an educational purpose throughout the year. Rock Springs is owned and operated by the Kansas 4-H Foundation which also publishes the Kansas 4-H Journal, owns and operates the Clovia Scholarship houses at Fort Hays State and Kansas State Universities, and provides over \$100,000 annually to 4-H'ers for trips, scholarships and awards.

For more information about Rock Springs 4-H Center or for reservations write: the Kansas 4-H Foundation, 116 Umberger Hall, Manhattan, Kansas, 66506 or call (913) 532-5881.



Summer Camp '88



ROCK SPRINGS



Attention, Kansas
4-H Clubs:
Use Your 4-H
Center Year-Round!

Start
Planning Now!

4-H CENTER

Yours to Use

The Rock Springs 4-H Center is exactly that — a 4-H center designed for your use. Yes, you go to summer camp at Rock Springs, but you can also enjoy the complex at other times throughout the year. Start planning now for your next:

- Leadership Training Workshop
- Fall and Winter Planning Retreat
- Project Fair or Seminar
- Trail Ride or Hike

Let us help coordinate the equipment, activities and schedule for your club or county outing so you can simply enjoy the learning environment and fun offered at Rock Springs.

Housing

Your group will be housed in comfortable cottages with bunk beds in dormitory style quarters or shared bedroom-bath units designed to enhance the group enthusiasm and co-operative spirit shared at Rock Springs.

Meals

Traditionally, Rock Springs' meals are served family-style. However, you can arrange to have picnics, barbecues and banquets for your special club outing at the center. Be sure to ask us about preparing snacks and beverages for breaks throughout your stay with us.

Equipment Rental

If you are planning an activity away from Rock Springs and need equipment, we can help. You can rent canoes, canoe trailers, lifejackets, backpacks, backpack tents, and much more from the center by just writing us at: Rock Springs 4-H Center, R.R. 1 Box 55, Junction City, KS 66441, or give us a call at (913) 257-3221.

Reservations:

Ms. Teri Springer
Scheduling Coordinator
116 Umberger Hall
Kansas State University
Manhattan, Kansas 66506
(913) 532-5881

Kansas

4-H

Join Today!



*A Supplement
to the Kansas 4-H
Journal 1988*

Kansas 4-H Project Selection Guide



1988 Project Selection Guide

Hearing rumors that changes were being made concerning the Kansas 4-H Project Selection Guide, the *Kansas 4-H Journal* decided to go right to the source to check this out. Seeing in last month's *Journal* that Steve Fisher, Extension Specialist, 4-H Youth Programs was to be in charge of 4-H Curriculum, we went to Steve's office for answers to these questions.

What is the 4-H Project Selection Guide and how do 4-H members use it?

The Project Selection Guide gives a short description of all projects available to Kansas 4-H members. Members, leaders and parents should use it as a guide in project selection. If 4-H members and their families read over these descriptions they will be able to make good decisions on what projects they may wish to participate in. First year members should select only one or two projects that will fit the members needs. Older members may want to take more than one or two projects but thoughtful care should be given to taking more projects than you have time to satisfactorily complete the requirements.

Why does the Project Selection Guide look different from past years?

During the past 18 months, the State 4-H Office had a Curriculum Development and Management Committee making recommendations for future Kansas 4-H materials. One of their recommendations was to reorganize the project offerings into five major categories. Thus, all projects for this year are divided into five divisions: Animal Sciences, Family Living, Individual and Community Resources, Natural Resources, and Plant and Mechanical Sciences.

What do these changes mean?

Rather than listing projects alphabetically, we think it makes more sense for members to consider projects that are somewhat related to each other and that is how these five major categories were determined. It may mean that you will have to hunt a little harder to find a project that you are interested in. It may also mean that you might think about other related projects and enroll in projects that compliment each other. For example, if you enroll in Sheep, the Meats project and Vet Science project could supplement and build upon each other. This would give you a more indepth project experience and at the end of the year you would realize you have learned some really important information.

Why have some projects or phases been eliminated?

Another recommendation of the Curriculum Development and Management Committee was to evaluate priority project offerings at the county level and low enrollment projects at the state level. Nineteen project phases have been eliminated from this year's card based upon projects that had 100 or fewer members enrolled state-wide. Printing budgets have not been able to be increased significantly in the past several years. Some counties have fewer Extension agents to manage the Extension program at the county level. We can no longer afford to be everything to everybody. Thus, decisions were made so that handling literature at the county level might be more manageable.

What can a 4-H member do if they want to enroll in something that is no longer listed?

Members are encouraged to enroll in phases or projects that have been eliminated as a Self-Determined project. For example, Advanced Geology is no longer listed in the project selection guide. If you were ready to move from the Intermediate Geology unit to the Advanced unit, you should list Advanced Geology as a Self-Determined project on the enrollment card. 4-H materials will no longer be provided for the projects that were eliminated, so you will have to use the library and other resources as you plan your Self-Determined project.

(continued on page 3A)



(continued from page 2A)

Were these changes also made on the new enrollment card?

Yes, the 4-H enrollment card for 1988-89 corresponds to the projects by number and title as listed in this Project Section Guide. They are also organized on the enrollment card by the five major curriculum divisions. You will no longer check the projects you wish to enroll on the back of the enrollment card but will write the name and number of the projects you choose on the front side of the enrollment card.

Who is available at the local level to help 4-H'ers select projects?

Club organizational leaders, project leader trainers, some club advisory committee members and older teen members who have taken different projects are all good resources to help new 4-H families make decisions on what project or phases are appropriate for each 4-H member.

What is the purpose of the 4-H project?

The project provides the learning activities that teach the 4-H members the living skills and life skills that we want them to have when they leave the 4-H program. Living skills are knowledge skills about how to raise animals, how to prepare nutritious food, or how to make good decisions on health and safety. Life skills are such things as learning to work with other people, learning to communicate with others and make good decisions. These are the broad objectives of the 4-H program. When members select a project, meet with an interested leader and other members to study that project, and learn these skills, they will feel good about what they have accomplished and will feel good about themselves as an individual. That is what 4-H is all about.

Animal Sciences

Beef

101 Bucket Calf

Youths 7 to 12 learn to love and care for a young calf, developing basic knowledge on proper feeding, housing, managing and showing.

102 Market Beef Steer Unit 1: Introductory 4-H Steer Feeding

Own, feed and manage one or more steer calves of acceptable quality for a minimum of 140 days.

Weigh and identify steer at the beginning of project.

Secure bulletin, 4-H 344, *Introductory 4-H Steer Feeding* and carry out the learning experiences in chapters 1 through 8.

103 Breeding Beef Unit 1: Introductory Beef Breeding

Own, feed, and manage one or more heifers or cows for breeding purposes.

Secure bulletin, 4-H 345, *Introductory Beef Breeding* and carry out the learning experiences in chapters 1 through 7.

Dairy

111 Calf or Heifer

Own one or more high grade or purebred dairy calves or heifers.

Feed and manage the calf or heifer for breeding purposes.

To exhibit at state shows, registration or transfer papers must be in the 4-H'ers name and dated not later than July 1.

112 Cow Production

Own one or more dairy cows.

Feed and manage the cow through the gestation, calving, and production period.

Feed and manage the calves produced.

To exhibit at state shows, members must have registration or transfer papers in their name by July 1.

Keep production records on each current lactation. Dairy production records start October 1 and end September 30 of each year.

113 Dairy Beef

Own one or more steer calves of dairy breeding.

Project may start with a baby calf or feeder steer and terminate with a feeder or slaughter steer.

The steer must be fed and managed for a minimum of 140 days.

Consider including the Veterinary Science Program, page 14, if you enroll in the Dairy Project.

120 Dairy Goats

Own one or more purebred or high grade does.

Feed and manage the doe for breeding purposes.

Breed doe to registered buck.

Feed and manage the kids produced.



Dog Care and Training

Care for and train one or more dogs. Dogs may belong to member or to member's family, may be male or female, spayed, registered or unregistered, and may be of any breed or combination of breeds.

Keep records on cost of care and feeding of dog. You may enroll in any one or combination of the three phases at the same time.

131 Unit 1: Dog Showmanship

Learn how to groom and handle your dog for the show ring.

132 Unit 2: Dog Obedience

Learn how to train your dog for obedience.

133 Unit 3: Breeding and Management

Raise dogs for sale. Consider including the Veterinary Science Program, page 14, if you enroll in the dog project.

Horse

140
Manage at least one light horse of any breed or age.

Keep records on horse or horses from the start of the 4-H year, or as soon as the horse is purchased. Member must manage the horse at least 75% of the time from May 1 through September 30.

Properly identify your horse project on the "4-H Horse Identification Certificate."

Certificate must be in county Extension office by May 1.

Each project horse must be owned and/or managed according to the following:

You may own the horse yourself or immediate family, or your legal guardian.

No more than two members of a family may carry the same horse as a project.

150 Horseless Horse

Designed for 4-H'ers who would like to learn about horses, but who are not able to own a horse. They may want to visit a farm or stable to learn about horses, or study project material that is available.

Suggested experiences include presenting a talk or demonstrating about something they learned about horses, or participating as a horse judging or horse bowl team member. They may also want to assist with 4-H horse events in their county.

They must enroll in the regular horse project and meet the requirements to be eligible to show a horse at the District or State 4-H Horse Shows.

Meats

160
New learning experiences expand on foods, beef, swine, and sheep project experiences.

Many individual's interest areas may be explored. Some of the more common include:

Identify retail cuts with methods of cookery.

Evaluate carcasses and cuts for quality and yield differences.

Study food value contribution of meat to human diet.

