

Kansas 4-H Journal

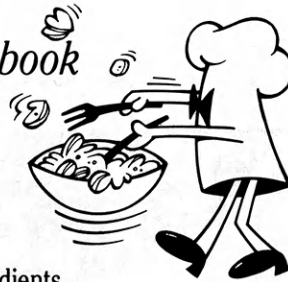
The Family Magazine

August 1987



**Whip out
your
Chef's Hat!**

*Plans are Heating Up
for
A Kansas 4-H Cookbook*



Help us round-up the ingredients
of a prize winning cookbook by submitting your
"blue-ribbon" recipes of yesterday and your prize winners of today.



Cooking in 4-H is fun, funny, exciting, frustrating and rewarding,
so please share your experiences
and include a 4-H anecdote or recipe history with your entry.



We hope you'll bring your recipes to the alumni headquarters tent at the Kansas State Fair,
but if you're unable to attend, send your prize winners to:
Kansas 4-H Foundation, Inc., 116 Umberger Hall, KSU, Manhattan, KS 66506.
Recipes must include: name, address, county, telephone and should be typed or clearly printed.



Help us add a little "spice" to our cookbook
by submitting recipes representing different categories of foods.



**GET COOKING ... don't wait any longer
to gather those prize winning recipes
to be considered for the
Kansas 4-H cookbook!**

Kansas 4-H Journal

VOLUME XXXIII, NO. 7
August 1987

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Linda Akin ... Secretary

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Use of the 4-H name and symbol approved by the Secretary of Agriculture of the United States, January 23, 1951, under the provisions of the laws as reenacted by Sec. 707 of the Act of June 25, 1948, Public Law No. 772 80th Congress (10 USC 797).

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EDITOR'S NOTE:

Riley County 4-H'ers model old 4-H uniforms on the cover Photo. These uniforms will be displayed at the Kansas State Fair. Models are: Julie Morrison, Brian Posler, Kendra Spaeth and Jenni Roth.

Horse Judges Qualify for National Trips at State Judging Contest

The state 4-H judging contest, July 17, provided 95 contestants the opportunity to compete for trips to national judging contests throughout the United States. The contest is a joint effort of the state 4-H office and the Department of Animal Sciences and Industry at Kansas State University. The award money which will allow the top team to travel to a national contest is made available through the efforts of the Kansas 4-H Foundation.

Johnson County, winner of the 1987 contest, will represent Kansas at the Quarter Horse Congress in Columbus, Ohio. Second place Stanton County will compete at the Western National 4-H Horse Classic in Denver. Two Kansas teams will attend the National Arabian Horse Judging Contest in Albuquerque - third place, Lyon County and fourth place Morris County. Fifth place Shawnee County has the opportunity to attend the Junior World Quarter Horse Show Judging Contest in Tulsa.

Senior Individual Division Awards

Halter Division

1. Bill Haney - Stanton

2. Lori Miser - Lyon
3. Hope Strampie - Johnson
4. Jayme Wall - Johnson
5. Chris Martin - Stanton
6. Lee Hart - Morris
7. Lori Carrithers - Stanton
8. Matt Teagarden - Linn
9. Todd Henrikson - Lyon
10. Don Rollins - Shawnee

Reasons Division

1. Lori Miser - Lyon
2. Jayme Wall - Johnson
3. Hope Strampie - Johnson
4. Matt Teagarden - Linn
5. Bill Haney - Stanton
6. Jennie Buchman - Morris
7. Lee Hart - Morris
8. Chris Martin - Stanton
9. Karin Erickson - Shawnee
10. Todd Henrikson - Lyon

Performance Division

1. Lori Miser - Lyon
2. Jayme Wall - Johnson
3. Hope Strampie - Johnson
4. Sarah Hamilton - Johnson
5. Matt Teagarden - Linn
6. Billy Randle - Dickinson
7. Samantha Selby - Sedgwick
8. Jennie Buchman - Morris
9. Todd Henrikson - Lyon
10. Craig Jannsen - Scott

Overall Division

1. Lori Miser - Lyon

2. Hope Strampie - Johnson
3. Jayme Wall - Johnson
4. Bill Haney - Stanton
5. Matt Teagarden - Linn
6. Todd Henrikson - Lyon
7. Jennie Buchman - Morris
8. Samantha Selby - Sedgwick
9. Lori Carrithers - Stanton
10. Don Rollins - Shawnee

Senior Team Division Awards

Halter Division

1. Stanton
2. Johnson
3. Morris
4. Lyon
5. Butler

Reasons Division

1. Johnson
2. Stanton
3. Morris
4. Lyon
5. Butler

Performance Division

1. Johnson
2. Lyon
3. Dickinson
4. Shawnee
5. Sedgwick

Overall Division

1. Johnson
2. Stanton
3. Lyon
4. Morris
5. Shawnee
6. Dickinson
7. Reno
8. Scott
9. Sedgwick
10. Butler

Junior Individual Division Awards

Overall Division

1. Joanna Wall - Johnson
2. Tyson Buchman - Morris
3. Sherry Fryman - Finney
4. Kevin Mayer - Lyon
5. Jory Worm - Stanton
6. Janet Gilland - Bourbon
7. Brent Rockley - Lyon
8. Megan Eck - Finney
9. Holli Thornton - Johnson
10. Micquie Pannell - Johnson

Junior Team Division Awards

1. Johnson
2. Lyon
3. Finney
4. Stanton
5. Bourbon
6. Labette
7. Shawnee
8. Sedgwick
9. Anderson
10. Atchison

FREE WORK EXPERIENCE

Help!
The State 4-H Office needs help in packaging and distributing 1987 4-H Awards medals for counties, from August 3 to August 28. We need any 4-H members, teen leaders, adult volunteers, parents, or grandparents. Refreshments furnished. Contact Jean Paquette at (913) 532-5800 if you are interested.

C.R. Salmon
State 4-H Leader

Pick a date to celebrate!



1913 • ANNIVERSARY • 1987

SEPTEMBER 11-20, 1987 HUTCHINSON

- Showcase of Kansas agriculture
- Fascinating exhibits & displays
- Exciting Royal American Midway
- Great grandstand entertainment
- Four free stages of entertainment
- Pepsi petting zoo
- Sub & Stuff pig races
- Kansas arm wrestling championships and tug-of-war challenge

A great Kansas get-together to remember

Three Kansas Clubs Win Cash Award

Three Kansas 4-H clubs received \$100 cash grants for outstanding community projects in Colgate's 14th annual Youth for America campaign involving youth clubs and troops across the nation.

The Eudora 4-H club, Douglas County, the Victory 4-H club, Pottawatomie County, and the three Gray County entries by Charleston Astronauts, Cimarron Rustlers and Skyhigh Club each received a cash grant from Colgate.

