

# Kansas 4-H Journal

The Family Magazine

February/March 1987

*Discover*

## 1987 4-H Discovery Days

- K-State Mini College Experience
- See Insert on pages 9-16



Wherever You Live  
in the  
Sunflower State....



*City or Country...  
We've got Kansas covered!*

WITH A FULL LINE OF INSURANCE PLANS  
AND OVER 400 AGENTS STATEWIDE.

Outstanding coverage.  
Rates that are right. And  
with agents in every  
county and over 70 claims  
adjustors statewide, we'll  
be there — fast  
— when you need us.

Why not discover how  
we can make you — or  
your piece of Kansas —  
more secure.



**Farm Bureau Insurance**


FARM BUREAU MUTUAL • KANSAS FARM BUREAU LIFE • KFB INSURANCE COMPANIES



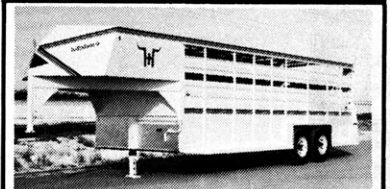
SOUTHWESTERN

*A*  
*Class*  
*Act*  
COLLEGE

ADMISSIONS OFFICE  
100 COLLEGE STREET  
WINFIELD, KANSAS 67156  
316/221-4150, EXT. 236

Why should you buy  
a Hillsboro  
Stock  
Trailer? 

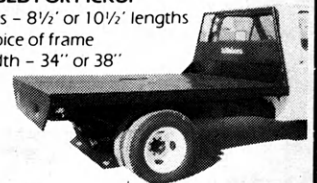
**QUALITY!**



**STEEL** - Distinctive aero-dynamic styling  
• Windbreaker front—pulls easy  
• Sizes - 6x16, 6x20, 7x16, 7x20, 7x22, 7x24,  
and 7x28  
• Many standard features  
The stock trailer for people who want high  
quality and energy savings with reasonable  
prices.

**MINI BED FOR PICKUP**

- Sizes - 8½' or 10½' lengths
- Choice of frame  
width - 34" or 38"



**J Bar J Trailer Sales**

Steve Jackson  
733-1106

13000 E. 47th St. So.  
Derby, KS 67037

# Kansas 4-H Journal

## VOLUME XXXIII, NO. 2 February/March 1987

Rhonda Wessel Atkinson ... Editor  
Glenda Eichman ..... Secretary

Address all correspondence:  
Kansas 4-H Journal  
116 Umberger Hall, KSU  
Manhattan, Kansas 66506  
Phone (913) 532-5881

Single subscriptions are \$4 per year.  
Group subscriptions are available upon request.

Kansas 4-H Journal is published  
10 times a year by  
**KANSAS 4-H FOUNDATION, INC.**

Bill Riley ..... Executive Director  
Merle Eyestone . . . Field Representative  
Trisha Cash ..... Secretary  
Ann Carr ..... Asst. Treasurer

### BOARD OF TRUSTEES

Glee S. Smith, Chrm. .... Larned  
Mrs. Charles Streeter,  
Vice-Chrm. .... Manhattan  
John Junior Armstrong,  
Treas. .... Manhattan  
Ross Beach ..... Hays  
Richard Dillon ..... Hutchinson  
Marilyn Pence Galle ..... Moundridge  
Mrs. Olive Garvey ..... Wichita  
Balfour S. Jeffrey ..... Topeka  
J. Harold Johnson ..... Manhattan  
Wilbur E. Levering ..... Topeka  
Thomas M. Potter ..... Wichita  
C.R. Salmon ..... Manhattan  
Tom Shirley ..... Dodge City  
Fred Sobering ..... Manhattan  
Walter Woods ..... Manhattan  
Robert Wagstaff ..... Shawnee Mission  
Mrs. Dwane Wallace ..... Wichita  
\*Glen M. Bussett ..... Manhattan  
\*Sen. Frank Carlson ..... Concordia  
\*Roger E. Regnier ..... Manhattan  
\*Dolph Simons, Sr. .... Lawrence  
\*Advisory Member

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).

## In this Issue ...

County Conservation of Natural Resources Winners .....	4
From Your State 4-H Leader .....	5
National Scholarship Winners .....	6-8
Bicycle Safety Contest .....	8
Newswriting Award Winners .....	8
Discovery Days Insert .....	9-16
Tobe-Corburn Scholarship Winner .....	17-18
National History Day .....	19-20
Ultrasound Carcass Evaluation .....	21-22
KJLA Show Rule Changes .....	22
New Horse Publication .....	23
First Aid Training .....	23
State Fair Planning Committee .....	23
Join Anytime After 7th Birthday .....	24
Electronics Clinic .....	24
IFYE Feast .....	24
Photograph Clinic .....	24
Horseman's Conference .....	24
Horse Panorama .....	24
Shooting Sports Leader Training .....	25
Club Chorus .....	26
1987 Kansas State Fair Showcase .....	27
Youth Camp .....	32

## Advertisers' Index

Kansas Farm Bureau .....	2
Southwestern College .....	2
J Bar J Trailers .....	2
John Deere Dealers .....	4
Worlds of Fun .....	27
Woodworking .....	28-29
Carr Enterprises .....	29
Titus and Stout Herefords & Quarter Horses .....	30
Kansas Savings and Loan .....	30
Southwind Invitational .....	30
Waldo Farms .....	30
Gelbvieh-Quality .....	30
Salt Hawk Dairy Goats .....	30
Grass and Grain .....	30
Sangamon Mills .....	30
Collingwood Grain .....	30
Capitol Federal .....	31
Consolidated Printing .....	31
Anchor Savings .....	31
Kansas Farm Bureau .....	31

# JOHN DEERE DEALERS CONGRATULATE

## ★ Conservation of natural resources winners ★

<b>ABILENE</b> Shouse Implement Co., Inc.	<b>HOLTON</b> Thompson Implement Co., Inc.	<b>PRATT</b> Mid-Co Implement, Inc.	<b>ST. MARYS</b> Farmers Union Hardware & Implement
<b>BURDETT</b> Delaney Implement Co., Inc.	<b>LAWRENCE</b> Deems Farm Equipment, Inc.	<b>SCOTT CITY</b> B & B Implement, Inc.	<b>TRIBUNE</b> A.E. Smith Implement Co., Inc.
<b>ENSIGN</b> Ensign Implement Co., Inc.	<b>LIBERAL</b> Keating Tractor & Equipment, Inc.	<b>SMITH CENTER</b> Smith County Implement, Inc.	<b>WICHITA</b> Western Implement Co.
<b>HAYS</b> Farm Power of Hays			

**John Deere is the sponsor of awards for 4-H winners in conservation of natural resources. At the county level, John Deere gives four medals to individuals and four certificates to 4-H clubs for outstanding work on conservation. In each state, the state winner in conservation receives a trip to National 4-H Congress with expenses paid by John Deere. At the national level, six 4-H members are selected to receive \$1,000 scholarships, provided by John Deere.**

**ATCHISON**  
Prairie View  
Brad Heineken

**GOVE**  
Golden Plains

**MARION**  
Mark Meisinger

**BROWN**  
Leroy Puvogel  
Mark Compton  
Modern Sunflower 4-H Club

**HAMILTON**  
Busy Bears

**MARSHALL**  
Tena Lehman

**HASKELL**  
Brant Norman

**OSBORNE**  
Chad Brummer

**COWLEY**  
Kristy Duncan

**JACKSON**  
John Schock

**POTTAWATOMIE**  
Chris King

**DONIPHAN**  
Sunflower 4-H Club

**JEFFERSON**  
Jason Reichart

**RENO**  
Shon Yust  
Union Valley 4-H Club

**DOUGLAS**  
Kanza 4-H Club  
Sunflower 4-H Club

**KEARNY**  
People Pleasers 4-H Club

**RUSH**  
Tim Maier

**ELK**  
Jeff Wells

**LANE**  
Becky Fancher  
Dighton Goldiggers 4-H Club

**SCOTT**  
Lance Brittan

**FORD**  
Derek Martin

**McPHERSON**  
Brenda Larson

**WABAUNSEE**  
Steve York

**GEARY**  
Mark Engholm

## 4-H Days ...

# A Strong Tradition

By: C.R. Salmon

4-H Day ... an event centered around competitive presentations, such as project talks, model meetings, skits and musical numbers is one of the strongest traditions in Kansas 4-H. Starting as a model meeting contest in 1925, the activity has grown to an annual event for developing boys and girls. Recently 87 counties reported youth participation in some phase of 4-H Day. This level of participation makes it one of the most popular county and multi-county activities. 4-H Days have been and will continue to be a positive experience for members, families and clubs.

4-H Days help boys and girls to prepare for the game of life. They help young people to set goals, complete projects and handle victory graciously or defeat constructively. Boys and girls learn to discipline themselves as they devote many hours to developing a project talk, rehearsing their club's model meeting (gavel game entry) or learning lines for their club's skit.

I recently heard a freshman at Kansas State University say, "4-H Project Talks gave me a head start in speech class."

Jim Braden, Kansas Speaker of the House, said "he received

his first and only exposure to parliamentary training in 4-H." Mr. Braden said "his 4-H experience served him well in the legislature where he served as chairman of the taxation committee, majority leader, and now Speaker of the House."

Both the awards won and the 4-H Day events serve as motivating forces. The competition in 4-H Days can and does provide positive motivation and incentive for learning. 4-H Days play a very important role in youth development.

4-H Day provides opportunities for the family to grow together. Researching the topic, organizing the presentation and polishing the final production ... can become a very positive growing experience for the family. Parents and/or big brothers and sisters spend many hours listening to 4-H members rehearse their lines and critiquing posters. Project talks can help develop a sense of family unity. Recently I observed a family of three bringing in the visuals, props and equipment for a project talk ... it took all three. So, if a family wants to spend more time together, have some fun and learn something new, shouldn't they consider 4-H Days?

County 4-H Day can strengthen bonds between families. Currently many clubs have families who have not worked together for a common goal, purpose or activity ... 4-H Days encourage this to happen. Pulling together for their club's model meeting entry or or chorus group number develops esprit de corps. Club participation in county 4-H Day develops community pride.

As you read this, most County 4-H Days are history and many 4-H families will be preparing for Regional 4-H Days, an extension of the county event. Regionals provide additional opportunities for boys and girls to be recognized and to sharpen their life skills. Regionals also help strengthen family, club and county bonds as they practice and participate as a team.

Some traditions become outdated; however, this is not the case with 4-H Days. 4-H Days have expanded to address the changing needs of youth, families and clubs. Plus, the benefits continue to grow. This makes 4-H Days ... A Strong Tradition.

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

## National Scholarship Winners

# Congratulations ...

*We're proud of the Kansas 4-H'ers  
receiving National Scholarships*

### Santa Fe Southern Pacific

Four Kansas 4-H'ers, who excelled in a variety of projects, have been named winners of \$750 4-H scholarships donated by the Santa Fe Southern Pacific Corporation.

They are Kathy Oliver, 18, 11920 E. 75th St., Derby; Wendy Winkler, 19, Route 1, Box 222, McLouth; Tammy Hawley, 19, 2407 Reeves, Dodge City, and Jim Kerns, 19, R.R. 4, Box 244, Osage City.

The four teenagers also received educational awards from Santa Fe Southern Pacific to attend the 65th National 4-H Congress in Chicago, Dec. 6-11.

They were among 27 scholarship winners who come from states served by the railroad or are sponsored by the Gulf Central Pipeline Company, a Santa Fe Southern Pacific company. The winners were selected by the Cooperative Extension System and awards were arranged by National 4-H Council.

Oliver, daughter of Mr. and Mrs. Robert H. Oliver, is a sophomore at Wichita State University and plans to become a professional bassoonist in a symphony orchestra. She is a nine-year 4-H'er.

The Sedgwick County girl excelled in the food-nutrition project and won a ribbon at the state fair last year for her angel food cake. She also has served as a foods judge and as a junior leader, aiding younger members with their foods projects.

Oliver's other projects have included clothing and gardening. She is a member of the Wichita Youth Symphony and earlier this year was given the opportunity to play second bassoon in the Wichita Symphony Orchestra.

Winkler, daughter of Mr. and Mrs. Jim Winkler, is a freshman at Kansas State University and plans a career in wildlife and forestry.

The Leavenworth County girl, a 12-year 4-H'er, excelled in the poultry project. She bought 200 birds of all different breeds as she became an expert in raising and showing poultry.

Winkler recalls once putting geese and chicken eggs under a turkey in an attempt to hatch them. "The turkey was heavier than expected and therefore broke many of the eggs," she said.