Select and prepare meat for family meal.

Study meat marketing chain from livestock producer to processor to retailer to consumer. Learn about career opportunities.

Participate in meat identification and judging contests.

Pets

171 Aquarium Pets

Keep and observe one or more aquarium pets such as fish (tropical or gold), frog (tadpole) or toad, lizard or salamander, or snake.

Read one book or pamphlet about their kind of pet.

Give a talk or demonstration about their pet.

Complete the record sheet and write a story about the project.

172 Enjoy Your Cat

Take care of and learn about at least one cat during the year.

Start with a kitten or mature cat.

Learn the health needs of cats.

Observe and understand the physical make-up of cats.

Teach the cat the rules of the house.

Fill in appropriate pages in the project booklet.

Give a presentation showing something they have learned.

173 Hand Pets

Keep and care for one or more hand pets (at least four months).

Read one book or pamphlet about their kind of pet.

Complete the record sheet and write a story about their pet project.

A hand pet may be a rabbit, guinea pig, hamster, or gerbil.

Poultry

181 Market Poultry

Broilers, roasters, capons or turkeys. Start with any number of chicks or poult of either sex for broilers, roasters, and turkeys or cockerels for capons. Follow recommended practices to grow birds to market age in the most economical manner. Keep accurate records.

182 Laying

Grow and/or manage pullets or hens for laying during the project year. Keep accurate records.



183 Exhibition

Start with any number of one species of exhibition poultry (chickens, turkeys, ducks, geese) and feed and manage. Keep appropriate records.

184 Pigeons

Own and care for a minimum of one pair of birds with at least one brood during the first year.

Rabbits

190

The intent of the rabbit project is to help youth better understand how to properly breed and raise rabbits and develop initiative and responsibility in their work. 4-H'ers will learn how to feed, house, manage, breed and show rabbits.

Sheep

201 Market Lamb

Own one or more purebred, crossbred, or grade lambs at least 90 days before any recognized show.

Identify all animals with an approved tag. Feed and manage the lamb during the fattening period.

Weigh market lambs when the project starts and at fair time to figure average daily gain, feed costs, and financial return.

202 Registered Breeding Sheep

Own one or more registered purebred ewe lambs, yearling ewes or older ewes.

Feed and manage ewes for breeding.

Keep appropriate production records including ram service fees.

Lambs produced may be fed for market or breeding.

Identify animals properly and register with breed association.

203 Commercial Breeding Sheep

Own one or more serviceable ewes. The ewes may be purebred, grade, range or native.

Breed ewes to a sire-breed ram. (Ram may be part of the project.)

Feed and manage ewes through the gestation, lambing, and nursing period. (Lambs produced may be fed out or sold as feeder lambs).

Swine

211 Market Pig

Own one or more purebred, crossbred, or grade feeder pigs.

Feed and manage the pig during the fattening period.

Pig must be owned for at least 90 days to be eligible to be exhibited.

Weigh and identify your pigs at the start of the project.

212 Breeding Gilt

Own one or more purebred or crossbred gilts.

Manage and feed the gilts for breeding purposes.

Gilt must be owned for at least 90 days to be eligible to be exhibited.

Only registered gilts born after February 1 of the current year can be shown at state shows.

213 Sow and Litter

Own one or more purebred, grade, or crossbred sows.

Breed Association programs should be followed as to care and management of project.

Keep records on fall farrowed litters as well as spring farrowed litters.

Pigs raised from these litters may be exhibited in market barrow or gilt classes if members are enrolled in those projects and complete the appropriate records.

Veterinary Science

To help youth better understand animals, their health and disease problems, and how this relates to man, three units of study are offered:

221

Unit 1: The Normal Animal

Attitude and Behavior
Skin Membranes and Intestinal Discharges
Body Temperature, Pulse, and Respiration Rate
Maintaining Animal Health
Cleaning and Disinfection
The Cells of the Animal Body
The Organs and Systems of the Animal Body

222

Unit 2: Animal Disease

Introduction to Disease
Bacteria and Disease
Viruses and Disease
External Parasites
Nutrition and Disease
Poisons and Disease
Stress and Disease
Heredity and Disease

223

Unit 3: Animal Health and its Relationship to Our World (A Self Study Course)

Environmental Influence on Animal Health
Animal Health as Related to Public Health
Animal Health as Related to Nutrition
Maintaining Animal Health — Immune System or Medicine?
Practical Veterinary Medicine at Home
Possibilities of Veterinary Medicine for a Career



Family Living

Building Family Strengths

230

Explore family heritage with your family and do other fun activities together as a family.

Clothing

Each year 4-H members will be learning about fabrics, construction techniques, equipment, grooming, care of clothing, and buymanship.

241

Adventures in Clothing

Learn to choose sewing tools. Use and care of sewing machine. Care of clothing.

Make articles that use straight seams, square corners and backstitching. Ideas for articles to make:

Needle book. Pin cushion. Oven mitt. Tote bag. Book bag. Simple dress. Blouse. Swimsuit coverup. Pop-over shirt. Construct an article, a garment, or a two-piece coordinated outfit.

242

Clothing Speaks

Learn about line, design and color, pattern sizes, selecting a pattern, different kinds of fabrics, sewing with a pattern, new sewing skills, modeling, and hair care.

Construct a garment or a two-piece coordinated outfit.

243

Clothing Classics

Learn about building a wardrobe, choosing accessories, design and color, improving sewing skills, textiles, sewing different kinds of fabrics, types of interfacing, care of clothing, and good grooming.

Construct a garment or a two- or three-piece coordinated outfit.

Knitting Helps Hand Control After Surgeries



“**T**hey say that cats have nine lives. Maybe so. Sometimes I believe that I, a human boy, also have nine lives,” Jerrod Rauth said.

Rauth is a nine year member of the Town and Country 4-H club in Scott Co., and was recently named the state 4-H champion in the knitting project.

“I’ve had three open heart surgeries with no hope for recovery each time. With God and the help of some terrific doctors, this boy has overcome the odds for survival and has conquered victory over death,” he said.

Although he has many projects, his favorite are knitting and crocheting. “They are twins, and they accomplish the same things,” he said. “Knitting was a bit more challenging as it was my first attempt to help my hand controls that were damaged from heart surgery.”

Learning to use his hands to get the tension just right was an important part of his knitting project because if the tension is not even one will have a railroad track effect on the garment they’re knitting.

“Flying fingers, I’m not but I have a

steady hand that will turn out sweaters, doll clothes, toys and afghans. When I first signed up in the knitting project, I did it to prove I could overcome my physical handicap by learning to do one of the most difficult hand crafts. It was slow, and I learned to knit right handed even though I’m left handed. I learned if you want a winning garment you may have to rip out a stitch or two...or three...or four...or maybe even five,” he said.

Helping others is an important part of any 4-H project, and Rauth’s knitting project is no exception. He said his biggest thrill was being able to teach his ministers wife to knit. She had tried to learn before, but had given up. She now is determined not to give up because he gave her the needed inspiration.

Rauth said he is glad to have a little part of growing with each project as he looks back over the events that have happened, “some of them good and some of them not so good.” Each life that I’ve touched this year, I hope has been brighter for everyone I met along the way,” he said.



244

Special Clothes

Make two garments for special occasions, using a new type of fabric you have never sewn on before.

245

Complete Costume

Learn about fashion, fabrics, tailoring or advanced sewing techniques and career opportunities.

Construct one or more coordinated outfits.

246

Clothing Carousel

Emphasizes how to plan, select and buy clothes. Teenage girls will purchase one complete outfit.

247

Clothes Strategy

Emphasizes how to plan, select and buy clothes. Boys will purchase one complete outfit.

Crochet

250

Each year make one large or two small articles.

Begin by learning to do chain, single crochet, double crochet, and slip stitch stitches. Also learn to increase and decrease stitches. Each year improve skills already learned and try new stitches.

Food Preservation

260

Enroll in food preservation and select one or more of the 4 units which are suggested in the member material:

Unit 1

Canning and freezing fruits, canning tomatoes, and making home sweet spreads (except jelly).

Unit 2

Canning and freezing low acid foods and making pickles and relishes.

Unit 3

Making jelly, freezing main dishes, baked products, desserts, etc., and preserving more of other foods.

Unit 4

Drying fruits, vegetables, herbs, and meats.

Foods and Nutrition

271

Neat-to-Eat Snacks

For beginning cooks. Develop food preparation skills, and learn about nutrition and food safety as they make and eat nutritious snacks from the four food groups.

272

Snacks and Mini-Meals

For the not-quite-beginning-stage cooks who want to learn recipes which are a bit more difficult and make use of the stove. This phase continues training in good cooking habits and eating proper foods.

273

Discover Kansas Foods

Explore Kansas in a unique way. Learn fascinating facts about foods such as buffalo burgers, George Washington Carver beans and Johnny Kaw quick breads. You'll also learn some things about healthy food choices, buying and storing tips and how to serve food. You'll make salads, cookies and milk drinks, too.

274

Fitting It All Together I

Introduces members to information on nutrition, fitness and a healthy lifestyle. Will prepare pizza, milk drinks, nachos, sandwiches, fruit snacks, stir-fry vegetables and chili-con-carne.

275

Fitting It All Together II

Continues to emphasize nutrition, fitness and a healthy lifestyle. Includes information on snacks, fast foods, soups and salads, food myths and planning lunches. Counties must purchase member books.

276

Foods with an International Flavor

Learn to entertain friends with snacks, meals and parties through serving chili, pizza, lasagna.

Plan and serve a luau.

Learn to make mealtime special.

277

Yeast Breads

Understand the principles and techniques involved in making yeast breads and rolls.