Awards ranging up to \$2,000 were presented for projects ranging from unique anti-drug/alcohol programs to such innovative projects as creating a town library and child-care programs for single parents. Three of the top six award-winning projects focus

on anti-drug themes, reflecting this year's record number of programs devoted to preventing drug abuse.

Youth for America, established by Colgate-Palmolive Company in 1972 to encourage America's young people to develop a spirit of community service, is the only national program that annually unites six of the nation's leading youth organizations including: 4-H, Boy Scouts, Girl Scouts, Boys Clubs, Girls Clubs, and Camp Fire.

The judges for this year's program were: Phylicia Rashad, Bill Cosby's wife in his hit TV series; Sally Struthers, known for her role as Gloria in "All in the Family"; and "Dear Abby" columnist Abigail Van Buren. The more than 2,000 entries were

based on community need, originality and effectiveness.

"For each year's members of these fine youth organizations, this program is developing a sense of social awareness and community responsibility. It encourages them to use their time and imagination constructively and to realize that they can make their own lives better by their accomplishments for their communities," said Courtney Shepard, vice president and general manager of Colgate-Palmolive U.S.

The 1987-88 Youth for America campaign will begin this fall. For entry details, send a self-addressed envelope to: Youth for America, P.O. Box 1058, FDR Station, New York, NY 10150-1058.

Volunteers Needed

The Kansas 4-H Foundation is seeking interested volunteers to help with registration of 4-H alumni at the Alumni Jubilee throughout the 75th anniversary of the Kansas State Fair, Sept. 12-20. Anyone interested in assisting with the event should call the Kansas 4-H Foundation Office at (913) 532-5881 or write them at, 116 Umberger Hall, Manhattan, KS 66506.

The State 4-H Office also needs assistance in several areas including: clerking for judges, displaying exhibits, and helping with judging contests and show. If interested contact your County Extension Office, or call the State 4-H Office at (913) 532-5800.

Southwest Kansas Swine Classic

August 29, 1987

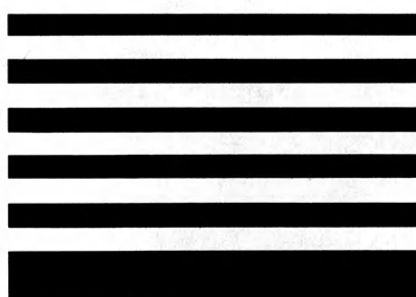
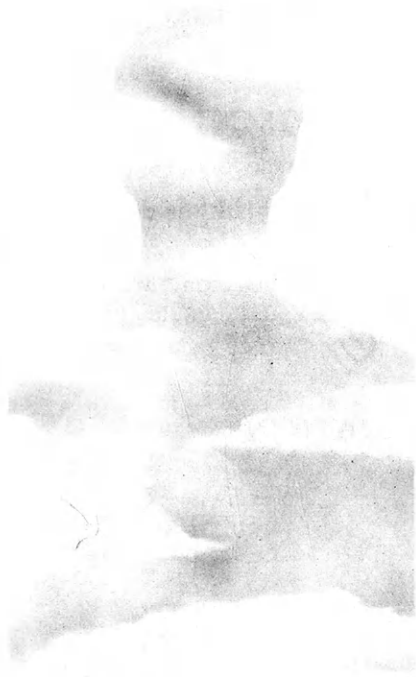
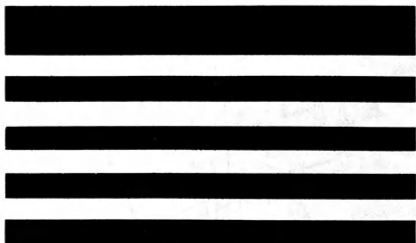
Finney County Fairgrounds

ENTRY FEE: \$7.50 ... 100% of the entry fee will be paid back in the class. We plan to have a minimum of \$500 added money to pay towards Grand Champion and Reserve Grand Champion.

Weigh-in will start *promptly* at 8:00 a.m. and end at 10:00 a.m. The show will begin at 1:00 p.m. It will be hot at this time of day, so bring water bottles or sprayers to keep your pigs cool.

Pre-entry fee due by August 15, 1987 in the Stanton County Extension Office. Entry fee is \$7.50. You may enter late and pay an additional \$7.50 as a late fee. Entry fee is non-refundable. Make checks payable to Southwest Kansas Swine Classic.

**Contact the Lane County Extension Office
for more information.**



Opening Minds

Oct. 29 - Nov. 1, 1987

Kansas State University

It's that time of year when everyone is thinking of Fairs — and it's also the perfect time to be planning ahead for the North Central Regional Leaders Forum to be held in Manhattan, October 29-November 1. If you feel overloaded and you don't have enough hours in a day now, the Forum could be the answer for you. You can learn ways to recruit new volunteers and learn how to "share the load" as volunteers from Lyon County have done at past Forums. Dianne DeGood from Sedgwick County learned orientation and training techniques for new 4-H families and has made county presentations on this. Better informed families will make your job easier. 4-H is a family affair and mini sessions will be offered — from recruiting new 4-H families to choosing projects through effective project fairs to self esteem of youth to motivating yourself and others.

The Forum is not just for volunteers - it's also for the County Staff. Kay Hunter, County Extension 4-H Agent from Leavenworth County reports the NCRLF was a good beginning to her "working with volunteers" education. She also realized the importance of involving volunteers as much as possible in County and State 4-H programs to strengthen these programs and further develop the volunteers' leadership and organizational skills.

Yes, you realize the NCRLF is a great idea but how can you afford the cost? County or clubs can have a fund raising project and offer scholarships. How about a pie throwing booth at your county fair? Remember all those food products left at home that aren't quite good enough for the judges? Have your members bring their 'extras' and have a food sale. Fund raising ideas are limitless. (Yes, at the Forum you'll be able to share your ideas and hear new fund raising ideas.) If you can't attend the Forum, volunteer to help the leaders who do go. Offer to feed their family one evening, be the 'taxi driver' for their children, help on Trick or Treat duty.

Ideally we'd love to have at least one leader from every club attend. Realistically we hope at least 1-2 leaders from each county can attend. Check with surrounding counties to carpool and to share rooms with.

State registration deadline is September 1. Check with your county office for the forms. We'd love to have the 'problem' of finding more and larger classrooms to accommodate everyone.

Dorothy and the rest of the Oz characters will be waiting to see you in Manhattan for the 1987 Forum — Opening Minds.

Contact your County Extension office for more information.

Karen Streeter
Chairman - Promotion Committee

Senator Nancy Kassabaum will address the North Central Leaders Forum delegation on Sat. evening, Oct. 31 during the recognition banquet. The NCRLF is scheduled for Oct. 29 - Nov. 1 at Kansas State University.