Hawley, daughter of Mr. and Mrs. William Hawley, is a sophomore at Kansas State University and plans a career in public accounting.

The Ford County girl, a nine-year 4-H'er, led a pilot 4-H project in her county to teach fourth-graders about law enforcement. She won her county's fashion revue championship five years and competed at the state level for four years.

Hawley has served as a teen representative on the 4-H State Clothing Advisory Board for two years.

Kerns, son of Mr. and Mrs. Gerald Kerns, is a freshman at Wichita State University in Wichita and plans a career in law administration.

The Osage County youth, an 11-year 4-H'er, was first runner-up in state swine competition in 1985. He has made a profit on his swine and on his 4-H beef.

"I worked with more than 250 head of my own pigs and helped others with some 200 pigs," he said. "I worked with 40 head of my own beef and helped others with more than 200 head."

# National Scholarship Winners

## Agriculture Careers

LuAnn Bergner was one of four young people to receive \$1,000 agricultural careers scholarships from DEKALB Corporation.

Bergner, daughter of Mr. and Mrs. Elmer H. Bergner, is a freshman at Kansas State University at Manhattan and plans to become a veterinarian. She is a 12-year 4-H'er.

The Pratt County girl said she has always been interested in agriculture, especially livestock, which she learned to buy and sell.

Last summer on the family farm she said she "did everything from moving cattle and running the tractor to putting up hay."

She bought an abused horse six years ago and said that "through hard work, patience and love" she turned him into a champion.

"What I admire most about my gelding is that he has a lot of heart, spirit and stamina that can't be broken. While I took care of him and trained him, he taught me about courage, trust

and perseverance. Those are lessons I will carry with me throughout life."

She showed her gelding at the Kansas State Fair and has also shown sheep in a number of shows. She was a member of her county's 1984 judging team that competed at state fair.

Last March, she gave a public speaking presentation in the 4-H horse program at Kansas State Horse Panorama, receiving first place and winning a trip to the Western National 4-H Horse Classic in Denver.

## 4-H Rabbit Scholarship

Mary Beth Sands, daughter of Mr. and Mrs. Charles H. Lewis, is a high school senior and plans a career in veterinary medicine.

The Jefferson County girl, an eight-year 4-H'er, said she began her rabbit project three years ago with two does and a buck. "I learned how to use selective breeding to improve my rabbits," she said.

"By saving replacement rabbits out of large litters, all my

does now produce eight bunnies and sometimes as many as 14. My rabbits also are very meaty and healthy," said Sands who markets her rabbits when they weigh four and a half pounds.

Last spring she gave a demonstration on "Raising Rabbits" and has encouraged other 4-H'ers to begin breeding rabbits.

She said that 4-H has "given me the opportunity to grow as a person and become a leader.

Sands still recalls how nervous she was when she gave her first demonstration eight years ago. She said now she can speak easily in front of a group of people.

Sands said she chose veterinary science as a career because she loves animals. She said that once she begins her practice she plans to raise purebred rabbits and goats and show them.

## 4-H Careers Scholarship

Deborah Purcell received a \$1,000 scholarship from the Gertrude L. Warren Career Scholarship Fund. The scholarship was named after a pioneer 4-H leader often described as the "Mother of 4-H."

Purcell, daughter of Mr. and Mrs. James Purcell, is a freshman at Kansas State

University at Manhattan and plans a career in secondary education. She is an 11-year 4-H'er.

The Jewell County girl joined other 4-H'ers in delivering Christmas baskets to senior citizens and cleaning up a vacant lot for a community park. She presented musical numbers as

4-H'ers visited nursing homes to entertain residents. She also collected for charities in her community.

Her 4-H projects included clothing, food-nutrition, knitting, home environment, arts and crafts and sheep. Last year she was a delegate to the Kansas City 4-H Conference.

## National Scholarship Winner

### 4-H Dairy Goat Scholarship

Rosette Pachta received a \$1,000 scholarship from the American Dairy Goat Assn., Computer Systems, Inc., *Dairy Goat Journal*, Faith Printing Co., and the Liberty Press, Inc.

Pachta, daughter of Carol Pachta, is a freshman at Cloud County Community College at Concordia. She is an 11-year 4-H'er.

The Republic County girl said she has "seen many turning

points in agriculture" and wants to be a part of it. "With a positive attitude, my goal is to expand my knowledge to be a leader in the agriculture industry," she said.

Since the death of her father in 1984, she has taken over full responsibility for her dairy goat and sow operation. She earned grand champion showman at the county level with her dairy goats and ranked seventh in state

swine showman competition one year.

She was chosen 1985 Republic County Pork Queen and promoted pork and the agricultural industry at county and state activities. Pachta also was selected to be a member of her college livestock judging team.

Her other 4-H projects included leadership, horticulture and knitting.

## Bicycle Safety Contest: New Safety Project

The "FUN ON WHEELS" Bicycle Safety Contest will make its debut in 1987, reports Chuck Hougland, Chairman of the State 4-H Safety Developmental Committee. Recently six 4-H clubs were recognized for their cooperation in piloting the new program. Certificates of Merit from the Kansas Farm Bureau Safety Division and the State 4-H Youth Activities Office went to the following 4-H clubs: Glittering Stones, Cherokee County; Wide Awake, Finney County; Lucky 13, Greenwood County; Union Valley, Reno County; Sunflowers, Ellis County and the Junior Leaders, Wabaunsee County.

All six clubs made contributions to the successful beginning

of the "Fun On Wheels" Bicycle Safety Contest. One of the committee's goals this year will be to have a handbook printed and distributed throughout the state for 4-H leaders to use in developing a "Fun On Wheels" Bicycle Safety Contest in their communities.

The state 4-H Safety Developmental Committee is just going into its second year. Other members are: Bill Borst, Manhattan; Verne Clausen, Alma; Margie Engelkemier, Hutchinson; Wilma Honig, Onaga; Chris Jackson, Paxico; Jill Maltby, Winfield; Michelle Scheele, Abilene; Kim Turner, Scammon; Ginger Wessel, Emporia and Billy Wood of Alma.

## Newswriting Award Winners

Nine 4-H'ers have been recognized as the state 4-H Newswriting award winners and will receive full scholarships to K-State Discovery Days in June.

The scholarships are sponsored by Montgomery Publications of Junction City. To receive the award, the top reporter's notebook from each county was sent to the state 4-H office, and it was judged on quality of news reports written and printed. The winners are: Jennifer Dunn, Stafford; Shawn McLaughlin, Wyandotte; Deanell DeBey, Rooks; Craig Depenbusch, Cherokee; Roberta Tessendorf, Pottawatomie; Todd Johnson, McPherson, Nancy Fowler, Lyon; Amy Frohardt, Johnson; and Ryan Claycamp, Republic.





Discover a mini-college experience, June 2-4 at Kansas State University. Carefully chart your course by studying this class listing and filling in the following registration form.

\*This class will help you supplement your income. You'll learn how to be successful at getting/keeping a job or how to make something to sell.

### Discovering Animals

**Basic Dog Care and Obedience Training** — Grooming and care as well as basic obedience commands will be discussed and demonstrated. Your instructor will provide dogs. *Thursday.*

**Beef Production - Conception to Consumption** — Career opportunities in Beef Science will be explored. Some of the latest developments in selecting, breeding systems, reproduction, nutrition, herd health and meats will be explored in a hands-on setting. *Full option.*

**\*Dairy Goat Care and Raising** — We will discuss the daily care of the dairy goat from newborn kids to milking doe. Important nutritional and health concerns will be covered also. We'll visit a dairy goat herd and experience milking, feeding, and some important health procedures. *Tuesday and Thursday.*

### Dog Care and Training - Therapy Dogs

— A look at the 4-H dog care and training project and the possibility of using 4-H dogs as "K-9 Candy Strippers." *Wednesday.*

### Equine Sports Medicine and Exercise Physiology

— You'll learn about a new program designed to reduce the injuries and disease in the equine athlete and to improve the performance of horses in competitive events. A demonstration will be given of a horse running on the highspeed tread mill. *Thursday.*

**\*Exploring the Zoo** — You'll go behind the scenes of the Sunset Zoo to discover how a zoo operates - this includes handling some of the zoo animals. Discussion will include career opportunities in zoos and aquariums and the role of conservation education in zoos. *Tuesday and Thursday.*

**Horse Judging Workout** — Learn and apply through practice the basic criteria for evaluating halter and performance horses. *Tuesday.*

**Jump for Joy** — Learn and practice the beginning steps of English riding and jumping. YOU MUST HAVE A MINIMUM OF 2 YEARS RIDING EXPERIENCE. THIS CLASS IS FOR THE EXPERIENCED HORSEMAN. *Wednesday.*

**Lambing Clinic** — Prelambing care of a ewe including deworming and vaccination. Handling dystocias (difficult births) includes (wet lab) hands-on experience if possible. How to revive weak lambs after care of ewe and lambs. *Thursday.*

**Livestock Quiz Bowl** — Come observe and practice what it's like to prepare for conducting and participating in quiz bowls - beef, sheep, swine and horse. *Wednesday.*

**\*Managing the Market Lamb** — This course will include discussion on selecting, feeding, managing, fitting, and showing a lamb. Time will be allocated for hands-on fitting and showing experience. *Full. Option.*

**Market Swine Project** — An overview of the selection, care, feeding, and showing of your 4-H pig. *Thursday.*

**Poultry and Egg Judging** — Instructions will be given on how to judge egg production hens, exterior and interior of eggs, and market poultry. Special emphasis will be placed on giving oral reasons. *Tuesday and Thursday.*

**Preventative Medicine in Sheep** — A hands-on laboratory on health care in sheep. Participants will learn techniques of vaccinations, worming and hoof care in sheep. *Thursday.*



## Discovering the Arts

**Beginning Brush Calligraphy** — Learn how to make professional looking posters with just a brush and temper a paint. You will acquire the skill of making clean dimensional-looking strokes in this class. *Wednesday.*

**Beginning Sketching and Drawing** — Have fun learning the basic fundamentals of drawing. Gain experience with basic shapes, proportion, shading and much more. *Tuesday and Thursday.*

**\*Brass and Copper Buckles** — Learn design, cutting, filing, sanding, soldering, and buffing as a brass and copper buckle is created. You'll have a fancy buckle to take home with you. *Wednesday.*

**Christmas Ornaments** — The class will be a "hands-on" time for making Christmas ornaments (quilted Christmas ball, a pop-up Christmas card and teddy bears) made from brown paper and marshmallows. *Tuesday.*

**Clowning - The Inner You** — In clowning you find mystery, magic and a wonderful secret to share. Come put on a new face, explore the mystery and share the magic. *Tuesday and Thursday.*

**Constructing Your Scrapbook** — Do you have a collection of photographs, ribbons and programs collecting dust or stored away in a shoe box? We'll learn how to piece together a scrapbook which will display items in an orderly, imaginative fashion. *Tuesday and Thursday.*

**\*Cornhusk Wreath** — Cornhusks will be formed on a straw wreath, decorated with a bow for Christmas or fall use. Optional: learn to make roses from the husks. Bring a hand towel. \$4.50 additional class fee. *Wednesday.*

**Create a Country Basket** — This simple technique wraps strips of fabric around a rope core which is then coiled to make a basket. During the class you will be creating a basket which can be used in any room in the house. You'll need to bring a few supplies from home (your instructor will contact you.) \$2 additional class fee. *Tuesday and Thursday.*

**Creative Crocheting** — Interested in learning a fun, portable, inexpensive and profitable hobby? Come learn the basics of one of the oldest and easiest of needlework art. Crocheting allows much creativity. It can be fun and very useful in making projects for yourself and others. *Wednesday.*

**Creative Decorating** — Good ideas for creative room design and projects to make. You'll visit a furniture store to study furniture buymanship and learn what's needed to set up an apartment. *Wednesday.*

**Creative Dramatics** — Explore the dimensions of your personality through creative dramatics. The infamous team of Scott and Debbie are back for a third year to take you through an improvisational theatre. *Full option.*

**\*Decorating Grapevine Wreaths** — Decorate a grapevine wreath with ducks and hearts in country style for your room or a gift for a special friend. \$3.50 additional class fee. *Tuesday and Thursday.*

**Beginning Square Dance** — Learn how to perform Do-Si-Do, Promenade, Allemande Left, etc. and to dance a basic square dance for beginners. Bring a partner. *Wednesday.*

**Intermediate Square Dance** — This class is for those people who have been square dancing for at least one year. You'll learn more advanced steps and dances. Bring a partner. *Tuesday and Thursday.*