278

Advanced Foods

Explore your food interests. Spend 30-50 hours involved in a special food interest area such as microwave cooking, entertaining, decorating foods, dried foods, gifts from the kitchen and weight control, etc.

280

Fun with Children

This project gives the 9- to 12-year-old member a chance to help a pre-school "fun-friend" in their development in many areas such as Stories and Make Believe, Art and Music, Toys and Play, and Nature and Animal Activities.

290

Health

Develop desirable health habits and attitudes toward personal health — physical, mental, and emotional. Focus on health areas such as smoking, drug abuse, alcohol, and personal fitness.



300

Home Environment

Acquire a knowledge of principles and materials necessary to make the home more attractive, convenient and comfortable within the family's resources.

Make things for your own room, such as rugs, wastepaper baskets, bulletin boards, etc.

Make a list of things that would improve the rooms in the home.

Decide what you and your family will do each year. We encourage the 4-H'ers to work with other family members in making their home improvements. Just keep a record of what member does and what other family members do.

310

Knitting

Each year the 4-H'er will make one large or two small articles. Begin by learning how to cast on, do knit-and-purl stitches, how to increase and decrease.

Each year try new stitches and/or patterns.

Super Shopper

321

Dollars and Sense, Year I, deals with money ... where you get it, how much you have and how you spend it. It also discusses how values and goals influence your choices, the steps to good decision making and what to consider before buying anything.

322

Shopping Savvy, Year II, covers planning your purchases, finding and using information, watching for special sales, shopping with a list and caring for purchases. It also illustrates how to use the decision-making process when selecting goods and services.

323

To Market, To Market ..., Year III, describes the way the economic system works, the role of shoppers in helping decide how prices are determined and rights and responsibilities of shoppers in the marketplace.

Individual and Community Resources

Arts

Learning experiences:
Creative self-expression.
Principles of design.
Skills of using various media.

331

Crafts

Explore and observe the beauties in nature. The basis for design principles is demonstrated in nature.

Collect leaves, flowers, driftwood, shells. Use them to make decorative objects.

Experiment with available materials, using imagination and creativity.

Examples of items to do:

Make a cornshuck object.

Make a leaf print.

Make a mobile, using twigs and weed pods, etc.

Dry flowers and make a flower picture.

Make a piece of jewelry from stones and copper wire.

332-337

Skill Arts

Example of skill art areas:

Sketching, drawing, and

painting.

Carving.

Ceramics.

Leather.

Fabrics and fibers.

Stitchery.

338

Cultural Arts

Study and report on classic and contemporary forms such as:

Visual art — study and share information on artists and art galleries in Kansas. Visit an art gallery. Study arts of a particular period in history or a particular people.

Music — Listen to music of specific composers. Study backgrounds of composers. Share with others.

Literature — Read books. Explore authors' backgrounds and what inspired them to write.

Explore art forms related to a particular culture or era, e.g.:

Renaissance

The New Republic.

American Indian.

Black American.

Mexican American.

Personal Heritage.

Heritage of another.

American culture.

Heritage of a region of the U.S.

Citizenship

Citizenship is acting with informed concern for self and others.

Life skills form the foundation upon which rests the relationship an individual has, beginning with self, extending to other groups; family peers, community, state, nation and world. The relationships take place in the economic, political, social and physical environments.

4-H'ers may choose from 8 different units in 5 phases of citizenship. It is suggested that individuals enroll in one unit per year and progress as far as they wish in order of units.

Counties must purchase member books in many of these phases.

Phase One — Self & Family (ages 7-10)

341

Unit 1: Me, My Family & Friends

Self-identity, self-acceptance and relations with family and friends are studied. It means, "Good citizenship is knowing who I am being able to relate to others."



342

Unit 2: My Neighborhood

Move beyond the family and close friends into the neighborhood and school. It means, "Good citizenship is knowing and sharing with neighbors."

Phase Two — Community Involvement (ages 11-14)

343

Unit 3: My Clubs & Groups

Learn to function in organized groups to be more effective participants. It means, "Good citizenship is participating in group decision making."

344

Unit 4: My Community

Learn to understand and how to be involved in your community. This is a multi-year unit and may be continued as long as a 4-H'er wishes.

Phase Three — Governmental Process/ County, State, National (ages 14 and up)

345

Unit 5: My Government

A member may wish to spend one year on each level of government. Included in this unit are discussions on governmental systems, laws and voting. This includes the importance of citizen involvement in the governmental processes.

Phase Four — International Focus (ages 12 and up)

346

Unit 6: My Heritage

Learn about family heritage through developing a family tree. Also, study heritage from other selected areas of interest.

347

Unit 7: My World

Members interested in International study and experiences will want to condense this unit. Activities include Inter and Intra Exchanges such as IFYE, Labo, state and county exchanges, etc.

Phase Five — Others (In depth Study)

348

Unit 8: Others

If a 4-H member desires to study further a specific area, study other material available under Building Family Strengths, Exploring 4-H, or Fun with Children. Use the available records for each of the above.

350

Exploring

This project strives "to search through or into for discovery." Exploring is an experience of discovery for the young 4-H'er or new 4-H members. This is a project designed to be done in small groups in which 4-H'ers sample a variety of activities offered in 4-H such as cooking, safety, craftsmanship, woodworking, drama, animals, nature, recreation as well as the variety of talents and interests within themselves. The possibilities for exploration are limited only by those limits set by the group itself.

Exploring deals with questions like how am I alike and different from my friends? What's a 4-H club? What can I contribute to my family? Learning occurs by involvement with family and project group members as 4-H'ers explore themselves and the world around them.

Some sample project meetings have been: hillbilly band day, hazard hunt day, make a giant pizza day, create a creature day, junk food day, animal day, nature day, have a party day. Your project leader can help you explore other possibilities.

Materials are designed to be best used by 4-H'ers who are 9 years old and older.

Leadership

360

Focus on Leadership

4-H'ers will learn about the different styles of leadership they can use to help other 4-H'ers learn. The leadership record is a valuable tool to help teen leaders (junior leaders) as they plan and put into action the things they want to do in leadership.

Photography

311

Adventures with Your Camera

4-H'ers may use a pocket, instant, semi-adjustable, or fully-adjustable camera. The pictures will be snapshot size and may be of any subject the 4-H'er wishes. While taking pictures 4-H'ers will learn to:

- Load and unload film.
- Hold and aim the camera.
- Take care of film and negatives.
- Take horizontal and vertical pictures.
- Clean the camera.
- Discover how the film works.

372

Exploring Photography

4-H'ers may use a pocket, instant, semi-adjustable, or fully-automatic camera. The pictures they take and use may be snapshot size or enlargements. 4-H'er should learn to:

- Take shots from different angles.
- Use the "rule of thirds."
- Frame a subject or scene.
- Use perspective and leading lines.
- Why different films have different speeds and how to use them effectively.
- Mount photographs for display.
- Take pictures that tell a story.
- Record an event, activity, or trip.
- Use simple flash.
- Make trick shots.



373 Mastering Photography

4-H'ers may branch and experiment in different areas of photography. Some youngsters may want to concentrate in one or two areas of study. 4-H'ers may learn to:

Use filters, different kinds of lenses and meters.

Take portraits, studio and nature shots.

Double mount or use other special display techniques.

Make title slides.

Make a four-to-seven minute slide tape.

Handle a motor drive effectively.

Take pictures to illustrate a book, project records, club history or family memories.

Judge photos.

374 Darkroom Techniques

4-H'ers concentrate on darkroom techniques and developing films and prints. They may learn to:

Develop film and make proof sheets.

Process and mount slides.

Make a simple enlargement.

Crop, dodge, burn in or edge-burn.

Select a filter or paper grade that is just right.

Tone photographic paper.

Create special effects — printing with double negatives, screening, etc.

Make photographic plates for printing.

380 Public Speaking

Strive to bring the purpose and value of 4-H work to the attention of the general public in greater measures. You may do so in one or more of these ways.

Talks.

Demonstrations.

Exhibits.

Radio and TV.

Organizing new clubs.

Obtaining new members.

Colored slides and photographs.

Panels and discussions.

Plays, skits, and ceremonies.



4-H Photography Used in Statewide 4-H Publications

The *Kansas 4-H Journal* and the Kansas 4-H Foundation publishes award-winning 4-H photography in an effort to allow 4-H'ers the opportunity to have work printed in a statewide publication.

◀ Ronda Clark
Cherokee Co.

Reading

391 Reading for Enjoyment

Read a minimum of five books, two of which are non-fiction.

Share the book you enjoy best with someone — parents, family, leader or 4-H'er.

Do one or more of the suggested activities and as much of "Know Your Library" as possible. (See *4-H Reading Project*, 4-H 191).

Optional:

Prepare an exhibit, either as an individual or club.

Prepare a poster or book display of library aids, such as card catalog, references, or "Readers' Guide."

392 Reading for Project Enrichment

Read project material.

Read for information about projects from other sources.

Read at least one book for pleasure that is related to a project.

Do one or more of the suggested "Activities" and as much as "Know Your Library" as possible. (See *4-H Reading Project*, 4-H 191).

Optional:

Make an educational exhibit as an individual or club.

400 Recreation

Plan and conduct recreational activities for family, club, and others. Members may do this alone or with help from others. They may work in one or more of these areas or in other areas of recreation.

Singing and music.

Folk and square dancing.

Sports.

Arts and crafts.

Hobbies.

Parties and picnics.

Social recreation.

Family fun.

Plays.

Stunts.

Outdoor cookery.