REGISTERED 4-H CLOVER COUNTDOWN ALUMNI

Plan now to join with Kansas 4-H'ers, past and present, in festivities saluting the 75th anniversary of our state fair. Special events will be sponsored by the Kansas 4-H Foundation and the State 4-H Office. Mark the dates on your calendar for both the Reunion of Champions and the 4-H Alumni Jubilee.

Do remember to participate once again and bring those "blue ribbon" winning recipes of yesterday *and* your prize winners of today. Please type or *clearly* print all recipes. Include your name, address, county and telephone along with recipe history or 4-H anecdote.

SEE YOU AT THE 75TH KANSAS STATE FAIR AND THE 4-H ALUMNI COUNTDOWN CELEBRATION!

Friday
September 11
6 p.m.

ON-GOING ACTIVITIES

Sunday
September 20
Noon

Alumni Headquarters Tent 9:30 - 5 daily

- registration • alumni locator map • A Step Ahead • prize winning recipes •
- hospitality area • 4-H souvenirs • Rock Springs 4-H Center information • 4-H memorabilia • exhibits •

SATURDAY — SEPTEMBER 12, 1987

- 9:30 a.m.-6:00 p.m. REGISTRATION
HOSPITALITY
Alumni Headquarters Tent
- 9:00 a.m.-9:00 p.m. 4-H MEMORABILIA
EXHIBITS
4-H Exhibit Hall and
Showcase
- 1:30 p.m.-3:00 p.m. REUNION OF CHAMPIONS
Alumni Headquarters Tent
- 3:00 p.m.-4:30 p.m. AG CELEBRATION
Parade of Champions and
Entertainment
4-H Livestock Arena

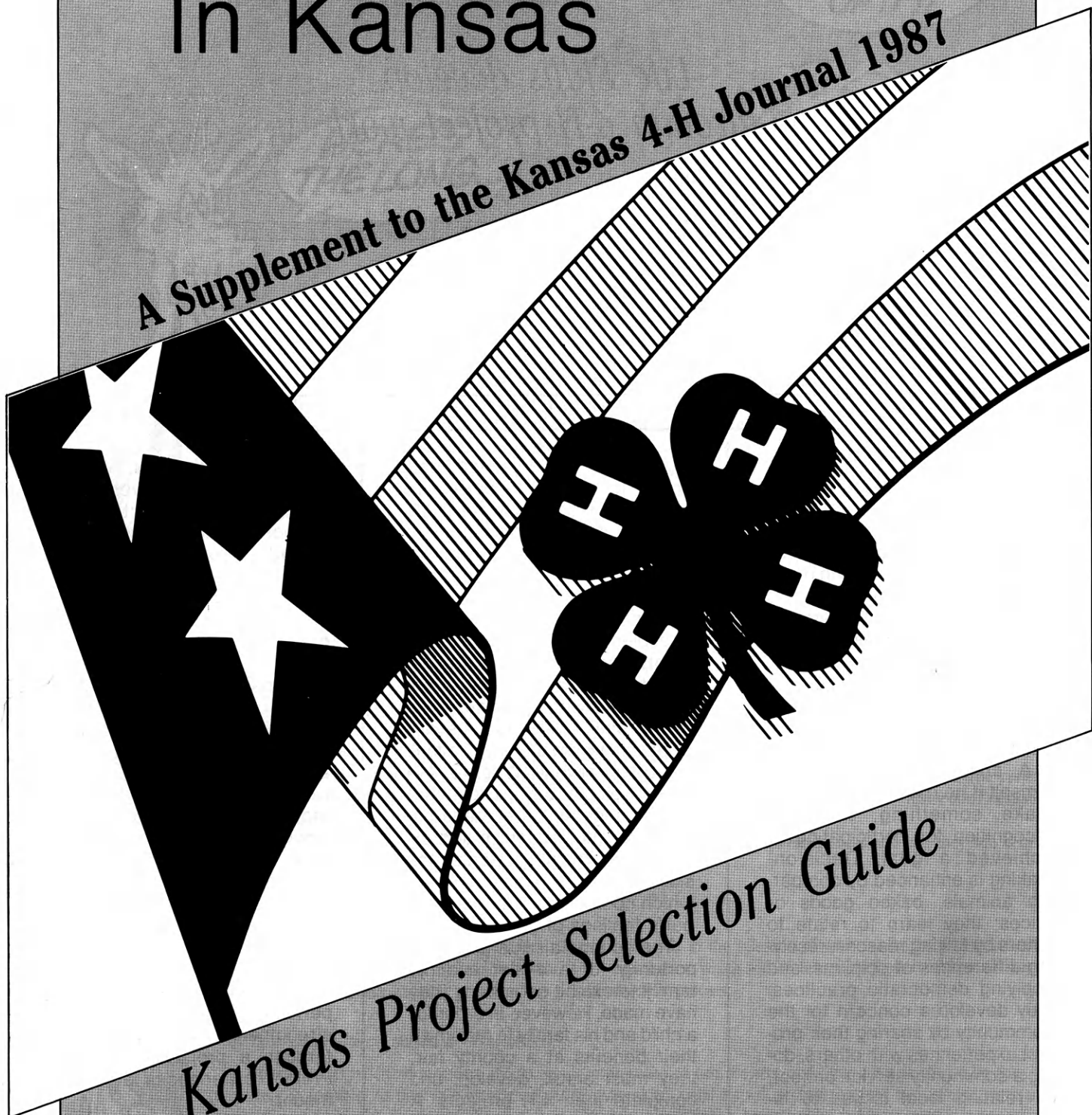
SATURDAY — SEPTEMBER 19, 1987

- 9:30 a.m.-6:00 p.m. REGISTRATION
HOSPITALITY
Alumni Headquarters Tent
- 9:00 a.m.-9:00 p.m. 4-H MEMORABILIA
EXHIBITS
4-H Exhibit Hall and
Showcase
- 4-H ALUMNI JUBILEE**
Encampment Building
- 2:00 p.m.-2:30 p.m. Entertainment
- 2:30 p.m.-3:15 p.m. Alumni Salute • 1945-1966 Era
Greeted by: J. Harold Johnson
Roger Regnier
- 3:15 p.m.-3:30 p.m. 4-H Highlights
- 3:30 p.m.-4:15 p.m. Alumni Salute • 1967-1987 Era
Greeted by: Glenn Busset
C.R. Salmon

Register now to be included in future 4-H alumni activities. To participate you must complete a Clover Countdown form indicating name, address and 4-H involvement. Contact your county Extension office now for further information.

4-H In Kansas

A Supplement to the Kansas 4-H Journal 1987



Kansas Project Selection Guide

Join Today!