**\*Leathercraft: Belt Carving and Tooling** — Basic leather carving and tooling will be demonstrated and practiced. Each participant will carve and tool a floral design on a leather belt which may be personalized. \$9 additional class fee. *Full option.*

**\*Machine Embroidery** — Learn how to freehand embroider on wool, patches, sweat shirt and other clothing. You'll make some patches and do some lettering. *Tuesday and Thursday.*

**\*Metal Punch** — Learn the pioneer art of metal punch on tin and copper. You'll complete four small projects or one large and two small projects. \$1.50 additional class fee. *Tuesday and Thursday.*

**\*Padded Photo Album** — Learn to make a padded photo album. Take home a finished product. \$12 additional class fee. *Tuesday.*

**Paper Puppets and Performing** — Learn how to make 3 to 5 types of puppets. Puppetry techniques, creative dramatics and use of found items are all part of this class. Perform an adapted fairy tale as a grand finale. *Tuesday and Thursday.*

**\*Perfumes and Potions** — Learn to make perfume potpourri and bath salts. Take a quick tour of an herb farm. You'll get to take home what you make — and ideas for a lot more. \$5 additional class fee. *Thursday.*

**Sing Out 4-H** — This special 4-H entertainment troupe will learn to sing with the group using movement and simple, effective routines for public performance. The group will perform at the picnic which is the closing celebration of Discovery Days. *Full. Option.*

**Stained Glass** — A visual survey of stained glass in architecture as an art will be presented. Introduction to and demonstrations of the leaded and copper foil techniques. Each participant will have an opportunity for hands-on experience in designing and making a small stained glass panel. \$3 additional class fee. *Full option.*

**Swing Dance** — Get ready to have fun and dance with instruction in the basics as well as the more intricate swing dance steps. Learn to two-step. Bring a partner. *Wednesday.*

**\*Toll Painting** — We'll learn to paint a small sampler board, learn various brush strokes and complete the project. \$4 additional class fee. *Full option.*

**\*Wheat Weaving I** — Learn the ancient craft of straw work known in Kansas as wheat weaving. Three items will be completed to take home. Several new techniques will be learned. \$2 additional class fee. *Tuesday and Thursday.*

**\*Wheat Weaving II** — Five items will be completed to take home including "Heart of Wheat," The Kansas Sunburst and Caroler's Angel. \$7 additional class fee. *Wednesday.*

**Wood Carving** — Learn to develop patterns, how to use tools safely and carve. Woodcarvers often need rest time for their hands and can creatively use this time. \$2 additional class fee. *Wednesday.*

## Discovering Foods and Nutrition

**Beginning Cake Decorating I** — If you've always envied cooks who produce gorgeous cakes, here's your opportunity to learn borders, writing, stars and flowers for beginners. *Tuesday and Thursday.*

**\*Beginning Cake Decorating II** — Spend more in-depth time learning how to decorate cakes. For beginners. *Wednesday.*

**\*Bread Basics and Halloween Specialty Breads** — Basic bread baking will be taught in the morning. In the afternoon, you'll learn shopping techniques. The designs have many fun applications for Halloween such as school parties and theme decorating for your own family table. \$1 additional class fee. *Wednesday.*

**\*Bread Specialties From Us to You to Someone New** — Come create yeast bread specialties that you can bake for your family and friends. *Wednesday.*

**Eating Smart and Controlling Weight** — This class is designed to teach the participants how to actively take charge of designing and eating a balanced weight control diet. Physical measurements and class participation in designing a healthy way of eating will be included. *Tuesday and Thursday.*



**Health Kick** — Come join us if you enjoy physical fitness. We'll discuss and participate in aerobics, stretching and nutrition. Bring your own t-shirts and gym shorts. **GIRLS ONLY.** *Tuesday and Thursday.*

**Microwaving Breads** — Discover quick bread making techniques using the microwave. Participants will get a chance to make various bread recipes. *Tuesday and Thursday.*

**\*May I Take Your Order Please?** — Learn how to be a successful waiter or waitress. You'll receive helpful hints on keeping orders straight, carrying trays, cleaning tables, pouring coffee and water, etc. *Thursday.*

**\*Working at a Fast Foods Restaurant** — Find out how to convince the manager to hire you. Plus, discover what your on-the-job responsibilities will be. *Thursday.*

## Discovering Machines

**Basic Computer Applications** — Beginning use and understanding of computers, word processing and data base application. \$5 additional class fee. *Tuesday and Thursday.*

**Beginning Darkroom** — Participants will develop a roll of black and white 35mm film and make a few prints. You'll need to bring an exposed roll of 35 black and white film. *Wednesday.*

**Computer Country** — Come learn beginning computer skills to apply to your home, school or farm records. \$5 additional class fee. *Wednesday.*

**Diesel Engine Testing** — Evaluate the effectiveness and performance of a commercially available fuel-saving device on a farm tractor diesel engine by actual engine testing. *Tuesday and Thursday.*

**\*Electricity In the Home and On the Farm** — Learn the fundamentals of electricity and perform numerous wiring (electrical) exercises. Plenty of hands-on experience in wiring will be provided for each participant. *Wednesday.*

**Judging Photos** — Participants will learn the criteria for selecting quality photos by judging several classes and critiquing the pictures. *Wednesday.*

**Kansas 4-H Computer Contest** — There will be a written exam, program trouble-shooting, program development and parts identification. Participants are encouraged to bring their own computers for the contest. Contestants should obtain a copy of the Kansas 4-H Computer Contest rules and regulations prior to the contest. Contact your county Extension office to obtain the rules and regulations. *Wednesday.*

**Kansas 4-H Electrical Energy Contest** — It tests knowledge of electrical energy and wiring skills in safe electrical usage. The winner will be able to advance to the National Electric Energy Contest. Contestants should contact their county Extension office for contest rules prior to Discovery Days. *Wednesday.*

**Kansas 4-H Small Engines Contest** — This contest is designed as a demonstration of skills and knowledge acquired by the 4-H members participating in the 4-H small engines unit. The winner will advance to compete in the National Small Engines Contest. Contestants should obtain Kansas 4-H Small Engines Contest rules and regulations, 4-H 526, from their county Extension office prior to the contest. *Wednesday.*

**Microcomputers for Business Planning** — An introduction to microcomputers and data management in general will be presented with emphasis on business applications of spread sheets (Lotus 1-2-3). Each participant will have their own computer. *Full option.*

**Nuclear Reactor Operations** — Explore principles of radiation reactor operation and reactor experiments. *Wednesday.*

**Photo Journalism** — The participants and instructor will cover a news story at Discovery Days. They will learn how to take pictures for a news story, select pictures and crop them for printing. Students must bring a 35mm camera and unexposed 12 exposure color print film (any speed). \$7 additional class fee. **NOTE: THIS IS A SPLIT CLASS. STUDENTS MUST SIGN UP FOR BOTH THE TUESDAY AND THURSDAY CLASS. THEY WILL BE ABLE TO SIGN UP FOR A DIFFERENT CLASS ON WEDNESDAY.**

**Photo Walking Tour** — You'll take pictures of buildings, people, landscape, etc. Your film will be processed for you and then you'll critique your work. You must bring your own camera (35mm or instamatic) and one roll of unexposed color print film (24 exposures). \$7 additional class fee. *Wednesday.*

**\*Small Gas Engines** — Tune Up and Simple Repairs — Basic tuneup and maintenance procedures will be explained, then students will perform tuneups of small gasoline engines such as a lawn mower. *Wednesday.*

## Discovering the Outdoors

**Advanced Riflery** — Learn Olympic-style shooting from a military expert. NRA riflery instruction will include the three positions, safety and equipment. *Tuesday and Thursday.*

**Beginning Riflery** — Prone position, safety and equipment will be covered. For beginning shooters only. *Wednesday.*

**Backpacking** — Learn about the type of food and equipment needed. Backpacks for a three-to-five mile hike in the afternoon will be provided. Come prepared with the proper footwear. *Wednesday.*

**Basic Canoeing** — You'll get an introduction to canoeing techniques and safety. All equipment will be furnished. Bring suntan lotion, old tennis shoes and a hat or sunglasses. *Wednesday.*

**Beginning Hackey-Sack** — Take part in this relaxing yet exciting easy-to-learn sport. Play can be individual or in groups. We'll learn a few rules and spend plenty of time developing skills of the game. *Wednesday.*

**Bicycle Tour/Contest** — Participants will enjoy an 87-mile tour in the Flint Hills around Manhattan. Each must bring a multi-speed bicycle in excellent condition and be able to ride at least 20 miles within 30 minutes. There will be an overnight where sleeping space and showers are available so bring your sleeping bag. Elements of the State 4-H Bicycle Contest will be incorporated. \$10 additional class fee. **NOTE: This class will be a Tuesday and Wednesday class. If you register for this class, you may register for only one other class.** *Thursday.*

**Bird-Watching in the Flint Hills** — A full day of bird-watching will take place in Riley and Geary counties. We will visit a variety of ecosystems to view species in the Flint Hills. Bring your own binoculars and bird book. *Wednesday.*

**Bow Hunter Education** — Deer hunting will become very real as you explore the Tuttle Creek area. You'll look at the selection of archery equipment, hunting safety and ethics, hunting practices, tree stands, anatomy, blood trails and land-owner relations. You don't need to bring any archery equipment. \$2 additional class fee. *Wednesday.*

**Fishing Kansas** — Find out how the fish get a particular location and learn how to catch different species. You'll fish from the shore and boats using sonar depth finders. Bring your own equipment (lears, jigs, etc.). *Full option.*

**Fossil Forage** — Take a field trip to collect a wide variety of marine fossils in the Manhattan area. Learn about a ancient life and how to get involved in the 4-H geology project.

**I tried Scuba** — This class is designed to allow you to discover the world of scuba diving. A brief discussion will be given about the sport and the equipment used. You will get an opportunity to try scuba in a supervised environment. Wear your bathing suit. *Tuesday and Thursday.*



## Running - For Fun or Competition —

A former all-American track star will explain proper nutrition, stretching exercises, proper shoes and clothing fit, and training and racing strategy. You will get to practice your form. Wear your running clothes and shoes (no spikes) to class. For beginning and advanced joggers and/or competitors. *Thursday.*

## Shotgun Shooting Fundamentals —

You will receive on-range instruction in shotgun shooting. Information will be given on shotgun fit, gauges, chokes, reloading, and safety. \$12 additional class fee. *Wednesday.*

## Slippery, Slimy, Wet and Wild —

Discover the world of life in our water. We will investigate the water world — inhabitants, stream flow and interlocking ecosystems. Come get your imagination stimulated and your feet wet. *Tuesday.*

## Soil and Water Conservation —

This class will introduce you to soils, plants and water quality. You will learn how they are related and what they mean to people in town or on the farm. There will be a field trip to look at conservation practices, study plots and to investigate a stream.