410

Safety

Study and practice safety living habits and develop greater safety awareness within family and community.

Member may work as an individual or as a club.

Work in one or more of these areas:

- Farm.
- Traffic.
- Home.
- Fire.
- Animals.
- Recreation.
- Chemicals.
- Related to other projects.
- Survey of Safety.

"Survey of Safety" is a two-level program which provides opportunity for participation and recognition of 4-H'ers of different age levels in the "Safety Starter" and "Safety Senior" programs. (See *Survey of Safety*, 4-H 129, for details).

421-423

Self Determined

Create a project by developing the *what, why, when, where, who* and *how* into an action plan designed by and for the member.

A self determined project may be:

- A new or different project.
- An expansion of a traditional project; an advanced unit.
- A self determined project is a process of problem solving.
- Request bulletin 4-H 394, *Select, Plan and Evaluate*, from your Extension agent.
- Examples of the self determined project titles are:
 - Agriculture and Related Areas.*
 - Bees Conservation.*
 - Taxidermy.*
 - Welding.*
 - Weed Control.*
 - Weather Forecasting.*
 - Range Management.*
 - Home Economics*
 - Cake Decorating.*

- Completing Your Family Tree.
- Early Childhood and Learning.
- Consumer Laws.
- Changing Food Patterns.
- Changing Lifestyles.
- Value Comparisons.
- Generations.
- Fashion Design.
- Mobile Home Living.

Other

- Radio and TV Advertising.
- Leisure in Today's Society.
- Working with Handicapped Children.
- Cross Cultural Exchanges.
- Automotive.
- Arrowheads.
- Lapidary.



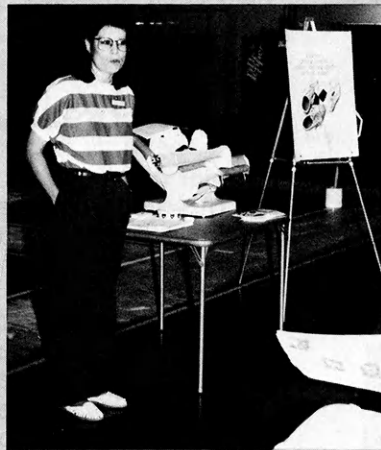
Community officials join in the ribbon cutting ceremony and assisted with programs throughout the two-week project.

Brown County Safety Town



◀ Teen leaders provided group leadership for Safety Town.

Child Safety Concerns were the topics for the parents' program of Safety Town. ▶



A ribbon-cutting ceremony was held for the Brown County Safety Town which is a two-week program teaching youngsters community safety rules using a "mini-town" setting. Parents participated in child safety workshops. Safety Town chairman for Brown County was Annette Wilson.



Natural Resources

Entomology

431

Introductory Phase

This is suggested for the 7- to 9-year-old or interested beginner of any age. 4-H'er should remain in this phase no more than two years. They will learn to catch, pin, label and identify at least six orders of insects. At least 15 insects, and no more than 30 can be displayed in two cigar boxes. Date/locality labels required on each specimen. This phase will **not** have a state fair class.

432

Beginning Phase

Suggested for 4-H'ers who have completed the Introductory Phase, or for members at least 10-years-old who have had some basic training in entomology in school.

Members are expected to advance to the next phase at their own speed and on the advice of their leader.

Suggested guidelines for advancement are three years in one phase, or exceptional progress at the local level, or state fair purple or blue ribbon exhibit.

Display a minimum of 50 and not more than 150 specimens in one standard box with glass cover. Specimens should represent at least 8 different orders and a date/locality label is required for each specimen. A special educational exhibit may be made as an option to the collection exhibit.

433

Intermediate Phase

For members who have advanced from the Beginning Phase by satisfying their leader with progress at the local level, or a state fair purple or blue ribbon exhibit, or a maximum of three years in the previous phase.

Display a minimum of 100 and not more than 300 specimens.

A short poem by Eric Ross

“The Busy Little Honeybees”

Oh Queen Bee, it's sheer delight
When you take you mating flight
All your workers have approved
Cause now they're taking care of your brood
When the scout arrives, they'll watch her dance
No, she's not looking for romance
Watch her wiggle, watch her turn
Her special language, they want to learn
Oh little bee, isn't it funny
You know just how to make us honey.

Two standard boxes can be used. Specimens must represent and identify at least 10 different orders. Only specimens of six common orders need be identified to family. Date/locality labels required. A special educational exhibit may be made as an option to the collection exhibit.

If you wish to go beyond these learning experiences, or if you want to specialize in bees, enroll in Advanced Entomology or Bees as a Self-determined project.

If you wish to go beyond these learning experiences, enroll in Advanced Forestry as a self-determined project.

Geology

Members may enroll in only one of Units 1 or 2 in any given year. Progress from the beginning to the advanced phases upon satisfying the project leader. If they enroll in Unit 1 or 2, secure a copy of the Geology manual, *Exploring the World Through Geology*.

Forestry

451

Junior 4-H Forester

This project emphasizes tree identification through tree leaf or leaf, twig and fruit collections. The member will learn to use a tree key and various references to assist in identification, and obtain a basic understanding of how a tree grows. Leaf or leaf, twig and fruit collections may be exhibited at the county fair.

461

Unit 1: Beginning Geology (Collecting Rocks, Minerals, and Fossils)

Learn how to properly take a field trip for the purpose of collecting rocks, minerals, and fossils.



Learn how to clean, identify, label, and display the specimens you collect.

Make a collection of the rocks, minerals, and fossils collected. Use project book (4-H 303) as a guide to the number of specimens to have in the collection depending upon the number of years enrolled in the beginning project.

462

Unit 2: Intermediate Geology (Classifying Rocks, Minerals, and Fossils)

Continue to add to the rock, mineral, and fossil collection.

Learn how to properly classify rocks, minerals, and fossils.

Make at least three of the tests for identifying rocks and minerals mentioned in the geology manual (hardness test for minerals, acid tests for calcium carbonates, streak tests for minerals, luster test, etc.)

Make at least two field trips each year to areas different than those visited in previous years.

Each year, select and carry out a special project (see project book, 4-H 304, for suggestions).

Collections should have at least 45 rocks, minerals, and fossils.

Exhibits of Indian artifacts or lapidary work (polishing stones) may be used as special project under this unit.

If you wish to go beyond these learning experiences, or if you want to specialize in lapidary, enroll in Advanced Geology as a self-determined project.

470

Shooting Sports

Learn a safe and effective way to shoot a pellet gun; 22 rifle, and shotgun. Enroll in this project ONLY if your county has a 4-H trained team of leaders.

Wildlife

481

The Birds Around You

"Birds Around You" was designed to help members learn to identify and manage the bird life we share. Emphasis of the project is on identification birds, identification and improvement of habitat for birds and studying birds' nesting and feeding habits. The project includes field trips, study hikes, and construction of bird houses and feeders.

482

Reptiles and Amphibians

Most young people have strong feelings about snakes, frogs, toads, and turtles. This project offers help in finding, identifying and studying these important creatures.

The project emphasizes learning to treat reptiles and amphibians in a positive and mature way.

483

Acres for Wildlife

Members practice management of land and the living things on it. Major steps of the project are: to contact a landowner or operator, seek his cooperation, locate an acre or more of wildlife cover which he is willing to set aside, ask him to enroll this land and manage this land for wildlife production. Members have the opportunity to help the landowner/operator with wildlife management practices, record these practices, and record the wildlife usage of the area.

484

Fur Harvest

The 4-H'er can identify and study the natural history of fur bearers, learn how to set the most humane and efficient traps, make efficient sets, catch and harvest fur bearers, skin and

prepare the furs for market, and tips on marketing or preserving furs. In agriculture, traps are often necessary to control wildlife damage to sheep, cattle and other livestock and poultry. This project offers training to help solve wildlife-caused problems. In the autumn of most years, two-to-three-day area fur harvest camps are conducted. These provide material related to this project.

485

Kansas Mammals

Learn about mammals and how to classify them into seven major groups. Key characteristics of each group showing tracks and suggested activities to learn about mammals are included. Additional suggestions about handling wild mammals, materials and equipment and assembling notes and data are included in the member's manual.

486

Endangered Species

This project is divided into two parts. One is devoted to a study of and a search for a black-footed ferret, the rarest and most endangered mammal in North America that might be still living in western Kansas from Highway 81 west. The other division of this project involves all endangered wildlife and a study of the total subject.

487

Let's Go Fishing

Like most activities, fishing requires a certain degree of knowledge and skill for success. This project helps beginning anglers learn the basic elements of how, when, where and with what to fish.

Goals include a study of life processes (food habits, predation, habitat requirements, etc.) Records are not required. In the late spring or summer some area 4-H fishing clinics are held.



Plant and Mechanical Sciences

Bicycle Safety and Care

491

Unit 1: Your Bicycle and You

Members will learn parts of the bicycle, how to make the bike fit them, and basic care and maintenance.

492

Unit 2: Maintaining Your Bicycle

Members will learn how to adjust parts such as brake, chain, bearing cones, tire care, and how to plan a hazard hunt.

If you wish to go beyond these learning experiences enroll in Advanced Bicycle as a self-determined project.