*Life Skills develop
through 4-H project work*

If a child and his/her family is to gain maximum benefits from their 4-H experience, they must actively participate in a 4-H project. The 4-H project experience is paramount to the growth of the child and the strengthening of the family. If we are to develop the life skills ... positive self-esteem, decision-making skills, relating to others, developing a concern for the community, and developing an inquiring mind ... the project must be included.

A child feels good about himself if he has learned how to make something, received recognition for participating or achieved a goal. Decision-making is enhanced by comparing animals, baked goods or prices; they learn to relate to others by talking reasons, resolving differences of opinions, and applying democratic practices; they develop a concern for the community by sharing their project experiences with others, doing a community service project, or relating local issues to individual projects; and they develop an inquiring mind by us-

ing project guides and participating in project meetings or county fairs and shows.

The family that works together and plays together stays together. 4-H projects provide families a way to develop common interests, learn a new skill or subject, overcome disappointments and share achievements together. Families who plan, share, and work together on a 4-H project can and usually develop a sense of unity ... a feeling of teamwork. When a 4-H family selects and completes a project together, they have opportunities to recognize and expand the strengths, talents, and skills of each family member which contributes to each member's feelings of self-worth.

The county fair is a great opportunity for a 4-H'er and his family to exhibit something they have made. However, in order for a child and his family to maximize their benefits at a county fair, they must enroll, develop, and complete their 4-H projects. A 4-H family can participate and observe a county fair without a

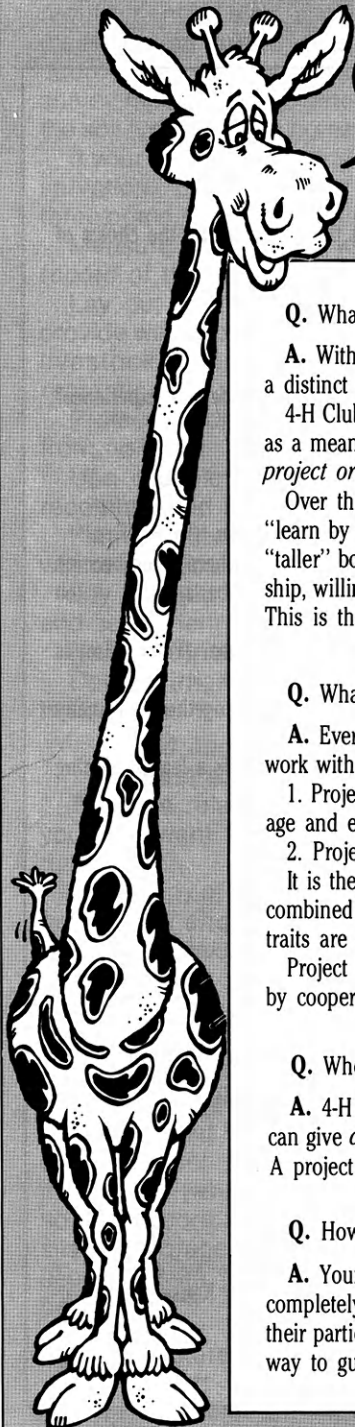
completed 4-H project; however, the enthusiasm, involvement, and growth is restricted when projects are not displayed or exhibited. The county fair is a well-established procedure for recognizing boys and girls who complete their 4-H projects. The 4-H project is paramount to the county fair experience.

Record-keeping skills continue to be one of the major items which former 4-H members say they learned in 4-H. Can you imagine learning record-keeping without a project? Not to have a project or not to complete a project with a well-organized record is not receiving one of the major benefits of 4-H membership.

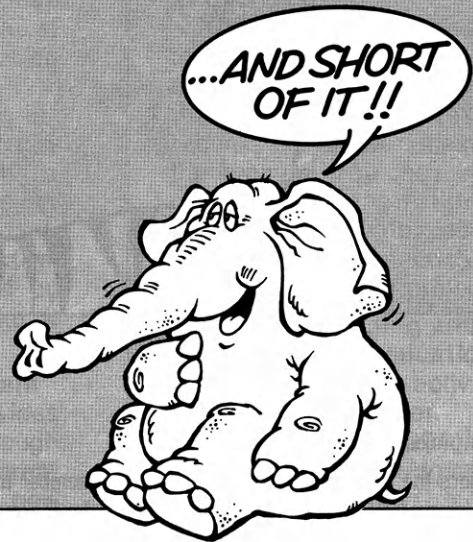
Project experiences ... project meetings, judging contests, county fairs, enrollment fairs are just a few of the ways that 4-H strengthens the project experience. The major way to strengthen the 4-H experience is through a project experience. Project experiences are paramount.

*Extension 4-H Youth Programs
C.R. Salmon
Assistant Director*

4-H Project Selection Question and Answers



HERE'S
THE LONG...



...AND SHORT
OF IT!!

Q. What is the purpose of projects in the club program?

A. Within the past 50 years, we have experienced a most significant change in 4-H Club work. This change has been a distinct shift of emphasis from subject matter program to the individual member program.

4-H Club work started with only *one primary objective*: To improve agriculture and homemaking. The program originated as a means of reaching the parents to achieve the above objective. *This was the starting of club work based largely on project orientation as the end product.*

Over the years we have recognized that 4-H was more than a means of improving agriculture and homemaking. The "learn by doing" process largely through project work, was doing more than growing taller or better corn. It was growing "taller" boys and girls — not taller in the physical sense, but boys and girls that stand higher in terms of leadership, citizenship, willingness to work, cooperative attitude, and other personality traits which contribute to developing better young people. This is the basis of our 4-H program today.

Q. What function does project work serve?

A. Every boy or girl who joins a 4-H Club agrees to work on a project of his or her choice. Members begin their 4-H work with projects and continue working on projects throughout their 4-H careers. *4-H projects serve two main functions:*

1. Projects provide the opportunity for boys and girls to learn needed physical, mental, and social skills suitable to their age and experience.
2. Projects give each boy or girl meaningful experience in how to handle new situations.

It is the project that gives life and meaning to the 4-H member's experience, regardless of the field chosen. The project, combined with other 4-H activities, is the means by which personality, character, skill, citizenship, and many other desirable traits are developed.

Project work is primarily an individual undertaking. As members mature in club experiences and age, they will benefit by cooperating in group projects of mutual interest.

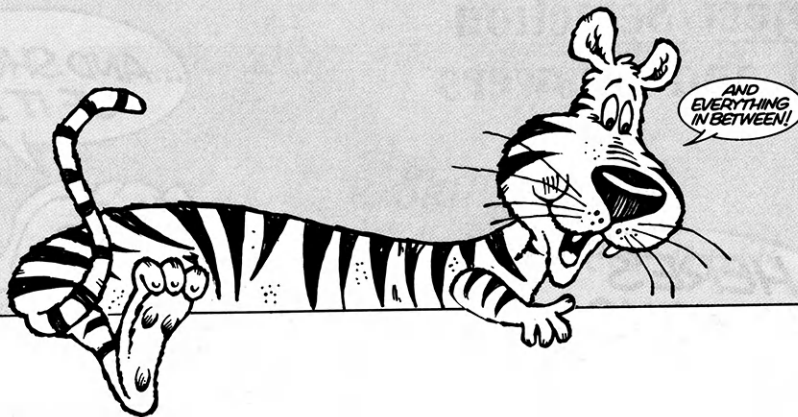
Q. Who should be involved in project selection?