**NOTE: Scholarships are available. Contact your County Extension Office for details. Applications must be submitted by March 23.** *Wednesday.*

## Super-Duper Day Camps —

Creative hands-on experiences and leadership techniques for planning and conducting 4-H day camps. Areas covered will include: crafts, recreational activities, meal ideas, managing crisis and basics of working with young children. \$4 additional class fee. *Wednesday.*

## Taxidermy —

Learn the actual process of skinning and mounting birds. You will get to take home your own stuffed bird. \$5 additional class fee. *Full option.*

## Wildlife Potpourri —

Explore adventures in trophy deer hunting, strategies in trapping and calling woolly coyotes, shooting ducks and geese, techniques in calling big tom turkeys and the art of taxidermy. Share in the thrills of this wildlife expedition including game calling contest and "big" game stories from the great American sportsman. \$1 additional class fee. *Full option.*

## Introduction to Basketball for Boys —

Practice fundamental skills and strategies to gain a better comprehension of the game. You must wear white-soled basketball shoes. Come dressed to play. *Wednesday.*

## Introduction to Basketball for Girls —

Practice fundamental skills and strategies to gain a better comprehension of the game. You must wear white-soled basketball shoes. Come dressed to play. *Tuesday and Thursday.*

## Land Judging —

This class will provide the basic skills for 4-H and FFA land judging and homesite evaluation contests. *Wednesday.*

## Racquetball —

You'll learn, practice and put to use the fundamentals of one of the country's fastest growing forms of exercise and leisure sport. You must wear white-soled tennis shoes. **FOR BEGINNERS ONLY.** *Tuesday and Thursday.*

## Discovering Plants

### Developing Crop Varieties for Kansas Farmers —

We'll review the basic plant breeding techniques used to improve crops for Kansas agriculture. A tour of campus research facilities and field trip to research plots will enable you to interact with plant breeders and learn how problems facing Kansas farmers are being solved. *Thursday.*

### Flower Power —

Have fun learning hands-on how to plan and plant a flower garden. You'll learn proper flower varieties, culture and arrangement in the garden. You'll get to plant a flower bed on campus and take transplants home for your own garden. *Tuesday and Thursday.*

### Horticulture Judging —

You'll learn techniques in judging quality and condition of horticulture crops and identification of plants. The content of this class conforms with the state judging standards so you'll be prepared to judge on a county or state level. *Tuesday.*

### Horticulture Research Farm —

A series of subjects will be featured including growing strawberries and other berries, new techniques in breeding your garden, pruning fruit trees, care of trees and shrubs and transplanting garden crops. Class will include, "how to" as well as "hands-on" experience. *Wednesday.*

### Interpreting Nature in Witchy Woods —

Basic skills will include building and maintaining nature trails, identifying and discussing interrelationships between plants and wildlife and learning to sense and appreciate the beauty of nature. Be prepared to work and bring a raincoat or umbrella should it rain. *Thursday.*

### Plants in the Home —

During this class you'll learn the care of houseplants, how to make a bonsai plant, how to make a terrarium and how to start seeds to grow your own plants. You'll get to make and take home a bonsai, a terrarium and seedlings of your choice. *Thursday.*

### Prairie Wildflowers, Grasses and Weeds —

Learn identifying characteristics and interesting tidbits of information about plants. We'll discuss plants' ecological role and their response to grazing and burning. *Tuesday.*

## Propagating Plants by Budding and Grafting —

You'll become familiar with the scientific aspects of budding and grafting ornamental trees and shrubs, as well as fruit and nut trees. Come prepared for a "hands-on" experience. \$1 additional class fee. *Tuesday and Thursday.*

## Seed Analysis/Plant Identification —

This is an introduction and assistance to students or coaches of 4-H crops judging teams and anyone else who is interested. *Wednesday.*

## Through the Looking Glass: Microscopic View of Plant Diseases —

This will be a "show-and-tell" with microscopes in the lab. You'll study different types of plant diseases and have a walking tour of campus. Identify pathogenic problems on plants and learn how to avoid these problems at home. *Wednesday.*

## Discovering Textiles and Clothing

### Decorating Sweat Shirts —

Make your sweat shirt unique by adding machine embroidery, applique, stenciling or needlepunch. \$2 additional class fee. *Tuesday and Thursday.*

### Designer Sweat Shirts —

Embellish a purchased sweat shirt with paint applique, cross stitch, lattice edge trim, etc. to make them look like the expensive designer shirts. *Tuesday and Thursday.*

### Lace Net Darning and Embroidery —

You'll enjoy this "hands-on" class. Lace net embroidery is fun and quick to do. The charts are as easy to follow as counted cross stitch or needlepoint charts. \$1.50 additional class fee. *Wednesday.*

### Padded Heart —

Make an attractive heart to hang on your bedroom wall. You can hang chains and lots of other items on the hooks on the heart. \$1.50 additional class fee. *Tuesday and Thursday.*

### Print Your Own Sweat Shirt/T-Shirt —

Bring your own sweat shirt or T-shirt to class and learn ways to paint and print your own designs with a brush, potato printing, sponge printing and other art techniques. *Tuesday.*

### Serger Technology for Leaders —

Serger sewing machines are the latest major advancement for the home sewer. This workshop will show features of the machines, comparison of brands and notions to use. Single 4-H beginner projects will be demonstrated. **FOR ADULTS ONLY.** *Tuesday.*



**Sewing with Sergers for Leaders** — A "hands-on" Serger experience with leaders making samples to get acquainted with the tension adjustment, stitch length, construction order, different fabrics and threads. FOR ADULTS ONLY. YOU MUST BRING A SERGER SEWING MACHINE. \$1 additional class fee. *Wednesday.*

**Sewing with Sergers** — Learn to sew with the Serger sewing machine. It trims, stitches and overcasts in one easy step. Make two or more complete garments. *Full option.*

**Sweat Shirt — Western Style Conchos** — Each participant must furnish their own sweat shirt. We'll decorate the shirt with silver conchos, leather, silver spots and colored beads. The silver conchos will be sewn on by hand. The other items will be decoration around the conchos. \$2.50 additional class fee. *Thursday.*

**Tatting** — Learn to make lace by tatting — a process of making lace by looping and knotting a single strand of thread on small shuttle. This craft was very popular in Europe in the 1800's and is now making a come back in the United States. You'll learn the basic knot and receive patterns. *Wednesday.*

**2-Hour Knitted Sweater** — Learn to operate a knitting machine and complete a sweater in one class period. The versatility of the machine will be demonstrated. \$13 additional class fee. *Tuesday and Thursday.*

## Discovering You and Other Things

**Agriculture - Looking To the Future** — Discover how the industry of agriculture can fit into your future. Visit various agriculture facilities to see agriculture's future - today. Career opportunities will also be explored. *Tuesday.*

**Babysitting** — Learn how to be an effective babysitter. You'll see videotapes, complete worksheets and discuss how to handle different situations. Upon completion of this Red Cross course, you'll receive a certificate. \$2 additional class fee. *Wednesday.*

**Basic Wardrobe Color** — Learn your best colors, how to put a wardrobe together and how to model. *Tuesday and Thursday.*

**Commodity Marketing and Introduction** — You'll learn basics of commodity marketing — contracts, size, margins, charts and trading locations. *Tuesday.*

**Completing the National 4-H Report Form** — If you have hopes of being a national 4-H winner, this class is for you. Come learn hints discovered by past national winners on how to maximize the report to your advantage. Bring your own record book if you wish. This class complements a Tuesday class on how to complete the permanent record. *Thursday.*

**Completing the Permanent Record** — Learn helpful hints developed over the years on how to make your Kansas 4-H Permanent Record work for you. Not only is it a gold mine for awards judging, but it can be a valuable resource when applying for college. Also consider enrolling in the follow-up class on Thursday to learn about the nation 4-H report form. *Tuesday.*

**Decision Making in Dating Relationships** — This class will examine aspects of dating relationships which are important to teenagers and the decisions they must face related to dating relationships. Decision making strategies will be discussed. *Thursday.*

**Discovery Days Newsletter** — Participants will be responsible for gathering news, writing news stories, editing copy and laying out pages for a newsletter covering Discovery Days events. *Full option.*

**Everybody's Tomorrow** — The purpose of this class is to increase understanding of the aging process and of older family members. Participants will learn what it means to be middle-aged and elderly. You'll have an opportunity to become old through class activities. *Tuesday and Thursday.*

**Find it at K-State!** — Recent K-State graduates will give you a fun and unique orientation to K-State as well as some hints on everything from contacting a college to making a final decision. This class includes a unique scavenger hunt. *Thursday.*

**Gavel Games — Fun! Fast! Fantastic!** — Tired of long boring club meetings? Why not try gavel games. Gavel games are a creative, fun and exciting way to learn basic parliamentary procedure. Gavel games can be alternative to model meetings and everyone gets involved. This will be a "hands-on" workshop with fun in mind. *Tuesday and Thursday.*

**How to Make Juggling Easy** — Learn the basics easy of juggling. Techniques of juggling 3 and 4 balls, rings and clubs will be demonstrated. Each participant should bring three tennis balls. *Tuesday.*

**International Intrigue** — Travel Through 4-H — Travel quickly around the world through activities with former and current 4-H exchanges. See slides, play games from different countries, prepare and eat exotic foods and experience the challenge of communicating. *Wednesday.*

**Interview Survival Techniques** — Worried about job hunting? This class will give you some tips on how to survive interviews and knock the socks off your prospective employer. *Tuesday.*

**Intimate Relationships: Family, Dating and Sex** — Tony Jurich will explore with the group the nature of intimate relationships with the important people in their lives: parents, brothers and sisters, friends, boyfriends and girlfriends. *Tuesday and Thursday.*

**Introductory Flight Lesson in a Single Engined Cessna** — Thirty minutes of simple ground instruction to explain the basics of flying an airplane will start things off. This will be followed by sixty minutes of flight instruction in a four-seat airplane. Twenty of the sixty minutes will be spent in the front co-pilot seat actually flying the plane. \$7 additional class fee. *Tuesday and Thursday.*

**Is There Life After High School?** — Every day you make decisions which affect your employment and career future. Deciding what you'll do after graduation should begin long before that fateful day. This class will help you analyze your interest and your goals as well as show you how to prepare for a job search, interviews, applications and more. *Thursday.*

**4-H Night and the Movies** — This new activity combines movie videos and discussion about relationships with "significant others" to increase adolescent's self-esteem. Helpful discussions about printed materials, individual movies and basic "how to's" will be included in this overview. Participants will have a chance to practice techniques for sharing this project with others. FOR ADULTS ONLY. *Wednesday.*

**Learning Fun** — Ever wonder why some games go over at 4-H meetings and others don't? Fun games don't just happen — they need to be planned. Leading recreation requires learning skills in group dynamics. We'll learn about different kinds of recreation, why they are used and when to use them. We'll even develop a file box for participants to use in future recreation situations. *Tuesday.*



**Male and Female** — We'll explore contemporary ideas about masculinity and femininity. What are the "real" differences? We'll have a chance to use some questionnaires for measuring ones own gender ideas and characteristics. Discussion will emphasize new choices open to all of us in a culture that emphasizes equality. We'll also look at some implications for interacting with others of both sexes. *Tuesday.*

**People Helping People: Careers in Family Life and Community Services**

— If you enjoy working with people, then this class is for you. You'll be involved in an orientation to the college preparation necessary for jobs in the area of family life in community services. You'll also learn more about the various careers available when you spend a "day on the job" in a real agency organization that serves individuals and families in the Manhattan community. *Full option.*

**Public Speaking for Beginners** — Pick up some helpful hints on the art of public speaking. You'll have a chance to prepare and give different types of speeches. *Tuesday.*

**Relax** — Bring your own pillow, five 90 minute blank tapes, your tape recorder and learn the latest proven relaxation techniques. *Wednesday.*

**Stamp Collecting** — This class is for beginners and advanced collectors who want to learn stamp grading perforations and watermarks. Slide shows will be given and there will still be numerous "hands-on" stamp exercises. *Thursday.*

**Starting a Home Based Business** — This class explores what it takes to go into business and stay in business. *Tuesday and Thursday.*

**The Rent Event** — A learning package for older 4-H'ers to become acquainted with the costs, frustrations and satisfactions of renting the first place of their own. It consists of a game played by four people and a sixteen-minute slide set "The Miss Adventures of Hermy." Hermy is a stuffed house who does everything wrong. He even gets evicted for non-payment. *Wednesday.*

**Winning the Money Game** — What do you want your money to do for you — now, in a few months, in a few years? Since money is a basic tool for meeting needs and wants, it is important for young adults to be skilled in managing it. Students will start thinking about their own financial situations and spending habits and will be introduced to basic money management and financial planning concepts. *Tuesday and Thursday.*

**Working your way through at KSU Library** — Participants will learn about getting a job in a library and the benefits of that job experience. Numerous library staff members will take small groups to various areas of the library for hands-on sessions including working with automated systems. *Tuesday and Thursday.*

**Your First Go on Radio** — This is your chance to get a real taste of radio work. You'll be a reporter, an interviewer and an announcer. *Tuesday.*

## 1987 DISCOVERY DAYS REGISTRATION INSTRUCTIONS

EVERYONE — youth — adults (including agents) must register to get your name in the computer for Discovery Days lists and programs. Check with your county agent for your due date in your county.

### Class Registration Procedures

**YOUTH** — Discovery Days delegates must rank at least 12 choices in all *four* categories of classes — (1) Single, (2) Tuesday PM, (3) All of Wednesday, (4) Thursday AM, except State Scholarship Nominees make 12 choices each for Wednesday and Thursday AM classes only. State Awards Nominees make 12 choices for Tuesday PM and Thursday AM classes only. First-time Ambassadors make NO class choices. Have parent/guardian sign health treatment statement.

**ADULTS** — All adults must register and all should send \$10.00 non-refundable fee, except the \$10.00 fee is not required for those volunteers who do not pay DD fee or volunteer instructors who are teaching at least one-half time. If you are teaching, write "teaching" by that class. If you have some class time free, you can sign up for classes. Rank 12 choices in each category selected.

### Registration Fee

A \$10.00 check, made payable to the Kansas 4-H Foundation, must be sent to your County Extension Office with your registration.