500

Crop Production and Management

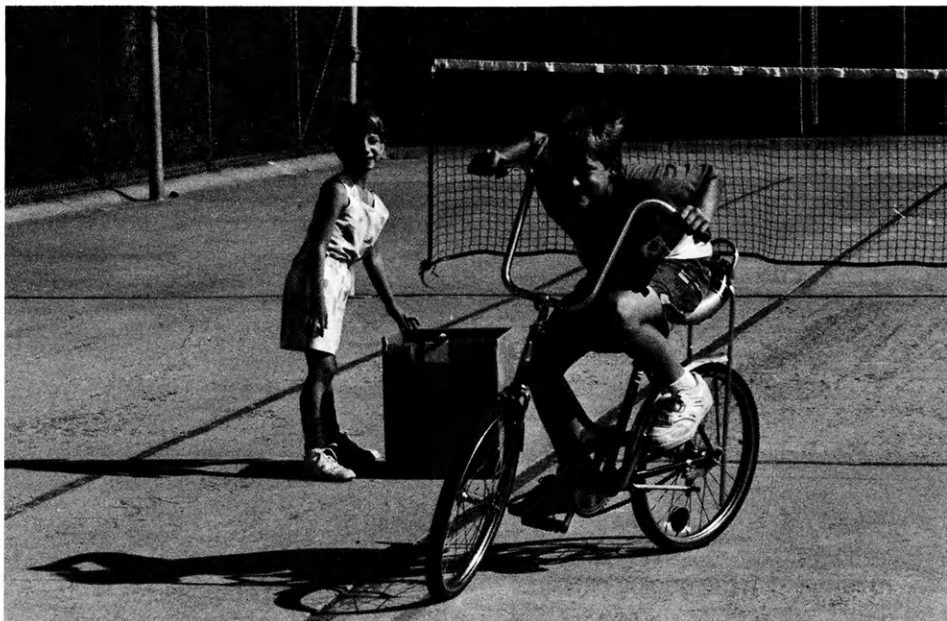
Complete the *basic phase* each year of planting and producing at least five acres of one of the common field crops grown in Kansas (wheat, corn, grain sorghum, corn and sorghum for silage or forage, soybeans, new seeding alfalfa, field beans, sugar beets, etc.)

Optional Exercises

Select and complete each year three optional learning exercises listed in the Crop Production and Management member's manual. You may repeat any one of the exercises for no more than three years and must have at least one new optional exercise each year.

Record data and learning experiences on the Crop Production record sheet and write a short report on what the project has taught you.

If you do not live on a farm, you may use land owned by someone who would make it available for this project.



4-H'ers learning bicycle safety during summer camp at Rock Springs 4-H Center near Junction City.

Wheat Variety Plot Program

This related activity provides "hands-on" experience through the production of five different wheat varieties in your personalized wheat plot, plus adding strength to your crop production project. You will observe and record varietal differences relative to: germination; seedling vigor; winter hardiness; drought, lodging and disease resistance; head type and length; yields; and grain quality. Certified seed, a personalized plot sign and five variety signs are provided. Ask your Extension agent for more details of this exciting program.

Crops Contest

This is a related activity that you may want to consider with this project. You will learn to analyze seeds of wheat, corn, grain sorghum, and soybeans for weed and other crop seeds. You will learn to identify and categorize 50 plant specimens from seed and/or the plant. Ask your county agent for information about this contest.

Land Judging and Homesite Evaluation

This is a related activity you may want to consider.

Get a copy of MF-224, *Instructions in Land Judging and Homesite Evaluation*.

510

Computer

Learn how to operate a computer, apply existing software to your interests or needs, program in BASIC language, and apply your computer knowledge to other 4-H projects.

Electricity

521

Unit 1: Exploring the World of Electricity

Unit designed to develop an understanding of the basic principles and theories of electricity — definition, basic terms, types of circuits, resistance and resistive heat, electric light and electric safety activities.



522

Unit 2: Electricity's Silent Partner — Magnetism

Unit deals with the relationship between electricity and magnetism and the way they work together to provide us many of the conveniences for our modern living.

523

Unit 3: Working with Electricity

This unit includes wires and cords, electric connections, basic equipment, home wiring, planning home wiring, grounding, maintaining home electrical equipment.

524

Unit 4: Electricity for Family Living

Topics include electricity in the home, lighting and lamps, heating appliances, operation of motors, refrigerators and air conditioners, electronic appliances and maintenance concepts.

525

Unit 5: Behind the Switch

A basic knowledge of electricity through the study of previous units in the 4-H electric program is necessary. The project deals with how electricity is produced, explains the generation, transmission and distribution of electrical energy and explores the fuels used to power generators.

526

Unit 6: Introduction to The World of Electronics

A basic knowledge of electricity through the study of prior units in the 4-H electric energy program is necessary. Topics include Electronic and Waves; Basic Electronic Devices — Resistors; Basic Electronic Devices — Coils; Resonant Circuits and Filters; Electronic Tubes; Electronic Circuits; Solid State Electronics; Electronics for Communication; Electronics for Business Components and Computers — The Thinking Machine.

Horticulture

The 4-H Horticulture project has four phases. Each phase is independent of the others. Members may work in one or more phases or in just one phase for any number of years.

531

Flowers and Houseplants

Grow annual and/or perennial flowers in the yard or garden. Grow and care for houseplants.

532

Landscape and Turf

Care for the existing lawn, renovate or establish a new lawn. Make a plan for the yards or grounds.

Plant the trees or shrubs called for in the plan. One or more years to complete this part of the plan may be needed.

533

Food from a Minigarden

If members lack space for a regular garden, they may grow plants for food in window boxes, baskets, tubs, or other containers.

534

Food from a Garden

Grow vegetables and/or small fruits for family use or for sale. Size of the garden varies with member's age and purpose.

540

Rocketry

Develop an awareness of the basic concepts of space science and aeronautics.

Explore areas of interest in the aerospace program.

Participate in experiences in aerospace science that will enhance the individual's responsible growth toward productive citizenship.

Learn to design, construct and fly rockets.

Give talks and demonstrations on rocketry.

Keep a record on rockets built, flown and displayed.

Learn and practice rocketry safety.

Small Engines

551

Unit 1: Operation and Maintenance

Learn the parts of a gasoline engine and their functions.

Perform service on one or more small engines.

Keep a record of the service performed on the engine.

Practice safe operation of implements, tools, and use of fuels.

Develop a system for checking a non-running or a poorly operating engine for causes of trouble.

Become competent in correcting engine troubles.

552

Unit 2: Power and Design

Continue the service jobs on small engines used around the home or farm. Keep a record of services performed on the engine. Practice safe operation of implements, tools and use of fuels.

Develop a system for checking a non-running or poorly operating engine for causes of trouble. Become competent in correcting engine troubles.

553

Unit 3: Lawn and Garden Power Equipment

This phase is mainly about the rotary lawn mower, the rotary tiller, and how power is transmitted.

Learn and practice safety rules for a mower and/or tiller.

Learn how to operate this equipment correctly.

Learn how power is transmitted from the engine to the working unit.

Learn to do minor maintenance jobs on the mower and/or tiller.

Tractor

Be responsible for the correct care and maintenance of one or more farm tractors.

Fill out the worksheets on each tractor.

If members do not drive a tractor or are just learning to drive, enroll in the first year.



**561
First Year — Get Acquainted
With Your Tractor**

Learning How to Be Safe
What Makes an Engine Run
Nuts, Bolts, Screws, and
Rivets
The Instrument Panel
Controls for Your Tractor
Daily Maintenance and Safety
Check
Starting and Stopping Your
Tractor
Clean Air for Your Engine
Periodic Lubrication and Main-
tenance

**562
Second Year — Assuming
Safe Efficient Operation**

Tractor Safety on the Farm
Oil for the Engine
Mixing Fuel and Air
Battery Service and Spark
Plugs
Cooling Systems for Engines
Care of Tires
General Lubrication
Tractor Records and Operat-
ing Costs

If you wish to go beyond these learning experiences, enroll in Advanced Tractor as a self-determined project.

**563
Hazardous Occupations**

This makes it possible for 14- and 15-year-olds to work on a farm driving a tractor for someone other than a parent. Federal regulations require 14- and 15-year-olds to have this training to permit them to drive a tractor for someone other than a parent.

Woodworking

**571
Unit 1: Working with Wood and Tools**

Those who are learning to use hand tools should enroll in this unit. 4-H'ers may carry Unit 1 for one or more years. Use hand tools only.

Learn about tools needed for this unit, measuring and marking, making a square cut, cutting curves, nailing, and finishes for the articles you make.

**Tireless 4-H'er Learns
Tractor Safety**

by Lee Jorgensen, Extension Communications,
Kansas State University

Taking off across a field with a cultivator minus a tire isn't exactly the way to impress others with your tractor prowess. Especially when dad's the Franklin County 4-H tractor safety operation leader, the project in which you want to make points.

"I didn't know dad had taken off the tire," explained Shane Adams, 15, son of Eugene and Ople Adams, Williamsburg. "I was lucky the cultivator was in a field and there was no damage."

"Safety has always been stressed on our farm, especially since my dad caught his hand in a wood splinter, which crushed his little finger," said Shane. He and fellow 4-H'er Gene Stinebaugh last year gave several team illustrated talks

on "Endless Cycles," showing machinery used to put in a crop, steps in putting in a corn crop and the changes that have occurred since his grandfather picked corn by hand. Each year Shane has exhibited farm safety posters in local business places. Further committed to the safety theme, Shane also is qualified for cardio-pulmonary resuscitation and Red Cross first aid. He also drives the tractor for 4-H and church floats in parades.

Last summer he won first place at the Franklin County Fair in the 4-H tractor driving contest which qualified him to enter the State Fair contest.

He was also named state 4-H tractor project winner in June.

The following are suggestions of things to make: napkin holder, sanding block, book ends and broom holder.

**572
Unit 2: The Wonderful World of Woods**

Because members will be learning to use power tools, for safety purposes they should be at least 10-years-old.