A. 4-H members, parents and project leaders should be involved in the selection of projects. Proper project selection can give *depth and enrichment* to the club member's 4-H experiences, which will, in turn, hold them in club work longer. A project enrollment fair certainly enhances the project selection process.

Q. How many projects should a 4-H'er select?

A. Young or inexperienced members should enroll in only one or two projects, and these projects should be done as completely as possible. As they gain experience and become older, members will probably expand their project work and their participation in related activities. This pattern of adding work as members become older and more capable is a desirable way to guide members toward the gradual assumption of adult responsibilities.

*Information from: Extension Agents Guide, 4-H Leadership Development by: Charles Bates



Q. Is project ownership desirable?

A. Since the 4-H project is a major basis for member interest and is the member's "gateway" to the rest of the 4-H program, the choice of project (or projects) should be carefully decided by the member, with help from his parents and leaders.
Project ownership is desirable: To provide maximum project interest; To give ownership experience; To develop responsibility.

Q. What are the important points to be considered when selecting a 4-H project?

A. Consider cost (is the project practical)? Are feed and equipment available? Will it be a challenging project? Will it provide new experience? Is time available to complete the project? Will it provide wholesome pleasure?

Q. Who should be considered when selecting a 4-H project?

A. When you help a member select his project, you should consider *him*, his *family*, his *club*, and the *county program*.
The member: What are his interests? What are his abilities? What new abilities can he develop by taking a project? (This is where it can become challenging to a member.) Does he have the proper materials to work with? How old is he? (Is the project within the member's ability — too difficult — too simple?)
The family: Will this project fill a family need? If the member lives on a farm, will the project fit into the farm enterprise? (Town, also) Is the family interested in the project?
The club: What are other members of the club doing? Will other members be carrying the project? Members like to work together. Not many are lone-stars. What leadership is available? Will there be a leader in the club to assist?
The County: How many projects does the county recommend that members take? Is the project available in your county? Is a leader training program in the project being offered in the county?

Q. Who plans and implements the Kansas 4-H and Youth Program on a statewide basis?

A.

**4-H and Over Youth Programs
Manhattan, KS 66506**

C.R. Salmon, Jr.	Assistant Director, 4-H — Youth Programs	
J. Dale Apel	Extension Specialist, 4-H — Youth Programs	
Steven D. Fisher	Extension Specialist, 4-H — Youth Programs	Umberger Hall
A. Lois Redman	Extension Specialist, 4-H — Youth Programs	Room 201
Charles L. Lang	Extension Specialist, 4-H — Youth Volunteer Staff Dvl.	(913) 532-5800
Charles T. Bates	Extension Specialist, 4-H — Youth Statewide Events & Pgm.	
Marcia R. McFarland	Extension Specialist, 4-H — Youth Club/Group Meeting Pgm.	
Emily B. Kling	Extension Specialist, 4-H — Youth Environmental Programs	

Q. Who can help us join the 4-H program in our area?

A. Your local County Extension agents located in your County Extension office. Contact them today and join 92,000 other Kansas youth participating in Kansas' largest out of school organization.

Agronomy

101

Soil and Water Conservation

If you choose soil conservation for your major project, plan and complete three or more recommended soil conservation practices adapted to the farm such as:

Test soil for lime and fertilizer requirements. Learn about land classification and use. If your county has a published soil survey report, use it to determine the soil types on your home farm.

If your emphasis is water conservation, plan and carry out three or more practices, such as:

Measure rainfall and keep a record of the amounts.

Lay out and build a pond to provide water for household use, livestock, irrigation, or recreation.

Protect ponds from silting and from pollution.

Use stubble mulch if it is recommended for the area.

Plant and till crops on contour where practical.

Lay out and build waterways and seed them to grass.

Build and maintain terraces.

Develop irrigation where water is available.

Land Judging and Homesite Evaluation

This is a related activity that you may want to consider with this project.

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

102

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.

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.

103

Exploring the World of Kansas Soils

This is a basic, introductory project dealing with soils. It is designed as a one or two year project for younger members or those older members who desire to learn some basic principles about soils.

You will learn what soil is and how it is made.

Learn how to determine soil texture and soil water.

Learn about life in soil and how to use soil surveys.

Learn about soil testing and land judging.

You will choose at least five of the ten lessons outlined in the manual to complete. You may want to do all of them. Keep records and answer questions in the manual. You may want to give a demonstration and prepare an exhibit for your county fair. You do not need to live on a farm to take this project.

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*.

104

Weed Identification and Control

The Weed Identification and Control program supplements other projects. Any 4-H'er may participate in it, but those enrolled in Field Crops, Forestry, and Horticulture, are especially urged to include the program as a part of their project work.

Make a standard size (13" x 18") wooden plant press.

Collect, identify, press, mount, and label 15 or more weeds from the approved list.

Prepare a list of weeds, mounted, showing common name, scientific name, and other requested information.

Crops Contest

You may want to consider this activity to analyze seeds of wheat, corn, grain sorghum and soybeans for weed and other crop seeds. Learn to identify and categorize 50 plant specimens from seed and/or the plant. Ask your county agent for information concerning this contest.

Arts

Learning experiences:
Creative self-expression.
Principles of design.

Skills of using various media.

121

Crafts

Explore and observe the beauties in nature. The basis for

Arts - Citizenship

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.

122 - 128

Skill Arts

Example of skill art areas:

Sketching, drawing, and painting.

Carving.

Ceramics.

Leather.

Fabrics and fibers.

Stitchery.

Spinning and dyeing.

129

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 background 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.

Beef

131

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.

132

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.

133

Commercial Cattle Feeding

Own three or more grade, crossbred, or purebred calves of any beef breed.

Follow either a deferred feeding program or some variation of it, a feedlot program or stocker-feeder program.

134

Bucket Calf

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

Bicycle Safety and Care

141

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.

142

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.

143

Unit 3: Enlarging Your Cycling World

Members will learn how to paint and customize their bike. They will also learn about advanced maintenance and how to plan bike trips for a group.

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 9 different units in 6 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)

151

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 and being able to relate to others."

152

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)

153

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."