### Health and Code of Conduct Form

County agents have copies of this form. You must fill it out and get parent/guardian signatures before DD. Return it to your County Extension Office. Your parent/guardian must also sign the health statement on your registration form.

### Definition of Classes

**SINGLE OPTION** — A nine-hour class. You will have only one class Tuesday PM, all day Wednesday, and Thursday AM.  
**TRIPLE OPTION** — You will have three classes — a 2½ hour class on Tuesday afternoon, an all-day class on Wednesday, and a 2½ hour class on Thursday morning.



## 1987 DISCOVERY DAYS REGISTRATION AND CLASS CHOICES ( \_ \_ \_ \_ )

(Discovery Days, First-Time Ambassadors, State Award Nominees, State Scholarship Nominees, and All Adults) PLEASE TYPE OR PRINT CLEARLY.

Name \_\_\_\_\_ Address \_\_\_\_\_  
 (First) (Last) (Street/Route/Box)

I would like to room with \_\_\_\_\_  
 (Area) (Phone)

County Where You Are a 4-H Member \_\_\_\_\_ Town \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Choose One of the Categories Below:

Youth Age _____	Sex _____					
DD Youth _____	First-Time Ambassador _____	State Award Nominee _____	State Scholarship Nominee _____	Adult Delegate _____	Agent _____	Volunteer Instructor _____
Ambassador Adult _____	Other Adult _____					

Employed Adults Address Only \_\_\_\_\_  
 Street/Route/Box \_\_\_\_\_ Town \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Work Phone (\_\_\_\_) \_\_\_\_\_  
 (Area) \_\_\_\_\_ Number \_\_\_\_\_

If possible, I prefer \_\_\_\_\_ Single, or \_\_\_\_\_ Triple Option Class Program.  
 (Check one)

### Single Classes (Full-Time Class) — You must rank 12 choices.

#### ANIMALS

\_\_\_ 1001 Beef Production  
 \_\_\_ 1002 Market Lamb

#### ARTS

\_\_\_ 1003 Creative Dramatics  
 \_\_\_ 1004 Leathercraft  
 \_\_\_ 1005 Sing out 4-H

\_\_\_ 1006 Stained Glass  
 \_\_\_ 1007 Toll Painting

#### MACHINES

\_\_\_ 1008 Microcomputers

#### OUTDOORS

\_\_\_ 1009 Fishing Kansas

\_\_\_ 1010 Taxidermy  
 \_\_\_ 1011 Wildlife Potpourri

#### TEXTILES & CLOTHING

\_\_\_ 1012 Sewing with Sergers

#### YOU & OTHER THINGS

\_\_\_ 1013 D-Days Newsletter  
 \_\_\_ 1014 People Helping People

\*\*This class meets on Tuesday and Thursday.  
 \*\*\*This class meets on Tuesday and Wednesday.  
 \*\*\*\*Adults Only.

### TUESDAY CLASSES — You must rank 12 choices.

#### ANIMALS

\_\_\_ 2001 Dairy Goat Care  
 \_\_\_ 2002 Exploring the Zoo  
 \_\_\_ 2003 Horse Judging  
 \_\_\_ 2004 Poultry Judging

#### ARTS

\_\_\_ 2005 Beginning Sketching  
 \_\_\_ 2006 Christmas Ornaments  
 \_\_\_ 2007 Clowning  
 \_\_\_ 2008 Constructing  
 Scrapbooks  
 \_\_\_ 2009 Create a Country  
 Basket  
 \_\_\_ 2010 Decorating Grapevine  
 Wreaths  
 \_\_\_ 2012 Intermediate Square  
 Dance  
 \_\_\_ 2013 Machine Embroidery  
 \_\_\_ 2014 Metal Punch  
 \_\_\_ 2015 Padded Photo Album  
 \_\_\_ 2016 Paper Puppets  
 \_\_\_ 2017 Wheatweaving I

#### FOODS & NUTRITION

\_\_\_ 2018 Cake Decorating I  
 \_\_\_ 2019 Eating Smart

\_\_\_ 2020 Health Kick  
 \_\_\_ 2021 Microwaving Breads

#### MACHINES

\_\_\_ 2022 Basic Computer  
 \_\_\_ 2023 Diesel Engine Testing  
 \_\_\_ 2024 \*\* Photo Journalism

#### OUTDOORS

\_\_\_ 2025 Advanced Riflery  
 \_\_\_ 2026 \*\*\* Bicycle Tour/Contest  
 \_\_\_ 2027 Fossil Forage  
 I Tried Scuba  
 \_\_\_ 2028 Slippery, Slimy, Wet  
 Intro to  
 \_\_\_ 2029 Basketball-Girls  
 Racquetball

#### PLANTS

\_\_\_ 2030  
 \_\_\_ 2031 Flower Power  
 \_\_\_ 2032 Horticulture Judging  
 \_\_\_ 2033 Prairie Wildflowers  
 \_\_\_ 2034 Propagating Plants

#### TEXTILES & CLOTHING

\_\_\_ 2035 Decorating Sweatshirts  
 \_\_\_ 2036 Designer Sweatshirts  
 \_\_\_ 2037 Padded Heart

\_\_\_ 2058 Print Your Sweat  
 Shirt/T-Shirt

\_\_\_ 2038 \*\*\*\* Serger Tech for  
 Leaders  
 \_\_\_ 2039 2 Hour Sweater

#### YOU & OTHER THINGS

\_\_\_ 2040 Agriculture  
 \_\_\_ 2041 Basic Wardrobe  
 \_\_\_ 2042 Commodity Marketing  
 \_\_\_ 2043 Completing Permanent  
 Record  
 \_\_\_ 2044 Everybody's Tomorrow  
 \_\_\_ 2045 Gavel Games  
 \_\_\_ 2046 How to Juggle  
 \_\_\_ 2047 Interview Survival  
 \_\_\_ 2048 Intimate Relationships  
 \_\_\_ 2049 Intro Flight Lesson  
 \_\_\_ 2050 Learning Fun  
 \_\_\_ 2051 Male and Female  
 \_\_\_ 2052 Public Speaking  
 \_\_\_ 2053 Starting a Business  
 \_\_\_ 2054 Winning the \$ Game  
 \_\_\_ 2055 Working Your Way  
 \_\_\_ 2056 Your First Go on Radio

## WEDNESDAY ALL-DAY CLASSES — YOU MUST RANK 12 CHOICES

### ANIMALS

- \_\_\_ 3002 Dog Care
- \_\_\_ 3003 Jump for Joy
- \_\_\_ 3004 Livestock Quiz Bowl

### ARTS

- \_\_\_ 3006 Beginning Brush Calligraphy
- \_\_\_ 3007 Brass and Copper Buckles
- \_\_\_ 3008 Cornhusk Wreath
- \_\_\_ 3009 Creative Crocheting
- \_\_\_ 3010 Creative Decorating
- \_\_\_ 3011 Beginning Square Dance
- \_\_\_ 3012 Swing Dance
- \_\_\_ 3013 Wheat Weaving II
- \_\_\_ 3014 Wood Carving

### FOODS & NUTRITION

- \_\_\_ 3015 Cake Decorating II
- \_\_\_ 3016 Bread Basics
- \_\_\_ 3017 Bread Specialties

### MACHINES

- \_\_\_ 3018 Beginning Darkroom
- \_\_\_ 3019 Computer Country
- \_\_\_ 3020 Electricity in the Home
- \_\_\_ 3021 Judging Photos
- \_\_\_ 3022 4-H Computer Contest
- \_\_\_ 3023 4-H Electrical Contest
- \_\_\_ 3024 4-H Small Engines Contest
- \_\_\_ 3025 Nuclear Reactor
- \_\_\_ 3026 Photo Walking Tour
- \_\_\_ 3027 Small Gas Engines

### OUTDOORS

- \_\_\_ 3028 Beginning Riflery
- \_\_\_ 3029 Backpacking
- \_\_\_ 3030 Basic Canoeing
- \_\_\_ 3031 Beginning Hackey Sack
- \_\_\_ 3032 Bird Watching
- \_\_\_ 3033 Bow Hunter Education
- \_\_\_ 3034 Shotgun Shooting
- \_\_\_ 3035 Soil and Water Conservation

- \_\_\_ 3036 Super-Duper Day Camp
- \_\_\_ 3037 Intro to Basketball-Boys
- \_\_\_ 3038 Land Judging

### PLANTS

- \_\_\_ 3039 Horticulture Research Farm
- \_\_\_ 3040 Seed Analysis
- \_\_\_ 3041 Through the Looking Glass

### TEXTILES & CLOTHING

- \_\_\_ 3042 Lace Net Darning
- \_\_\_ 3043 \*\*\*\* Sewing with Sergers — Leaders
- \_\_\_ 3044 Tatting

### YOU & OTHER THINGS

- \_\_\_ 3045 Babysitting
- \_\_\_ 3046 International Intrigue
- \_\_\_ 3047 4-H Night at the Movies
- \_\_\_ 3048 Relax
- \_\_\_ 3049 The Rent Event

## THURSDAY AM 2½ HOUR CLASSES — YOU MUST RANK 12 CHOICES

### ANIMALS

- \_\_\_ 4001 Basic Dog Care
- \_\_\_ 4002 Dairy Goat Care
- \_\_\_ 4003 Equine Sports Medicine
- \_\_\_ 4004 Exploring The Zoo
- \_\_\_ 4005 Lambing Clinic
- \_\_\_ 4006 Market Swine
- \_\_\_ 4007 Poultry Judging
- \_\_\_ 4008 Preventative Medicine in Sheep

### ARTS

- \_\_\_ 4009 Beginning Sketching
- \_\_\_ 4010 Clowning
- \_\_\_ 4011 Constructing Scrapbooks
- \_\_\_ 4012 Create a Country Basket
- \_\_\_ 4013 Decorating Grapevine Wreaths
- \_\_\_ 4014 Intermediate Square Dance
- \_\_\_ 4015 Machine Embroidery
- \_\_\_ 4016 Metal Punch
- \_\_\_ 4017 Paper Puppets
- \_\_\_ 4018 Perfumes and Potions

- \_\_\_ 4019 Wheatweaving I

### FOODS & NUTRITION

- \_\_\_ 4020 Cake Decorating I
- \_\_\_ 4021 Eating Smart
- \_\_\_ 4022 Health Kick
- \_\_\_ 4023 Microwaving Breads
- \_\_\_ 4024 May I Take Your Order?
- \_\_\_ 4025 Working at a Fast Foods Restaurant

### MACHINES

- \_\_\_ 4026 Basic Computer
- \_\_\_ 4027 Diesel Engine Testing

### OUTDOORS

- \_\_\_ 4028 Advanced Riflery
- \_\_\_ 4029 I Tried Scuba
- \_\_\_ 4030 Running
- \_\_\_ 4031 Intro to Basketball-Girls
- \_\_\_ 4032 Racquetball

### PLANTS

- \_\_\_ 4033 Developing Crop Varieties
- \_\_\_ 4034 Flower Power
- \_\_\_ 4035 Interpreting Nature

- \_\_\_ 4036 Plants in the Home
- \_\_\_ 4037 Propagating Plants

### TEXTILES & CLOTHING

- \_\_\_ 4038 Decorating Sweatshirts
- \_\_\_ 4055 Designer Sweatshirts
- \_\_\_ 4039 Padded Heart
- \_\_\_ 4040 Sweatshirt-Western
- \_\_\_ 4041 2 Hour Sweater

### YOU & OTHER THINGS

- \_\_\_ 4043 Basic Wardrobe
- \_\_\_ 4043 Completing National Report Form
- \_\_\_ 4044 Decision Making
- \_\_\_ 4045 Everybody's Tomorrow
- \_\_\_ 4046 Find it at K-State
- \_\_\_ 4047 Gavel Games
- \_\_\_ 4048 Intimate Relationships
- \_\_\_ 4049 Intro Flight Lesson
- \_\_\_ 4050 Is There Life After High School?
- \_\_\_ 4051 Stamp Collecting
- \_\_\_ 4052 Starting A Business
- \_\_\_ 4053 Winning the \$ Game
- \_\_\_ 4054 Working Your Way

#### Health Treatment Parental Statement:

I hereby give permission to the attending physician to hospitalize, secure proper treatment for, and to order injection, anesthesia, or surgery for my child, as named on the other side.

Signature of Parent/Guardian \_\_\_\_\_ Date \_\_\_\_\_, 1987

A more in-depth health record and code of conduct form is also required to be turned in at Discovery Days registration — so turn in this form to your County Extension Office before you go to Discovery Days.