Learn how to identify, measure, and buy wood; use an electric drill, sander, saber saw, and jig saw to make woodworking items from suggested plans in the member's guide.

**573
Unit 3: Building Bigger Things**

Those who enroll in this unit should have some experience in woodworking. They may make articles or do repair or

maintenance jobs or a combination of both.

Learn about kinds of wood, particle and fiberboard, how to use and sharpen wood chisels, how to use planes and clamps and about joints in wood.

Among things that can be made are a sawhorse, book rack, household furniture and a gun rack. Suggestions for repair or maintenance jobs include replacing a windowpane, painting a porch floor, rehanging a door, refinishing a piece of furniture, painting a building, reroofing a building and repairing a squeaky floor.

If you wish to go beyond these learning experiences, enroll in Advanced Woodworking as a self-determined project.



“The Talking Honey Bees”

Franklin County 4-H'er, Eric Ross, recently won \$250 in the national 4-H essay contest sponsored by the American Beekeeping Federation, Inc. Ross was selected as the state winner, and his work forwarded on to national competition.

The topic for the 1988 essay contest was, “The Talking Honey Bees,” and each entry was judged on accuracy, creativity and conciseness and logical development of the argument. The contest was open to active 4-H members only.

Ross, who is 11 years old, has been helping his dad keep bees for several years. This is his first year in the bee science project, and he now has his own hives to maintain. His other hobbies are entomology and geology, and he also enjoys fishing, hunting, swimming, biking, camping and skating.

The following is a reprinted copy of the winning national beekeeping essay by Eric Ross.

by Eric Ross

Look! Up in the sky. It's a bird, it's a plane. No, it's a busy little honey-bee, in a hurry to get back to it's hive, to relay a message of great importance.

Honeybees are the only insects known to man, that not only provide food for themselves, but provides man with a natural sweetener. This sweet golden liquid being “honey.”

Buzz, buzz, buzz. The sounds we hear coming from the industrious honeybee while it's hard at work, are not the actual form of communication they use. The language of the honeybee is not an audible one.

Inside the hive it is dark. Honeybees communicate by the use of two systems. The first being a simple system. This system is based on the exchange of food among the members of a colony and odors released inside and outside of the hive.

Their sense of smell and taste are highly developed. Honeybees use their antennae to detect odors. They also detect vibrations and respond to them, presumably through organs on their feet.

The queen's glands secrete substance and odors that are removed from her body and shared by the workers of her colony. This substance is referred to as “pheromones.” Pheromone is a chemical substance secreted by one individual, which has an effect on another of the same species. It is now believed, that from twenty to one hundred or more chemical substances are produced by the queen and her workers, that control and maintain the social order within the colony.

The queen substance is a relatively simple chemical compound consisting of ten carbon atoms, sixteen hydrogen atoms and three oxygen atoms. She produces this substance in the mandibular glands and she distributes it all over her body. This secretion enables the workers to recognize her as their queen. As a general principle, only one queen rules a hive.

Other pheromones included in the scent-gland secretions help to orient swarms as they move through the air. When bees swarm from the colony or their home, a fruity odor is given off that attracts the bees and causes them to cluster.

Secondly, this substance is used to reduce development of the ovaries of the worker bees. Although, in the absence of the queen, certain workers' ovaries do develop and these workers become egg-laying workers.

The third function of this queen substance is the honeybee's sex attractant. For several days after a virgin queen emerges from a cell, she does not produce this queen substance. Because of this substance, outside the hive, virgin queens are easily detected by drones (male honeybees.)

Usually within five or six days after she emerges, the virgin queen takes a mating flight. It is during this flight (or in some cases, flights) that she mates with a drone (or drones).

Workers also secrete odors. It's chemical name is isopentyl acetate. It consists of seven carbon atoms, fourteen hydrogen atoms and two oxygen atoms. This substance somewhat smells like banana oil. This pheromone is known as the alarm odor. The substance is secreted from the vicinity of the stinger. In the process of protruding her stinger, the worker bee releases this alarm odor.

When this alarm odor is secreted, it alerts the bees as to danger in the vicinity of the hive. It attracts and excites the bees, preparing them to defend the colony. This odor causes the bees to attack and sting. Injured bees also secrete this odor.

The second system used by the honeybee is more complex. This elaborate system is detected in the movements or dancing of the bees on the honeycombs. These dances are performed by the stout bees after they have returned to the hive from foraging. These dances can convey sources of nectar, pollen, propolis or water; they can also indicate a new home site.

Basically, there are two types of dance, the round dance and the wag-tail dance. The round dance being the simplest, indicates a food source that



(cont. from page 13)

can be found within a hundred yards of the hive.

The wag-tail dance indicates the direction and distance of the food source. The rapidity with which the dance is done by a scout bee, indicates the distance. The more enthusiastic the bee dances, the closer the food source is to the hive. When food sources are at greater distances, the scouts dance more slowly. The direction the scout bee performs the wag-tail dance indicates the direction the recruit bees should go to find the source of food.

For example, if the scout bee wag-tail dances up the honeycombs, she is indicating to the recruits to go in the direction of the sun. If the same bee dances directly down the honeycombs, she is indicating for them to go in the opposite direction or away from the sun to find the food source.

The recruit bees, better known as field bees, do not deposit the food source themselves. It is given to the house bees, who then deposit it in the cells of the honeycombs.

Although hundreds of researches have been conducted and thousands of reports and articles have been written, no one really knows for sure, just how these honey producing little insects do communicate. But through actual research observations and studies, one can assume that the odors given off by the honeybees and the dancing, are somehow intermingled and related to their art of communication.

Man will continue to study honeybees. And maybe someday learn the secrets of these little insects. Man only knows what he sees, hears, and learns.

Hunting, Fishing,
Fur Harvesting School
to be continued.
Watch for more details
in the September issue
of the
Kansas 4-H Journal.

New Video Tapes Available

The Southwestern Bell Telephone Company has donated several video tapes to the Kansas 4-H audio/visual library. Watch for the Nov./Dec. issue of the *Kansas 4-H Journal* for a complete listing of the audio/visual catalog.

Following are brief descriptions of each video program:

Self-Help for Children

Recent years have seen a number of changes in our society, including dramatic increases in the number of two-career families and single-parent families. One result of these changes is that more and more children are finding themselves left alone and unsupervised, sometimes for hours each day. This program addresses the special educational needs of the "24-hour-a-day" child. It was designed by professional law enforcement officers and fire safety experts and educators. The program includes videotapes that address how to call for help, being street smart and fire and home safety. (Time: four 10-minute programs)

Choices and Crises - The Teenage Pressure Cooker

Problems within the family, at school, among peers and in romance often are more intense and consuming for teens than adults. Self-esteem can collapse if adolescents base their sense of self-worth solely on their accomplishments. Unfortunately, many teens lack firm ideas of their identity or value apart from what they have accomplished in the various segments of their lives. "Choice and Crises" is a play about the pressures of being a teenager and how to handle these pressures. The video and accompanying education kit encourages students to explore their feelings. (Time 29 minutes)

Kansas: The Land, The People, The Promise

To those on the outside looking in, Kansas is a scene of tumbleweeds blowing across the flat landscape, honky tonk music, desolation and run-down farmsteads. But that's a scene out of the history books. The video shows today's Kansas: its diversity of geography, lifestyles and livelihoods. In Kansas, new technology and traditional values come together to create an ideal climate for purposeful innovation and substantial growth. (Time 26 minutes. This tape will be available from Heritage Hall at the Rock Springs 4-H Center.)

Win a Registered POA

Deadline extended to August 23

For entry form and more information:

Paula Stringer
R.R. 2 Box 207
Cheny, KS 67025



Rock Springs Memorial Tree Walk

In Remembrance ...

When you want to commemorate a special individual who has touched your life, shared with you both the good and bad times, and who has left you with treasured memories, a memorial tree at Rock Springs 4-H Center is a continuing, dignified symbol of your caring thoughts and devotion. Planted to shade future generations, a memorial tree is a lasting tribute to the memory of that special individual.

In Recognition ...

you may also have a tree planted along the scenic tree walk to recognize and honor an individual, group of individuals or organizations for outstanding achievements and service. It is an honor which keeps on growing and giving for decades to come.

In Celebration ...

of the birth of a child, a graduation or an anniversary, a tree is an excellent memento of any special occasion. Once planted, the tree is a nostalgic and permanent reminder of your celebration which you and those involved can reminisce over for years.

Your tax deductible gift of \$250 will purchase, maintain, and identify the tree with a permanently secured bronze recognition plaque. In addition to the tree walk, there are also many other opportunities available to honor the memory of loved ones, recognize outstanding achievements or celebrate special occasions throughout the many avenues of the 4-H program.

Endowments, trusts and annual gifts can be used to perpetuate 4-H development and programs, or to directly benefit young people through educational scholarships, trips and awards, international programs, leader training, and promotion and publicity of 4-H'ers and the 4-H program.

The Kansas 4-H Foundation is a non-profit organization working to enhance and maintain the Kansas 4-H program. Contact us to match your interests with a memorial program to benefit Kansas youth and 4-H.



Kansas 4-H Foundation, Inc.
116 Umberger Hall, KSU
Manhattan, KS 66506
(913) 532-5881



Kansas Hosts National IFYE Conference

Topeka took on an international flavor during the 40th annual National Conference of the International 4-H Youth Exchange Association of U.S.A. The conference was July 13-17, and the theme for the 40th anniversary of the conference was "Proud Past, Promising Future."

It is most appropriate the conference returned to Kansas for this special celebration as Kansas leads the nation in international study projects. Approximately 300 representatives from 35 states and Canada and two dozen foreign countries were in attendance.