**154
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)**

**155
Unit 6: 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)**

**156
Unit 5: My Heritage**

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

**157
Unit 7: My World**

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

**Phase Five — Others
(In depth Study)**

**158
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.

**Phase Six — Youth PRIDE
159
Unit 9: Youth PRIDE**

Members may enroll as a group, promoting projects to help improve their community, and work with the Kansas PRIDE program which is coordinated through the local extension office.

Community service and betterment projects would be typical activities for this program.

Clothing

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

**161
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.

**162
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.

**163
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.

**164
Special Clothes**

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

**165
Complete Costume**

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

Construct one or more coordinated outfits.

**166
Clothing Carousel**

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

**167
Clothes Strategy**

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

**170
Commodity
Marketing**

Develop a better understanding of the principles and practices involved in the marketing of any product. This might include potatoes as a garden project, wool in the sheep or clothing project, timber in forestry or wood science or the typical livestock and grain projects.

**180
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.

**190
Crochet**

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.

Dairy

**201
Calf or Heifer**

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

Dairy - Electricity

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.

202

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.

203

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.

210

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.

221

Unit 1: Dog Showmanship

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

222

Unit 2: Dog Obedience

Learn how to train your dog for obedience.

223

Unit 3: Breeding and Management

Raise dogs for sale.

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

Ecology

231

Understanding the World Around Us

Members will explore the relationship with the living and nonliving beings in the environment. They will read about the secrets which keep the earth alive and well. They have the opportunity to go into the field and study wildlife, insects and the thousands of living things around them. The emphasis is on studying the relationships which living things share. We hope it will help them fit into this gigantic and complicated mechanism so that they can live in harmony with the magnificent system of life.

Electricity

241

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.

242

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.

243

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.

244

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.

245

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.

246

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.

Entomology

251 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.

252 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.

253 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. Two standard boxes can be used. Specimens must represent and identify at least 10 different orders. Only specimens of six

common orders need by identified to family. Date/locality labels required. A special educational exhibit may be made as an option to the collection exhibit.

254 Advanced Phase

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

Display a minimum of 150 and not more than 450 specimens in not more than three standard boxes. Specimens must represent and identify at least 12 different orders. Specimens of six common orders need be identified to family. All butterflies labeled with correct common name. Date/locality labels required. A special educational exhibit may be made as an option to the collection exhibit.

255 Bee Science

4-H'ers should be 10 years and older. They will establish one or more colonies of honey bees and manage them for one season. They may exhibit extracted (liquid) honey produced by these colonies or choose to exhibit a special educational exhibit. Initial cost for establishing one honey bee colony may be \$100-150.

260 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.

270 Family Strengths

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

Foods and Nutrition

281 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 good groups.

282 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.

283 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.

284

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. (Counties **must** purchase member books)

285

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.

286

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.

287

Yeast Breads

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

288

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.

290

Food Preservation

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.

Forestry

301

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.

A 4-H'er should enroll in this phase a minimum of two years before enrolling in the Senior 4-H Forester phase.

302

Senior 4-H Forester

This project can involve any one or a combination of the following: forest, Christmas tree, wind-break or fuelwood planting, or improving an existing woodlot through pruning, thinning, etc. The project will develop an understanding of the interrelationships between forest, soil, water, wildlife and man.

Members will begin with a plan and then actually carry out the prescribed activities with the resource. A resource area must be available to work with. It may belong to the 4-H'er, his parents, or any consenting landowner.

A three-ring loose-leaf binder project book will contain written and pictorial documentation of activities and accomplishments.

An area Extension forester will provide consultation and direction to each member.

310

Fun with Children

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

Geology

Members may enroll in only one of Units 1, 2, or 3 in any given year. However, they may take Unit 4 in combination with any other unit during the same year. Progress from the beginning to the advanced phases upon satisfying the project leader. If they enroll in Unit 1, 2 or 3, secure a copy of the Geology manual, *Exploring the World Through Geology*. If they enroll in Unit 4, ask for the manual, *Cutting and Polishing Gemstones and Minerals*.

321

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.

322

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.

323

Unit 3: Advanced Geology (Use of Geological Information in Everyday Living)

Select and complete one of the special projects described in the 4-H Geological Information in Everyday Living. Use the project book, 4-H 302.

324

Unit 4: Lapidary (Cutting and Polishing Gemstones and Minerals)

Learn about the sources and uses of rocks and minerals which will be polished.

Collect rocks and minerals from Kansas and other states that can be cut and polished.

Exhibit results of the lapidary project and record findings on the lapidary record sheet.

After completing the first lesson, "Gemstone and Mineral Collection," 4-H'ers may select one or more of the remaining eight lessons each year. Each lesson has a basic phase and a certain number of optional exercises which are required to complete the lesson. These lessons are described in the member's manual, *Cutting and Polishing Gemstones and Minerals*.

Younger 4-H members may select the beginning lessons, but should be at least 12-years-old before enrolling in lessons which require skilled power equipment (lessons 3-9).

330

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.

340

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.

350

Horse

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.

360

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 demonstration 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.

Consider including the Veterinary Science Program,

page 14, if you enroll in the Horse project.

Horticulture

The 4-H Horticulture project has six 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.

371

Flowers and Houseplants

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

372

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.

373

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.

374

Food from a Family Garden

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

375

Food from a Market Garden

Grow vegetables and/or small fruits for sale. Members may grow only one crop such as tomatoes or potatoes.

376

Science in Horticulture

This unit provides 4-H'ers of any age with the opportunity to perform simple experiments with plants.

390

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.

Leadership

400

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.

410

Meats

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

421

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.

422

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.

423

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.

Photography

431

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.

432

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.

433

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.

434

Darkroom Techniques

4-H'ers concentrate on darkroom techniques and developing film 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.

Poultry

441

Market Poultry

Broilers, roasters, capons or turkeys. Start with any number of chicks or poults 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.

442

Laying

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

443 Exhibition

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

444 Pigeons

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

450 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.

460 Rabbits

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.

Reading

471 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."

472 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.

480 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.

490 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.

500 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).

511-513 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.

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.*
- Comparison of Hay Making Methods.
- Small Animal Behavior.
- Taxidermy.
- Welding.
- Skiing.
- Weather Forecasting.
- Range Management.
- Home Economics*
- Cake Decorating.
- Completing Your Family Tree.
- Early Childhood and Learning.

Self Determined - Swine

Consumer Laws.
Changing Food Patterns.
Changing Lifestyles.
Value Comparisons Between 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.

Sheep

521

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.

522

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.

523

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.)

Consider including the *Veterinary Science Program*,

page 14, if you enroll in the *Sheep Project*.

530

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.

Small Engines

541

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.

542

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.

543

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.

Super Shopper

551

Year I, Dollars and Sense, 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.

552

Year 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.

553

Year 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.

Swine

561

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.

562

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.

563

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.

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

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. Choose second, third, or fourth year according to the amount of experience they have had in driving a tractor.