Attach a \$10.00 non-refundable registration fee check, payable to the Kansas 4-H Foundation, with this form. Please send this form to your County Extension Office — not direct to the State 4-H Office.

\_\_\_\_\_  
County Agent Signature of Approval to Attend DD



## Walker Wins Tobe-Coburn Scholarship

It was 4-H to fashion for former Lyon County 4-H'er Julie Walker, winner of the Tobe-Coburn School for Fashion Careers' National 4-H Scholarship.

"Today, when I reflect back on those rich experiences (4-H activities) it seems only fitting that 4-H should now be playing a major role in determining the career path that I have chosen to follow (a fashion business career). I was surprised to find out that the Fashion School in New York in which I was interested would be coincidentally linked to 4-H through a scholarship. Consequently, my interest and confidence in this school grew greatly ... if 4-H had something to do with it, I couldn't go wrong," she said.

Walker, alumna of the Chamness 4-H Club, is the daughter of Eugene and Velma Walker of Emporia. She received \$3000 to attend Tobe-Coburn in New York in the fall of 1986.

The Tobe-Coburn School for Fashion Careers is the oldest school of its kind, specializing in preparing students for employment in the areas of retailing, manufacturing and communications. Tobe Collier Davis and Julia Coburn founded the school in 1937 based on a philosophy of excellence combining theoretical learning and practical applications.

To meet the eligibility criteria for the Tobe-Coburn 4-H scholarship, the applicant must have completed 30 hours at an accredited college or university and be a past 4-H member.



Walker (left) and Tobe-Coburn Director of Admissions, Bonnie Scheid, at the 1986 National 4-H Congress.

Walker attended Emporia State University for two years before applying for the scholarship. The basic marketing, economics and management courses she completed has helped her at Tobe-Coburn, she said.

"Take advantage of everything 4-H has to offer. Your projects may lead you to your future career," Walker said. "If someone would have told me I would have ended up studying in New York when I was in 4-H, I would have said ... no way.

"Leadership is very important. The confidence you gain from working on committees is invaluable, and you certainly need it here," she said.

The combination of experience Walker gained in completing her clothing construction, clothing carousel and fashion revue projects has helped her in her classes at Tobe-Coburn.

"Tobe-Coburn is looking for a mature individual who has not only been in 4-H, but has contributed leadership and community service," she said.

"I was an active 4-H'er, but I also provided leadership for the clothing carousel project. In addition, I helped do fashion shows and charities for businesses as an extension of my project work," Walker said.

Walker is taking classes like retail operations, manufacturing and communications and will graduate from Tobe-Coburn in June.

She said she's interested in the selling aspect as the first step in her fashion career. A careers clinic class helps place her in a job after graduation along with assisting her to develop a resume. "They won't let you leave here without a 'perfect' resume," she said.

# National Scholarship Winner

---

***“Take advantage of everything 4-H has to offer. Your projects may lead you to your future career.”***

---

Eventually, Walker would like to move into a fashions promotion career.

She said she is impressed with the school because she's in the heart of New York, and all of her instructors are in the industry so they know the designers and the industry. She likes the hands-on type of learning environment similar to the learning-by-doing techniques she learned in the 4-H program.

“The experience I'm gaining here is hard to get from a text book. You can't imagine it unless you actually see the buyers and watch them when they work ... it's incredible,” she said.

“The opportunity here is well worth the financial sacrifice. I can walk to the garment district to see what's going on ... while others studying in the same field somewhere else have to read about it in a book,” Walker said.

Living in New York has made Walker appreciate growing up in the Midwest because it teaches you to be a flexible and open-minded person which she said is important when dealing with all the different types of people in New York.

“There's less trust in people here simply because there are more people here. There are 7 million people trying to survive here. Visitors don't see the good. All they see is the dirt and trash, and they don't meet the good people.

“I'm glad I was born in Kansas because it teaches you a lot of values you never lose. I have a trust in people that those here don't know, and probably wouldn't gain if they were to move to a smaller town,” she said.

Walker said she would admit it's not for everyone. Some people couldn't handle New York or the fashion school because “they don't want it bad enough. The decision must be yours ... not your parents ... or your friends ... but yours ... you have to want it,” she said.

Before coming to New York, she received advice from people because they were scared for her, but Tobe-Coburn teaches “you to be street smart.” “You wouldn't walk down the street here the same way you would in Emporia, Kansas. You simply don't swing your purse and flaunt your jewelry.”

Walker advises those interested in a fashion business career to add experience in retail to the 4-H background. She said employers like people from small towns because they learn the importance of good customer service.

Before leaving for New York, she worked in a specialty shop in Emporia. After arriving in New York, Walker interviewed for a job at Saks and Company. She told the interviewer about her experience in 4-H and in the Emporia store. She stressed she learned the value of quality clothing and customer service, and he said that's exactly what they emphasize.

Walker was hired and worked part-time in the evening gown department. The job turned into Walker's internship over Thanksgiving when she worked full-time.

“I enjoyed the hectic pace of ‘Black Friday’ (the day after Thanksgiving which is the biggest shopping day of the year).”

Walker's confidence and determination shines through as she states her long-term goal of going to Paris. “Once you get the experience, you can handle it anywhere,” she said.



Walker works in the evening gown department at Saks and Company.

# 4-H'ers compete in National History Day

By: Star Hildenbrand  
Reno County

"To make the best better," the motto of 4-H, has many applications in the life of a 4-H'er besides helping him win ribbons on a 4-H project.

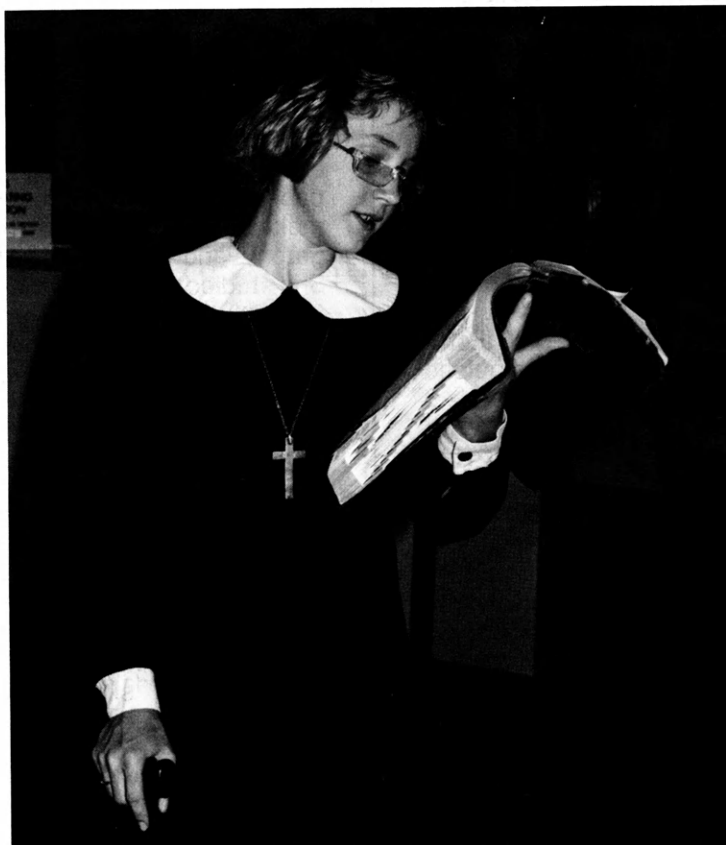
Three Reno County 4-H'ers, Angela Rocco, Caisha Williams and Carrick Williams, members of the Union Valley 4-H Club realize the influence 4-H has had on their lives as they used the skills they gained in 4-H while competing in the 1986 National History Day contest. All three earned ratings which took them beyond the regional contest, to both state and national level competitions. All three won superior ratings in the national contest. Coincidence? Probably not.

National History Day is a non-school sponsored event which encourages youth to engage in historical research. A student's efforts are judged for: historical quality, quality of presentation, and adherence to the theme and rules. Primary source research is suggested to help history come alive. "Conflicts and Compromises" was the 1986 theme contestants stressed in their areas of study.

"4-H gives you the courage to compete in such contests," Rocco said. She said she felt



Carrick Williams gave his slideshow entry, "From Bullets to Ballots," to an audience at the Hutchinson Library.



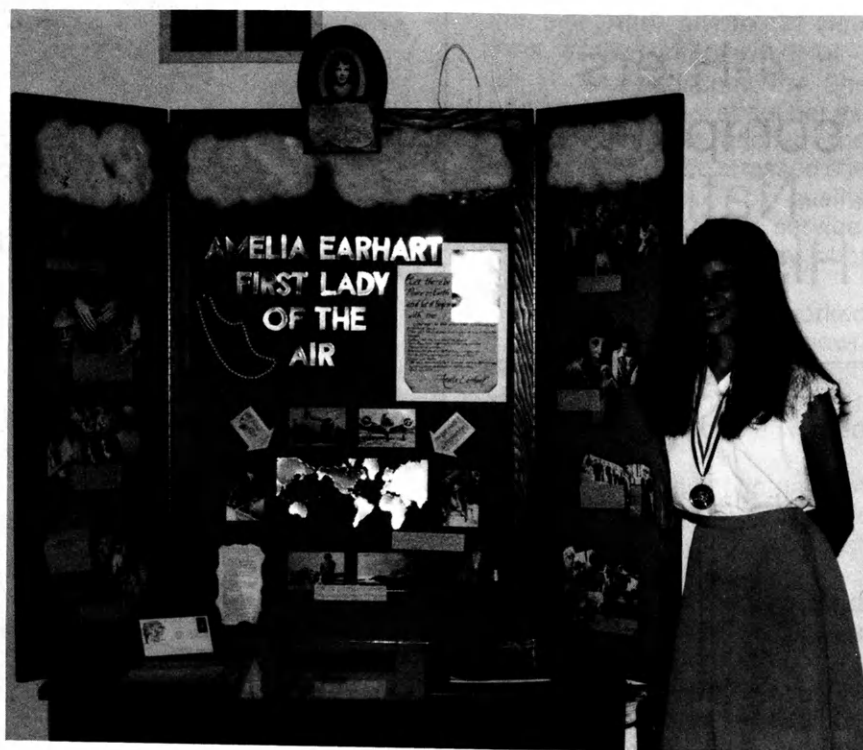
Caisha Williams acts out her performance entry, "Marien with an E," about Marien Holbert, Methodist woman minister.

**"4-H gives you the courage to compete in such contests."**

**Rocco**

writing 4-H summary stories helped her in writing a two-page report of her research process, and the experience of giving 4-H talks aided Rocco as she interviewed three people about Amelia Earhardt. She also said she enjoyed preparing a display on Earhardt in the individual project division, using materials available at the Kansas State Historical Society, the Hutchinson Public Library and the Atchinson Museum and Atchinson Public Library. After doing photo copy work to reproduce pictures from the biography "Pilot in Pearls," Rocco now wishes to pursue photography as a 4-H project.

Seventh grader, Caisha Williams found 4-H talks helped her tackle the history day project in the performance area. Her research featured a local Hutchinson resident, Marien Holbert, who served as one of the first women in Methodist ministry, a woman who has now ministered for almost 50 years. Caisah said her nine-minute presentation was like a 4-H talk, except that it wasn't cooking or sewing. She also found 4-H talks given to a variety of audiences helped prepare her to give her presentation to many local audiences, at the regional contest in Newton, the state contest in Abilene and the national contest in Washington, D.C.



Angela Rocco wears the medal she won after many hours researching for her display, "Amelia Earhardt: First Lady of the Air."

After learning interview techniques, Caisha's research included: making taped interviews of Marien Holbert, writing a brief paper describing her research, making an annotated bibliography and writing her script. She studied minutes of the 1939 Nebraska Wesleyan University's annual conference and several books written about women ministers.

Carrick Williams entered National History Day in 1986 as an eighth grader. This was his second year of entering the contest in the media division. Both years Carrick utilized his 4-H photography skills, this time as he researched the Kansas-Nebraska Act with a 66-frame two projector slide program. Carrick developed his own slides, learned how to "dub in" sound, worked with a wide angle lens, close-up rings and copystand in taking pictures from books and newspaper articles.

Carrick's slideshow "From Bullets to Ballots" involved

researching both sides of the free versus slave state issue. Carrick studied seven years of letters sent between free-stater and Kansas Territory resident John Edwards to his family back east. After researching journals and documents, Carrick made overhead transparencies for several slides like a title slide.