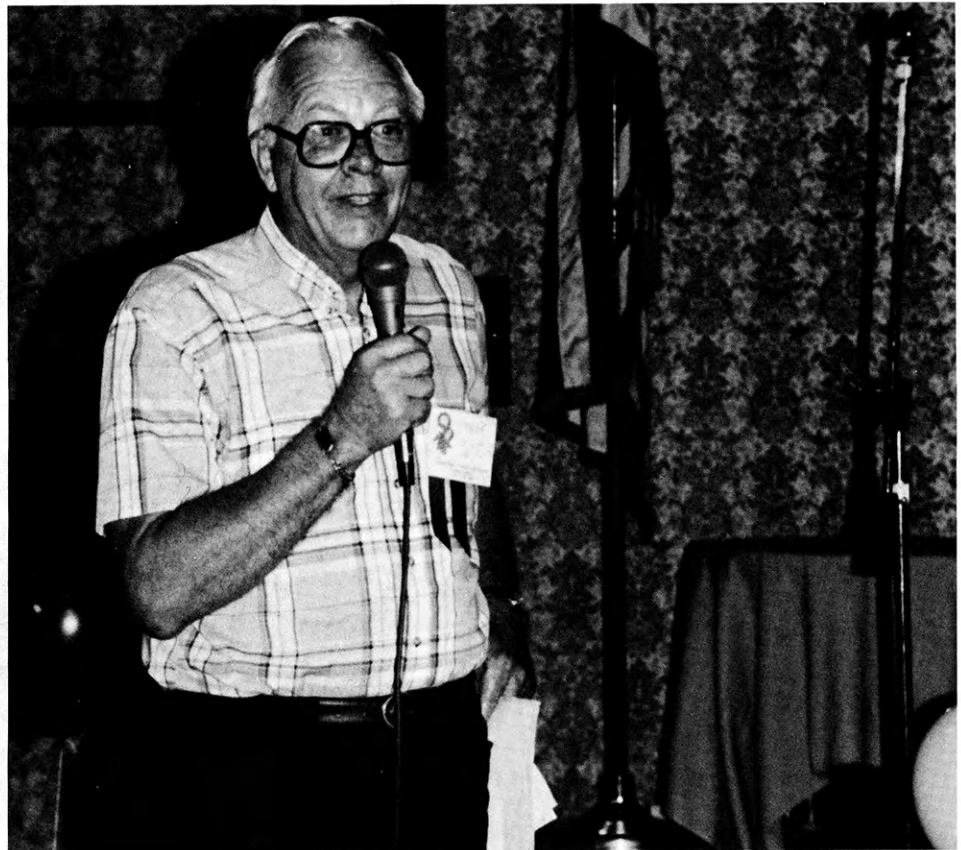
Highlights of the conference included a barbecue at Cedar Crest, keynote address by Dr. Russell Mawby, chairman of the W.K. Kellogg Foundation, and a panel discussion on international trade, and a 40th birthday party celebration.

Conference delegates also participated in workshops on 4-H international opportunities, fund-raising, international curriculum, ethnic breads, wheat weaving, endangered animals, and Chinese exercise.

An international banquet brought the conference to a close on Saturday evening. The 1989 international 4-H Youth Exchange Association of U.S.A. is in Iowa.

Top:
Armin Samuelson, chairman of the conference birthday party committee, welcomes guests and gets the festivities underway.

Bottom:
Jim, Jack and Dan Lindquist, Kansas 4-H alumni, perform "4-H Through the Decades," a medley of popular songs spanning from 1920 to 1980.





Photography Contest Open to Kansas 4-H'ers

The Kansas Newspaper Foundation, an affiliated group of the Kansas Press Association, is in search of a color photograph that best makes Kansans feel good about their state.

In return, the photographer will receive \$500 and the opportunity to have his or her work displayed on more than one million of the 1989 editions of the Southwestern Bell Telephone Company directory. In addition, 30 regional finalists will share in the \$2,000 in prize money being offered by the newspaper foundation as part of its 1989 Kansas Photography Contest.

The photography contest is supported through a grant from the

Southwestern Bell Foundation and is sanctioned by the Kansas Arts Commission. It is open to all amateur and professional photographers, who must be residents of Kansas.

Deadline for entries is 5 p.m., Friday, September 9.

Five judges, chosen by the Kansas Arts Commission, will each select the best six entries from the five Kansas Press Association regions — Northwest, Northeast, Central, Southwest and Southeast.

Each of those 30 regional winners will receive a \$50 cash prize and automatically will be considered in the statewide contest. Regional winners will be notified the week of September 19. The statewide winner will be an-

nounced November 5.

Photographers must submit a 35mm color mounted slide with their name, home town and title of photograph. Entries must be original and must have been executed solely by the photographer making the entry. The photographs must be scenes from within Kansas and should be horizontal in nature.

Contest entry forms may be obtained from any of the KPA's 250 member newspapers or by writing to: 1989 Kansas Photography Contest, c/o Southwestern Bell Telephone, 220 East 6th, Room 505, Topeka, KS 66603. Entry forms also may be obtained by calling toll-free 1-574-2329.

More money for post-high school education comes from family income and savings then from any other source. Be prepared; early in life start a savings account at your

Kansas Savings and Loan

Hutchinson

Valley Federal Savings & Loan Assn.

Leavenworth

Citizens Mutual Savings & Loan Assn.

Lyons

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913/532-6118



Keep on GRO-ing


by Kirk Astroth
State Extension 4-H Youth Specialist

Once again this coming fall, 4-H clubs and members will have an opportunity to renew their participation in — or get involved perhaps for the first time — in the GRO program. GRO, which stands for Groups Reaching Out, is a statewide 4-H club membership retention and expansion incentive program in which all clubs are encouraged to participate. If your club did not get involved in GRO last year, you can still participate this year as well as in the years to come.

GRO is designed to enhance and recognize the expansion of 4-H clubs across the state of Kansas. Through increased retention of current members, recruitment of new members, and the development of new clubs, Kansas 4-H can remain a thriving, vital part of each community.

GRO provides an excellent way for clubs to get involved in membership support and recognizes their efforts to keep their clubs strong and growing. "The GRO program is a concentrated effort over the next three years to recognize our club leaders and members for their expansion efforts," said Dr. C.R. Salmon, Assistant Director, Extension 4-H and Youth Programs. "Members, leaders, and clubs are our best salespeople and should be rewarded for their efforts," he continued. The GRO program should help do just that.

By getting involved in the GRO program, clubs have the opportunity to participate in a statewide program that involves the entire club and recognizes their efforts at several levels. For instance, clubs can set for themselves one of several goals: to retain at least 60% of their current members, to recruit 5 new members, or help to create and adopt a new club in their county. By setting and achieving one of these goals, clubs will receive a



**Continues ...
Get more involved
Find out how in the October issue
of the *Kansas 4-H Journal*.**

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unique wood plaque with engraved plates for each year that they accomplish their self-set goal.

In addition, individual club members can receive GRO t-shirts by recruiting at least 2 new club members during the coming year. Families can also receive a free bumper sticker when they recruit another family to 4-H. Other recognition items are available

and will be announced in the coming months.

Clubs, leaders or 4-H members who are interested in the GRO program are encouraged to contact their County Extension Office for more details and to look for more information in the Kansas 4-H Journal. Join the thousands of others who have already gotten involved in Groups Reaching Out.



Horse Show to Benefit Kansas 4-H

Sedgwick Co. 4-H'ers and the Kansas 4-H Foundation will again team up to participate in the Kansas National Hunter Jumper Benefit, Sept. 16-18 in Wichita. The event, previously known as the Kansas National Charity Horse Show, will benefit the Kansas 4-H program as all profit will be split between Sedgwick Co. 4-H'ers and the Kansas 4-H Foundation.

The show will include 106 classes over the three days and will feature a \$20,000 Grand Prix for Olympic level show jumper riders on Saturday at 7 p.m. 4-H members interested in showing do not have to be members of AHSA to enter. A special Hunter Hack class is offered to 4-H members, and there will be no entry fee charged for this class.

For more information about the Kansas National Hunter Jumper Benefit contact Sharon Williamson at (316) 733-0513. Contact the Kansas 4-H Foundation about establishing cooperative fund-raising efforts in your area.

Volunteers Needed

The state 4-H office and the Jeep Corporation are sponsoring a 4-H wildlife and fisheries exhibit at the 1988 Kansas State Fair. In the past, the exhibit has included wildlife computer games and wildlife footprints.

Emily Kling, state 4-H Extension 4-H specialist, would like volunteers to assist with the exhibit both weekends of the fair, Sept. 10-11 and 17-18. The time blocks available include: 8-11 a.m., 11 a.m.-2 p.m., 2-5 p.m., 5-8 p.m. At least one meal will be provided for those who volunteer.

For more information or to volunteer, contact Emily Kling by Aug. 26 at the State 4-H Office, 201 Umberger Hall, Manhattan, KS 66506 or call (913) 532-5800.