571 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 Maintenance

572 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 Operating Costs

573 Third Year — Improving Your Skills

Tractor Safety on the Highway

Engine Ignition Systems
Hitches, PTO, and Hydraulic Controls
Steering, Brakes, and Front Wheels
Valves and Valve Service
Power Transmissions
Winter Care and Trouble Shooting
Tractor Records and Ownership Costs

574 Advanced Years — Machinery Care and Safety

This unit is planned so members may work in machinery care for three or four years.

Safe Use of Farm Machinery
Transmitting Power
Tools for Breaking the Soil
Applicators for Chemicals
Servicing Seed Planters
Cutters for Crops
Seed Separation
Farm Machinery Management
The unit, "Tools for Breaking the Soil," may be a year's work if there are several machines in this unit on the farm. If not, combine one or two machines from this unit with machines from other units to make a year's work in the project.

The unit, "Farm Machinery Management," should be part of the third or fourth year's work in machinery care.

575 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.

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:

581 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

582 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

583 Unit 3: Immunology, Zoonoses and Public Health

Introduction to Immunology
Mechanisms of Invasions by Pathogens
Development of Immunity — Natural, Acquired, Active, and Passive

Immunization of Animals — Biologic Agents and Their Administration

Allergin Theory
Zoonoses and Public Health

The completion of one unit of study could be considered a project, or the unit of study may be used to enrich any livestock, horse, poultry, rabbit, dog or dairy project.

Wildlife

591 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.

592 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.

Wildlife - Woodworking

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

593 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.

594 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.

595 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.

596 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.

597 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.

Woodworking

601 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.

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

602 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.

603 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.

604 Unit 4: Craftsman

Those who enroll in this unit should have considerable experience in woodworking. They may make articles or do repair or maintenance jobs or a combination of both.

Learn to care for and sharpen tools; about a grinder, electric hand saw, saber saw, circular saw, jointer, band saw, drill press, gluing, painting and finishing wood. Learning to use power tools is emphasized in this unit.

Items 4-H'ers may want to make are a work bench, study desk, picnic table and benches and household furniture.

See suggestions for repair maintenance given in Unit 3. (No printed support material available.)



4-H 430 Revised August 1987

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Kansas National Charity Horse Show

4-H Exhibition Class offered



Plans for the Kansas National Charity Horse Show continue to unfold as show officials set the stage for the four-day event Sept. 10-13 in Wichita at the Kansas Coliseum. Proceeds from the show will benefit the Kansas 4-H program.

In its ninth year, the Kansas National is a showcase for many breeds of horses and styles of showmanship. Western, English, driving and jumping will all be featured.

Also on tap for the show is an exhibition class for 4-H members tentatively scheduled for Saturday or Sunday afternoon. This class is open to 4-H members only and will not require an entry fee. In order for show officials to plan the class and ascertain the number of people who want to be involved, interested 4-H members should contact the Sedgwick County Extension office at 316-722-7721 or write to 9000 West Central, Wichita, Kansas,

67212, by August 12. Or, they may contact the horse show office.

The 1987 Kansas National Charity Horse show promises to be the greatest ever, a dazzling kaleidoscope of family entertainment. Performances in Britt Brown Arena will be at noon and 7 p.m. on Thursday and Friday, noon and 6 p.m. on Saturday and noon only on Sunday, which is an afternoon of exciting championship classes. A one-time, \$1 advance ticket or button admits the purchaser to any and all performances during the show. Children under six and accompanied by an adult will be admitted free. Official button outlets for Sedgwick County are Sheplers and Spangles.

For additional information about tickets or buttons or the special 4-H exhibition class, write or call the horse show office, P.O. Box 8691, Wichita, Kansas 67208, 316-687-5014.

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4-H'ers and other Kansas youth and their parents can develop skills in hunting, fishing and fur harvesting through small-group hands-on instruction from experts and to exchange ideas with other enthusiasts at the third annual Hunting, Fishing and Fur Harvesting School at the Rock Springs 4-H Center, Oct. 10-11.

The school is open to all Kansas young people, ages 12-18 and their parents. All youth must be accompanied by an adult. The adult doesn't necessarily have to be a parent, and participants do not have to be 4-H members to attend.

The event begins at 10 a.m. Saturday and will dismiss at 1 p.m. Sunday. The cost of participation is \$40 per person, plus additional class fees. The 4-H Foundation is offering scholarships to the top two winners of an essay contest conducted by the state 4-H office.

The funding for the scholarships are available from the

Charles L. Streefer 4-H Wildlife Trust administered by the Kansas 4-H Foundation.

Contestants for the essay contest should submit a maximum of two double-spaced, type-written pages on the subject of, "Hunters Responsibility in Wildlife Conservation." The essay must be received in the State 4-H Office, 201 Umberger Hall, KSU, Manhattan, KS 66506, by Sept. 21.

Classes offered include:

BOW HUNTING-Learn how to shoot a bow and arrow, follow a trail, build a tree stand and participate in a unique night bow hunt.

DOG TRAINING - Learn dog handling techniques in hunting situations. A few people may be able to bring young puppies.

FISHING - Find out how fish get to a particular location and learn how to catch different species. You will fish from the

shore and a boat.

FUR HARVESTING - You will learn the basic methods of harvesting furbearers, their preparation, and the marketing of their pelts. Since this is the Kansas Fur Harvester Education course, you will qualify for your



fur harvesting license if you pass a test at the end of the course.

UPLAND GAME AND DUCK HUNTING - Here's an opportunity to practice your shotgun shooting technique, hunt pheasant, handle a bird dog, call ducks, and learn about all the equipment needed.

Everyone will attend general sessions on landowner relationships, ethics and wildlife habitat management and then will spend the majority of the weekend in one of the above classes.

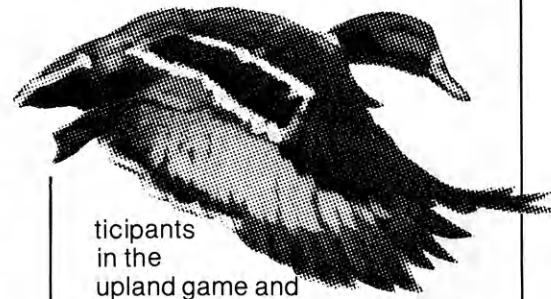
Evening activities will include:

owl calling, coyote calling, raccoon hunting, game management computer programs and animal track identification.

Participants will stay in heated cottages at Rock Springs 4-H Center, but will spend a lot of time in the field. The items needed are: Valid Kansas hunting or fishing license (if 16 years or older), 3 changes of clothing, raincoat, rubber boots (optional), sneakers, sleeping bag and pillow, toilet articles, towel, camera (optional), warm jacket, hat and gloves, sunglasses.