Carrick said he felt his 4-H work has helped him stay with his history day project. Setting up 4-H talks enabled him to set up his slide show presentation within the five-minute deadline. In return, National History Day provided focus for his photography project.

All three Reno County 4-H'ers credit 4-H as directly providing them with the self-confidence, leadership and background skills necessary to become competitors on the national level at National History Day. What better testimonial for the 4-H motto ... "To Make the Best Better" ... could there be?

# Ultrasound Measurements

## Live Carcass Evaluation Possible

By: Shelly Chenoweth

Kansas 4-H'ers in market animal projects have the opportunity to experience something probably no other 4-H'er in the United States can.

They can see video pictures of their animal's loin eye area and backfat coverage before the animal is slaughtered. By using a program offered by the Kansas State University Extension Animal Science Service, 4-H'ers can have access to ultrasound equipment at their county fair.

Ultrasound is based on the principle of high frequency sound waves penetrating soft tissue (muscle and skin) and being reflected back to a device that picks up the sound waves. The animal feels absolutely no pain in this process.

Lydia Turlington, a graduate student at K-State, began traveling to county fairs around Kansas in the summer of 1985 to take ultrasound measurements on the 4-H projects. With the ultrasound equipment, she can measure the loin-eye area and backfat thickness on hogs and sheep, and the backfat thickness on steers.

These measurements can be useful to the 4-H'ers, according to Dr. Larry Corah, beef Extension specialist at K-State.

"Ultrasound measuring offers the 4-H kids a unique experience.

It allows them to get the full educational value out of the 4-H market animal project," Corah said.

Corah said the youngsters realize the purpose of market animals is to supply red meat to society, but often they have no way to detect the fat cover and loin-eye area until after the animal is slaughtered. Corah said as far as he knows, K-State is the only school offering a service of this type to 4-H'ers.

"Using ultrasound can give the 4-H'ers an awareness of carcass traits. The experience of working with a live animal is important, but it is a market animal, and the measurements allow the kids to compare live visual analysis and carcass traits. It allows them to get a better feel for the industry," Turlington said.

Debbie Lyons, a 4-H'er from Riley County said that ultrasound is a good idea.

"Ultrasound is really good for counties that don't have carcass information available on the animals. It can explain to a new 4-H'er what he is looking for in an animal," Lyons said.

When taking the ultrasound measurement, the animal is first confined. Turlington said she prefers not to have to snare the hog, just to keep it corraled in a small area. The sheep and steers can be held or put in a chute.

She then puts mineral oil on the back of the animal. The oil helps conduct the sound waves through the tissue. The oil is applied between the 10th and 11th ribs of the hogs and between the last two ribs on steers and sheep.

Turlington said the next step is to lay the transducer, the piece of equipment that sends and receives the soundwaves, over the spot where the oil was applied. The transducer contains crystals that transfer electric pulses to ultrasound waves and then receives them again, changing the soundwaves back into electrical pulses.

The image that the transducer picks up is projected to a screen on the ultrasound equipment, and Turlington also hooks a video recorder to the equipment. Through the video recorder, the image is projected onto a television screen. Turlington can trace the image from the T.V. screen, and use an instrument called a planimeter to measure the loin-eye area in square inches. There is a measuring device on the ultrasound equipment to measure the backfat thickness.

This information is available to the 4-H'er a few hours after it is taken. Turlington said the information can be used in a number of ways. The majority of the counties send the information to the kids after the fair is over, and then hold a meeting to discuss the meaning of the figures. At other counties the audience and the judge have the information during the live evaluation. This is not really ideal, Turlington said, because the judge can place too much emphasis on the data and not take the live appearance into consideration. Just how the information is handled is left up to each county agent.

Riley County is one of the Kansas counties which has used

## Feature

(cont. from page 21)

ultrasound at its county fair both years it has been available. Mike Christian, Riley County extension agriculture agent, said ultrasound offers the 4-H'ers a broader perspective of the animal.

"We try to teach the kids livestock judging. We try to teach where width is needed, where depth is needed. Ultrasound reaffirms why we want that width across the top and the kids can see what's really inside the animal," Christian said.

These ultrasound measurements offer a valuable alternative to carcass evaluation, Corah said. He said there is the possibility that ultrasound may be even more accurate than the carcass measurements after slaughter. Hide-pullers are used on the slaughtered animals to remove the hide and often fat is also removed. This makes it hard to tell the exact fat thickness. Corah also said because the carcasses are hung, the loin could stretch, distorting the actual loin-eye size.

Ultrasound is becoming more widely used in many areas of animal evaluation. Corah and Turlington said they plan to continue its use at county fairs in future years. If you are interested in having Turlington come to your county fair, talk to your county agent about contacting Turlington or Corah at the Animal Science Department, Kansas State University, Manhattan, Kansas 66502. (913) 532-6131.

## Editor's Note:

Shelly Chenoweth, author of the Ultrasound Measurements article, is a recent Journalism and Mass Communications graduate from Kansas State University and an alumna of the Macon Happy Hour 4-H club in Harvey County. She was an active member for 11 years and is a key award winner.

Chenoweth is employed by Sosland Publishing in Shawnee Mission. She is the assistant editor of two international magazines; World Grain and Agri-Business Worldwide.

She resides in Gladstone, Mo. with her husband Clay.



## KJLA Show Rule Changes

The Board of Directors for the Kansas Junior Livestock Show plans to implement major changes in the 1987 show, Sept. 25-28 in Wichita.

The rule changes include: the number of animals making the "Sale of Champions" will be two animals per class or 97 animals total; the "Sale of Champions" will be a terminal sale; all animals making the premium sale must be processed and those "processed for home use" must go to a local processor designated by the show; all entry fees will be increased by \$4 which brings the registration fee to \$10 per head; and two sheep judges will be used for the 1987 show.

## "4-H IS STILL SOMETHING TO SING ABOUT."

"4-H really did good things for me. It taught me skills that helped me gain a sense of responsibility. And it was fun! I used to sing in the 4-H Share the Fun Festivals. Getting on stage and singing before groups of people helped me gain self-confidence. It was so exciting."

JOIN TODAY



Contact Your  
County Extension  
Office



**Reba McEntire**  
Country Music  
Female Vocalist of the Year  
Oklahoma  
4-H Alumna

## New Publication

# Horse Feeding Management

There are very important differences between the innards of a horse and cow that horse owners need to know about if they want to avoid severe digestive disorders or death in one of America's favorite companion animals.

A new Extension Publication authored by Pete Gibbs, Extension horse specialist at Kansas State University, says those critical differences include a one-way digestive system that prevents a horse from belching gases and the arrangement of the horse's digestive tract (non-ruminant) that can hold only about half as much feed as a cow of similar weight.

"Feeding Management Points for Horseowners" contains 20 feeding management points from Gibbs, ranging from the reason

horses need to be provided top quality roughage to the need for exercise.

Gibbs hits some of the common traps that horse owners get themselves into. One, for example, is that although the most popular feed measuring container is a coffee can. It can quickly get a horse into trouble if its owner shifts from oats to corn.

"A horse owner should feed by weight, not volume," explains Gibbs, "because a gallon of oats weighs three pounds while a gallon of corn weighs five. Yet, on an equal weight basis, corn supplies almost 15 percent more energy. That means if a gallon of corn were substituted via that coffee can measurer for a gallon of oats, the horse would be receiving over two times as much energy. As a result, many

colic and founder problems are caused by poor feeding management rather than by poor feed sources."

Another warning from the Extension horse specialist in this new publication is that ground feeding should be avoided, especially in drylots or stalls. Also, hay that looks or smells even the least bit moldy should never be fed. Or, fescue should be avoided at least 90 days prior to the expected foaling date and all rations should contain more calcium than phosphorus.

Those are but a sample of the timely feeding management points Gibbs supplies in this new Kansas publication which can be as useful to a 4-H'er with a large number of horses as well as it can be to one with a single horse.

## First Aid Training Offered

Emily Kling, Extension Specialist, 4-H — Youth Programs, is available to teach a standard first aid course to groups.

A first aid instructor since 1970, Kling has had lots of experience in working with people who want to learn more about procedures to treat such injuries as wounds and bleeding, burns, head and internal injuries, or ways to deal with heat and cold, emergency transportation and much more.

After completing the course and a test, you'll receive a Red Cross certificate.

Cost is \$3 each. Arrangements can be made through your county Extension office.

75th



### Wanted!

75th

The planning committee for the 75th state fair activities is looking for 4-H uniforms. The group is planning a display which will be watched by state fair security. Items needed include: solid green uniforms, green and white seersucker dresses and other 4-H memorabilia. If you have any of these items, please contact your local Extension office or the state 4-H office.



75th



75th

# Don't wait ... Join Anytime After 7th Birthday

This is Heather Shay's second year as a 4-H member. Really, it will be her first full year of membership although she has been going to 4-H meetings for quite awhile.

Shay, the 7-year-old daughter of Frank and Jane Shay, is a member of the Sunflower Go-Getters 4-H Club which meets in Fredonia. Her older brother, Trenton, has been a 4-H member and so it was just natural for Shay to go along for meetings and other 4-H events. As she was too young to join officially, the other members of the club began referring to her as an "honorary member" or sometimes as an "onry" member. By any means, she was made to feel a part of the group.

Shay did get to become a member sooner than she thought. To become a 4-H member, one must be seven years old and her birthday was coming up in January. However, she didn't realize that she could

join anytime after that 7th birthday and not have to wait until the new 4-H year began in October. Cassandra Elsworth, the 4-H Assistant, was visiting the club for that January meeting and during songs, they sang "Happy Birthday" to her. Just out of curiosity, she asked Shay how old she would be and she replied, "Seven." Well, that started the wheels to rolling. "You are going to join 4-H aren't you?" Shay replied that she would have to wait until October. With Mom and community leaders standing close by, she was assured that "no" she did not have to wait until October and that she could become a member in just a very few days.

Shay's 4-H career hasn't changed a lot but it has changed some. She still goes to the meetings, but now she is the club's song leader. She says she's a little bit bashful, but it doesn't bother her much to get up in front of her friends.

She has also learned how to get up in front of the club and give a project talk. She was taking horse and swine for projects so it was easy for her to get up and tell about the equipment that she uses to help her care for and train her livestock.

She's energetic, liking to clean out the barns at the end of the fair, liking some of the busy work that comes with 4-H in completing out the record book at the end of the year and loves recreation at the meetings. Like any seven-year-old, she doesn't particularly care for the business part of the meetings, but sits through it well as she knows it is necessary for the club members to make decisions on matters of importance and programs of interest.

"4-H seemed so fun to all the other kids at the meeting so I wanted to try it for myself," Shay said. And, she would like to say to other kids, "They'd like it, too, if they'd just try it."

## Take Note ...

### 4-H Electronics Clinic

Due to a special Kansas 4-H Foundation grant, this year there will be the first 4-H Electronics Clinic at the Junior Community College in Hutchinson, on April 3-4. The clinic is designed for adult leaders only. The program is new, will feature in-depth training on 4-H electronics and will be a unique opportunity for training.

### IFYE Feast

Potluck Dinner  
Noon  
March 21  
Rock Springs Ranch  
— All Invited —

Contact: Lois Redman  
State 4-H office  
(913) 532-5800

### Photography Clinic

April 25-26  
Leaders and Jr. Leaders 13  
and older  
Hands-on experience  
New photography manuals

### Horseman's Conference Horse Panorama

Conference:  
KSU, March 14  
Panorama:  
Rock Springs Ranch  
March 15

CONTACT YOUR COUNTY EXTENSION OFFICE FOR MORE DETAILS



## Scholarships ...

# Shooting Sports Leader Training

The William M. McDonald Memorial Camper Fund for Rock Springs will provide \$20 partial scholarships to the first 50 volunteer leaders who register for the 1987 Shooting Sports Leader Training Workshop.

The scholarship fund is made available by the William M. McDonald family and the Kansas 4-H Foundation. McDonald was active in farming, civic activities and was chairman of the board of trustees for the Kansas 4-H Foundation prior to his death.

The seminar is scheduled for May 1-3 at Rock Springs Ranch, and although the workshop is free, there is a \$50 charge to cover room, board and refreshments.

Participation is limited to adult leaders exclusively for the only Shooting Sports workshop scheduled in 1987.

Participants will receive 4-H and National Rifle Association Instructor Certification. The classes offered include: air rifle, air pistol, archery, black powder rifle, county coordinator training, shotgun and hunting techniques (different from the hunter safety course).

County teams and counties not yet in the shooting sports program should send a county coordinator and an instructor for one or two disciplines. Counties already in the program can send instructors for any of the disciplines, and new county coordinators may also be trained.