Kansas National Hunter/Jumper Benefit



**KANSAS COLISEUM
Wichita, Kansas**

**September
16-18
1988**

**Regular Member Show: AHSA
Recognized by OHJA and MHSA**

**W.L. Weller
Challenge Series Event**

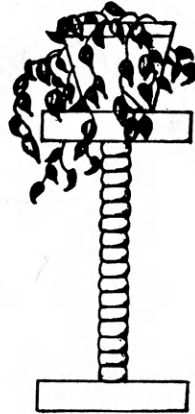
Postmark Deadline: August 24

**Contact: Sharon Williamson
(316) 733-0513**

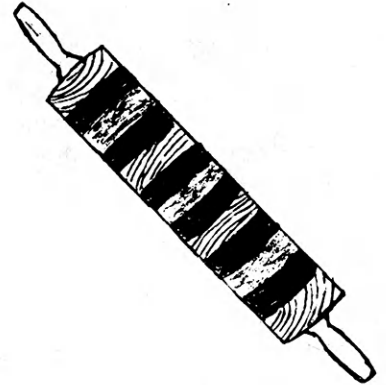
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4-H Woodworking Plans from YOUR PARTICIPATING LUMBER DEALER

These plans
are available:



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ROLLING PIN

For your free plans, see your participating lumber dealer; he will also help you select the material you need.

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CIMARRON
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CLAY CENTER
Fullington's

CONCORDIA
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EL DORADO
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ERIE
Johnson & Son Lumber Co.

EUREKA
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FREDONIA
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GALVA
Galva Lumber, Inc.

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HUTCHINSON
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Klein Lumber Company

JOHNSON
Seyb-Tucker Lumber and
Implement Company

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Kingman Lumber Co.

LaHARPE
Diebolt Lumber and Supply

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Lansing Lumber, Inc.

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NEWTON
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Lumber Co.

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Plant Stand
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Revere Coat Rack
Roll Top Desk
Rolling Pin
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Step Stool with Storage
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- **Fascinating Exhibits & Displays**

- **Exciting Royal American Midway**

- **Great Grandstand Stage Shows**

Randy Travis (9/9), The Oak Ridge Boys & Southern Pacific (9/10), Chicago (9/11), Reba McEntire (9/12), REO Speedwagon (9/13), Charley Pride & Asleep at the Wheel (9/15), The Statler Brothers & Patty Loveless (9/16), Red Skelton (9/17), and Memories of Rock & Roll with The Platters, Bo Diddley, Freddy Cannon, & The Shirelles (9/18).

- **4 Free Stages of Entertainment**

Featuring Ricky Van Shelton (9/12), Danny Davis & The Nashville Brass (9/13 & 14), and Steve Hall & Shot Gun Red (9/16 & 9/18)

- **Car Races** (9/10-13, 15-16)

- **State Fair Truck & Tractor Pull** (9/14)

- **County Fair & Open Class Car Demolition Derby** (9/17)

- **Combine Demolition Derby** (9/17)

- **Battle of the Monster Trucks** (9/18)

- **Sub & Stuff Pig Races**

- **Pepsi Petting Zoo**

- **International Lumberjack Show** (9/10-13)

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- **Kansas Arm Wrestling Championships** (9/11)

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- **American Tug-of-War Challenge** (9/11)

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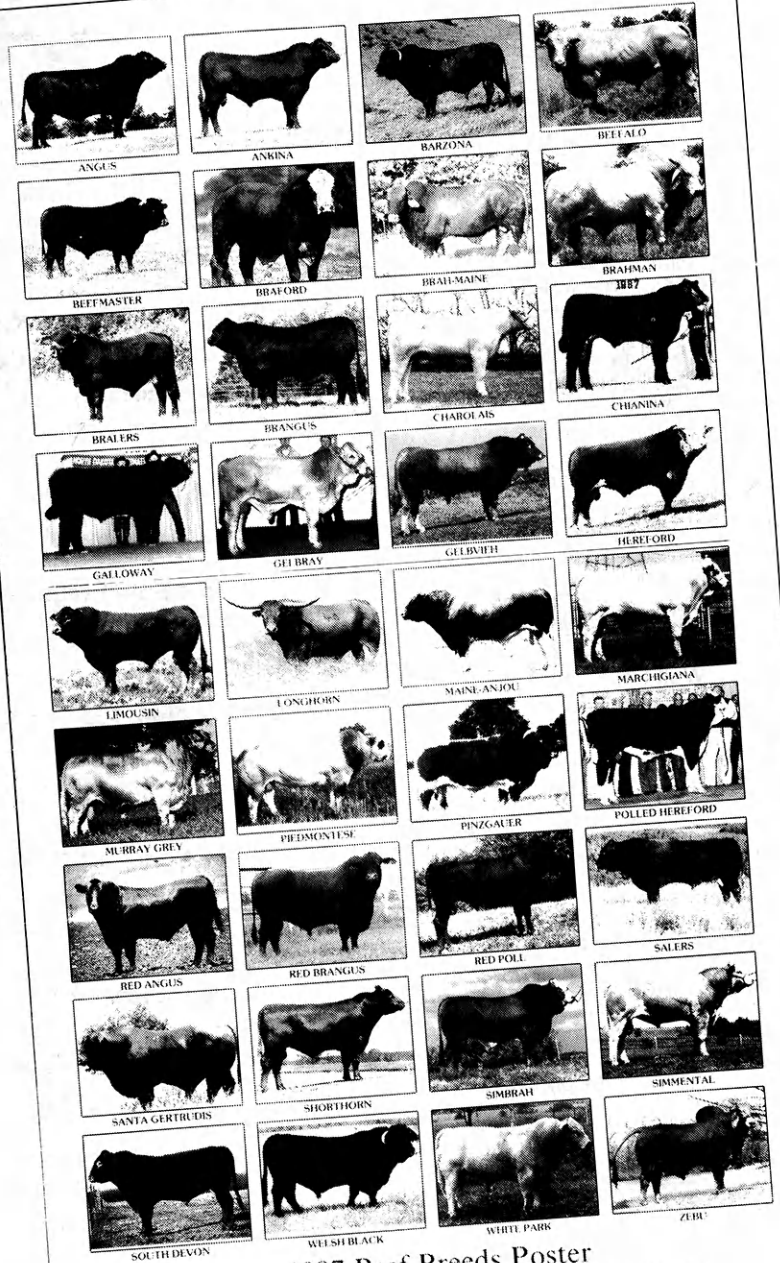
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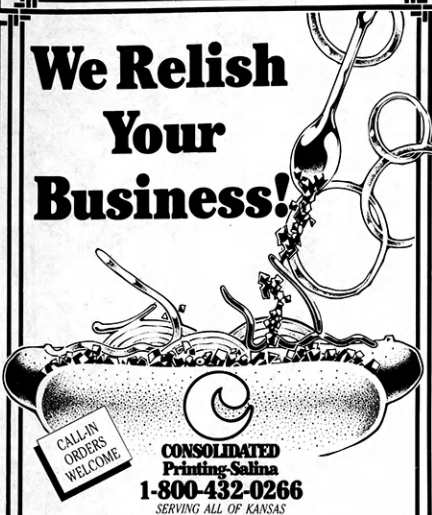
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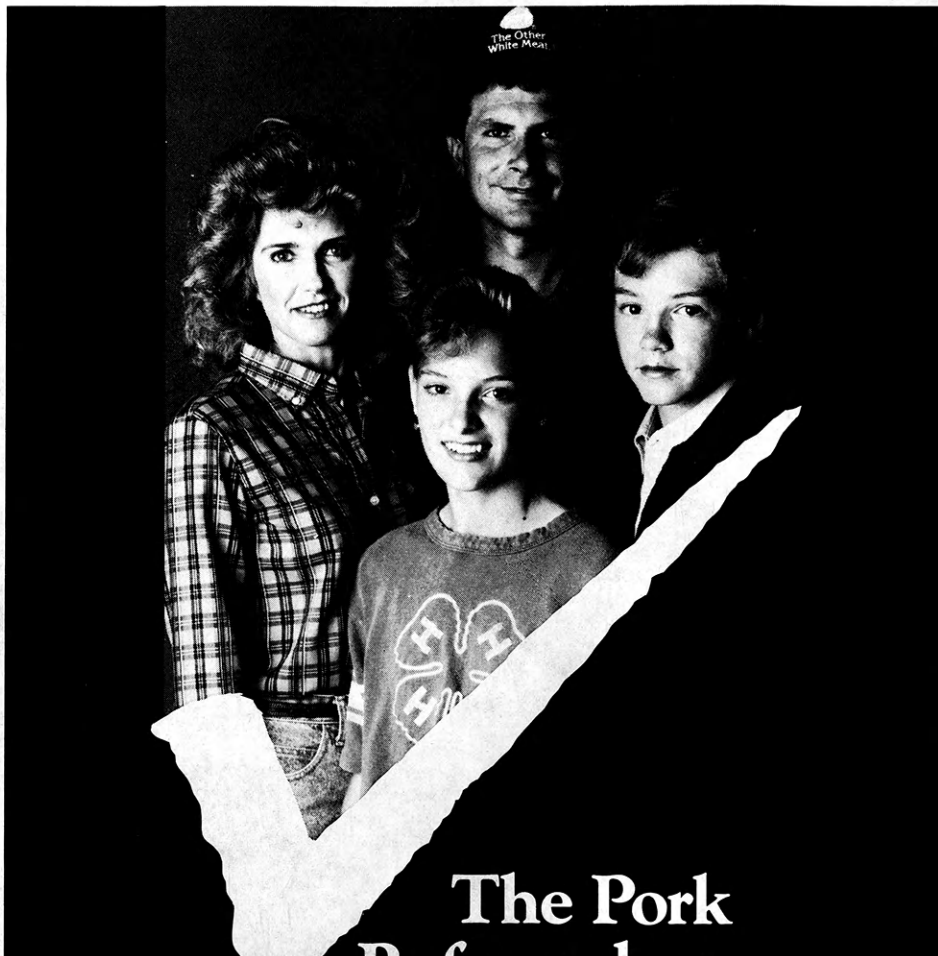
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