If in the fishing group: sneakers, fishing rod and reel, lures and spinners, bait (worms or minnows). Those in the bowhunting group: bow arrows, accessories (arm guard, shooting glove or tab etc.)

For the dog training group: dog, dog food, check cord, chain and stake, and whistle. Par-



Participants in the upland game and duck hunting: sunglasses or shooting glasses, ear plugs (shotguns, shells, and clay pigeons will be provided.) Fur Harvesting Group: Hip boots (optional).

Sponsors for the Hunting, Fishing and Fur Harvesting School are: Geary County Fish and Game Association, Kansas Department of Wildlife and Parks, Kansas Fur Harvesters Association, Flint Hills Chapter Quail Unlimited, Kansas Cooperative Extension Service, Kansas Wildlife Federation and Kansas Commercial Fish Growers.

Contact your county Extension office for an application and more details.



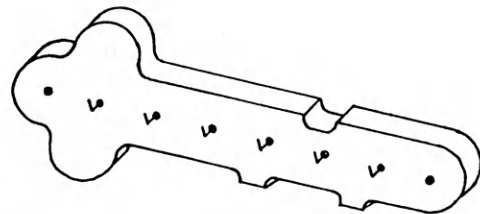
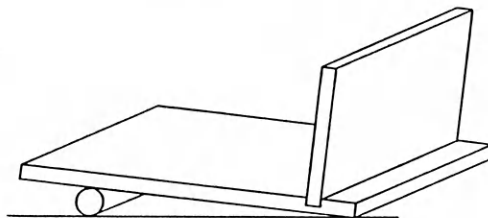
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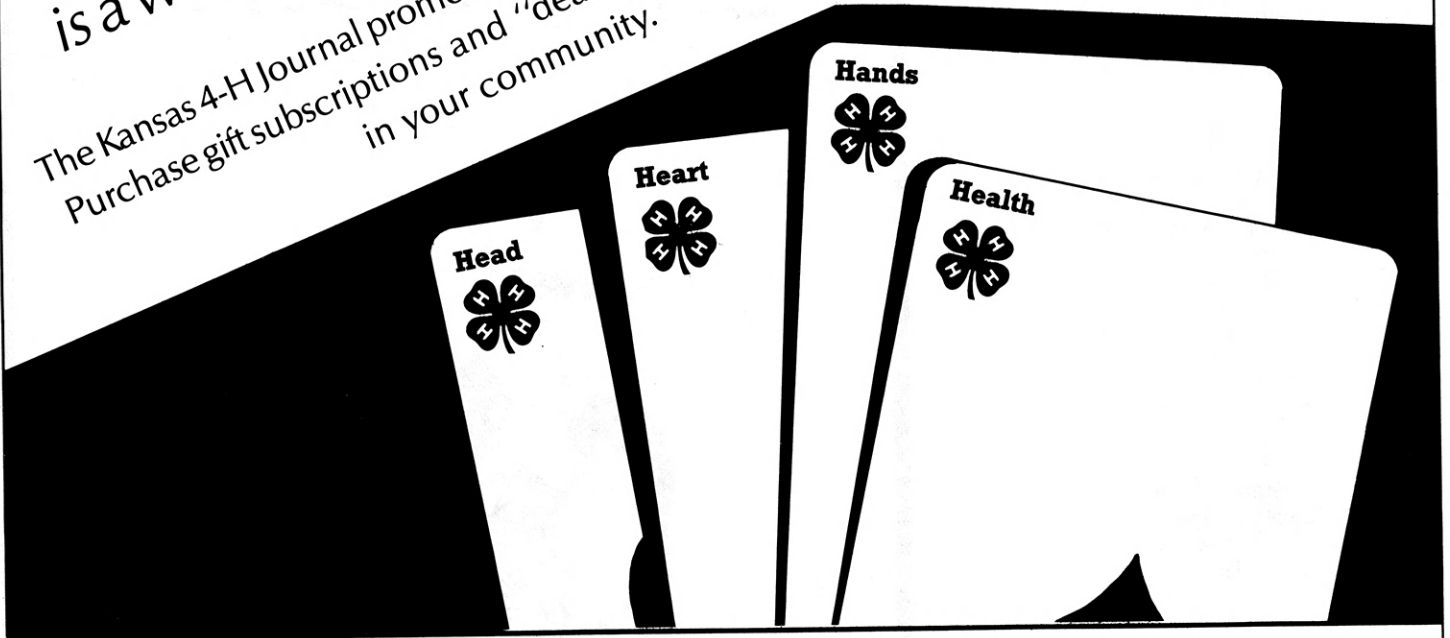


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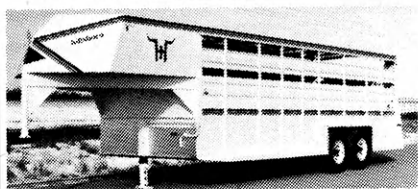
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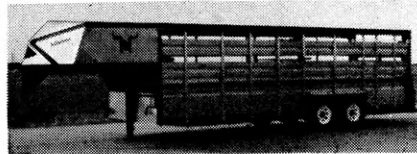
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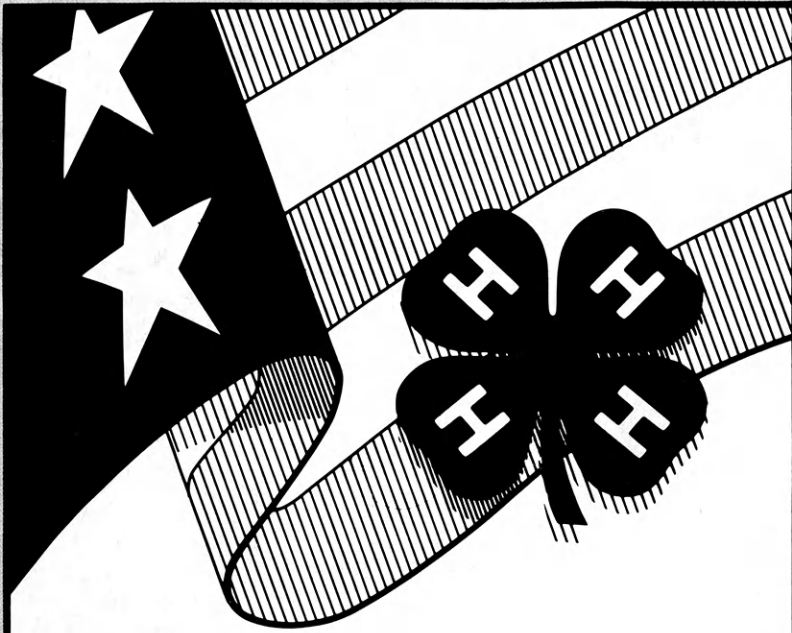
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