Contact your county Extension office for more details and registration information. Registration forms are due in the state 4-H office on April 1.



## Worlds of Fun

# Club Chorus Performs in 4-H Showcase



by: Shannah Alloway  
Riley County

Cico Shamrocks club chorus performs, "Alice in Wonderland."

After many months of hard work and performing for many organizations, the club chorus of the Cico Shamrocks was invited to participate in the Worlds of Fun 4-H Showcase.

"I think it was a big honor for our chorus to be chosen to go," club member Amy Ecklund said.

The chorus formed in January 1986 under the direction of Lori Zoellner. She decided to have the chorus sing selections from the children's musical, "Alice in Wonderland."

"She thought the songs would be fun for the kids to perform," Cindy Casper, community leader, said.

Zoellner also decided to spice up the performance by having main characters, section solos and costumes worn by the singers. The costumes for Alice, the king and the rabbit were made by the members. The queen's costume was borrowed

from one of Zoellner's friends who had been the queen in the same musical many years before. The rest of the chorus wore playing cards which were made by the club's junior leaders.

The chorus was selected to go to Worlds of Fun after participating in the 4-H Showcase at the state fair. Marcia McFarland, Extension Specialist for 4-H and Youth Programs, submitted the group to be considered for participation during the Worlds of Fun 4-H Weekend.

The chorus members and some of their parents drove down to Worlds of Fun, and it rained on them the whole trip. The group performed in the Moulon Rouge building.

"I think it would have been better if we could have been outside," Ecklund said.

The rain didn't dampen member Stephanie Schwenk's

enthusiasm. "I was kind of glad it rained because there weren't any long lines for the rides," she said. After performing, the members spent the afternoon riding rides.

"I think the only drawback to the trip was the amount of time it took to organize and the bad weather," Casper said.

Lydia Chang took over directing the chorus when Zoellner went to college. "It was neat to see the chorus sing. It gave me a good feeling to watch the kids perform," she said.

Chang and Casper are already planning for next year. Casper said she would like to involve the new and younger members and also get more junior leaders to help direct the chorus. Chang wants the group to work together as a group and get to know each other better, she said.

Aaron Watson summed up the trip for all by saying, "I had fun."

# 1987 Kansas State Fair

## Showcase of Stars

Showcase 1987 will provide members the opportunity to display and enhance their talents in the performing arts at the Kansas State Fair.

"Showcase provides 4-H'ers an opportunity to use a microphone and perform before a unique kind of audience," said Marcial McFarland, State 4-H and Youth Programs specialist and Showcase coordinator.

The program is designed to be a learning experience so there is no qualifying contest to be able to perform at the state fair.

All ages are welcome to participate on an indoor stage in acts such as: vocal and instrumental groups, dancers, soloists, magicians, skits, readings, ventriloquists, puppet shows, aerobics, dramatics and bands.

Adult and junior leader volunteers are needed as the stage crew to help things run smoothly and to MC the performance.

Contact your county Extension office concerning county eligibility requirements.

To register as a volunteer or participant, return the registration form to:

Marcia McFarland  
209 Umberger Hall  
Kansas State University  
Manhattan, KS 66506

County \_\_\_\_\_

Phone \_\_\_\_\_

Address \_\_\_\_\_

Volunteer status \_\_\_\_\_

Act description \_\_\_\_\_



# Worlds of Fun

## Spring 4-H Special Day

### Saturday, April 11, 1987



### Attention 4-H Members!

Share the excitement on April 11, 1987 with a Spring 4-H Special Day at Worlds of Fun! **Passports are only \$9.50 (tax included) each, a tremendous savings on the regular gate admission of \$15.95 (plus tax) each.** Bring your friends and enjoy over 115 rides, shows and attractions that Worlds of Fun has to offer, all for just \$9.50 (tax included).

### 4-H SPECIAL DAY, APRIL 11, 1987

**DEADLINE: April 3, 1987**

Group Name \_\_\_\_\_ Your Name \_\_\_\_\_

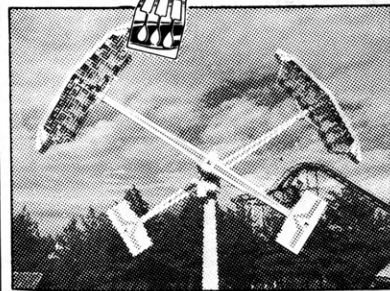
Street Address \_\_\_\_\_ # Passports @ \$9.50 \$ \_\_\_\_\_

City/State/Zip \_\_\_\_\_ Handling \$ 1.00

Group Phone \_\_\_\_\_ Total \$ \_\_\_\_\_

Your Phone \_\_\_\_\_

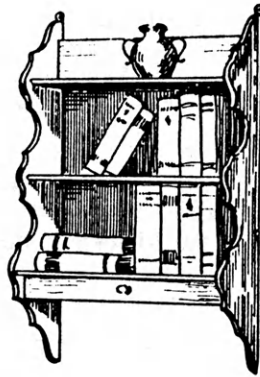
**Any Passports purchased after the April 3rd deadline will be \$10.50 each.** Return this order form with check or money order payable to Worlds of Fun by April 3, 1987. Send to Worlds of Fun, 4545 Worlds of Fun Avenue, Kansas City, Missouri 64161. Passports will be returned by mail. For more information or flyers, call (816) 454-4545 Ext. 222.



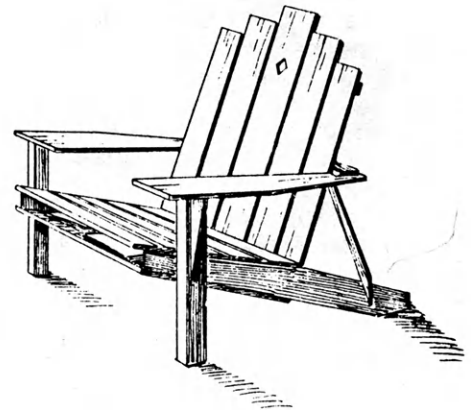
# Free!

## 4-H Woodworking Plans from YOUR PARTICIPATING LUMBER DEALER

These plans  
are available:



Wall Book Shelf



Patio Chair

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

**AMERICUS**  
Americus Building Materials

**ASHLAND**  
Don Spotts Lumber Company

**ATCHISON**  
Beverly Lumber Co., Inc.

**BELLEVILLE**  
Belleville Lumber & Coal

**BELOIT**  
Peoples Lumber Co.

**BLUE RAPIDS**  
Blue Rapids Lumber Company

**CLAY CENTER**  
Fullington's

**CONCORDIA**  
Mid-West Lumber Company

**EL DORADO**  
Home Lumber & Supply Co.

**EMPORIA**  
Americus Building Materials  
Fleming Lumber & Material Co.  
Mark II Lumber

**ERIE**  
Johnson & Son Lumber Co.

**EUREKA**  
Home Lumber & Supply Co.

**FREDONIA**  
Schoolcraft Lumber Co.

**GALVA**  
Galva Lumber, Inc.

**GARDEN CITY**  
Fankhauser, Inc.

**GREAT BEND**  
Everitt Lumber Co., Inc.

**HUTCHINSON**  
Kightlinger's

**INDEPENDENCE**  
Sandott Sentry Home Center

**IOLA**  
Klein Lumber Company

**JOHNSON**  
Seyb-Tucker Lumber and  
Implement Company

**JUNCTION CITY**  
Builders Lumber, Inc.

**LaHARPE**  
Diebolt Lumber and Supply

**LANSING**  
Lansing Lumber, Inc.

**LARNED**  
T.M. Deal Lumber Co.

**MANHATTAN**  
Cash Lumber & Hardware

**MANKATO**  
Mid-West Lumber Company

**NEWTON**  
Claassen Hardware &  
Lumber Co.

**NICKERSON**  
The Home Lumber &  
Supply Co.

**NORTONVILLE**  
Nortonville Lumber, Inc.

**OFFERLE**  
Offerle Co-op Grain &  
Supply Co.

**OTTAWA**  
Hubbard Lumber  
Company, Inc.  
Ottawa Lumber Co.

**PARSONS**  
Woods-Seward Lumber Co.

**PITTSBURG**  
Broadway Lumber Co., Inc.

**PRATT**  
W.R. Green Lumber, Inc.

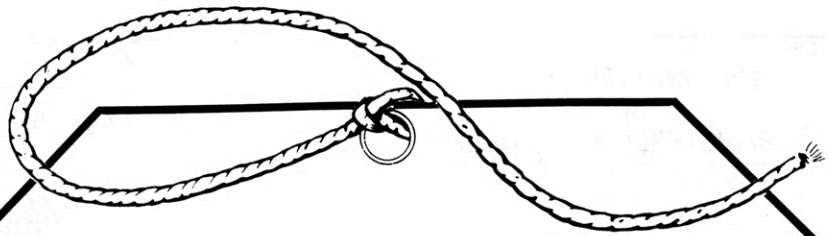
**RUSSELL**  
Schwaller Lumber

**SALINA**  
Easterday-Boster Lumber Co.

**SCOTT CITY**  
Stephens Lumber Company

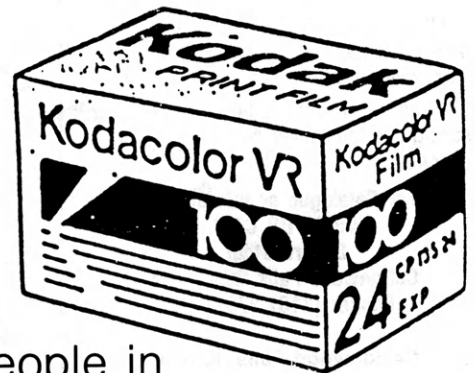
**Woodworking Plans Available:**

- Accent Table
- Bicycle Parking Rack
- Bluebird House
- Boot Jack
- Bulletin Board
- Car Creeper
- Chain-Saw Box
- Cherry Wood Cabinet
- Child's Toy Wagon
- Computer Desk
- Deacon's Bench
- Dog House
- Dresser Valet Easel
- Martin Bird House
- Night Stand
- Novelty Rocking Horse
- Patio Chair
- Pedestal Desk
- Pet Food Bin
- Plant Stand
- Porch Swing
- Redwood Cart
- Roll Top Desk
- Rolling Pin
- Stereo Case
- Tool Box
- Towel Storage Rack
- Wall Book Shelf
- Walnut Headboard
- Wooden Stool
- Wren House



# \$ 4 - YOU

- *If I will give you 26 rolls of Kodak film ...*
- *Would you donate \$4.95 to your organization?*



• If YOU would, and think the people in your community would, you have just found a dynamic, new fund-raising resource offered for the first time in Kansas.

*It's a snap ...*

raise money for your club, school, church civic organizations, etc. ...

ST. JOHN  
English Lumber & Supply Co., Inc.

SYRACUSE  
Hess Lumber Co.

TOPEKA  
Whelan's Inc.

ULYSSES  
Sunflower Lumber Co., Inc.

WILSON  
Hoch Lumber Company

WINFIELD  
A.B. Everly Lumber Co., Inc.  
Everitt Lumber Co., Inc.

WRIGHT  
Right Co-op Assn.

ZENDA  
Farmers & Builders Lumber Co.

Club or Organization \_\_\_\_\_

Contact Person \_\_\_\_\_ Phone \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

Zip \_\_\_\_\_ Start Date for Fund Raising \_\_\_\_\_

Amount Needed \_\_\_\_\_ Number in Group \_\_\_\_\_

**FOR MORE INFORMATION:**

Return the above form to CARR ENTERPRISES, P.O. Box 1453, Manhattan, Kansas 66502. (913) 537-4907.

**23rd ANNUAL SALE  
of  
TS REGISTERED HEREFORDS  
& QUARTER HORSES**

at the Ranch  
6 miles South of Cottonwood Falls, KS  
on Hiway 177,  
then 1/2 mile East and 1/2 mile South  
**SATURDAY, MARCH 14, 1987**  
at 12:30 p.m.

— SELLING —

15 registered Quarter Horses  
(1985 & 1986 foals)

Some good 4-H project possibilities ...  
12 of these sired by our son of Zan Parr  
Bar, Zans Rawhide, who sired 1986 Hi-  
point Buckskin 2-yr-old Mare in K.B.H.A.  
and also A.B.R.A. Was purchased as filly  
in our 1985 sale and shown by the Tom  
Miller family, Emporia, Kansas.

40 serviceable-aged Hereford bulls — Per-  
formance tested on range conditions.

35 2-yr-old Hereford heifers, bred for  
spring and fall calves. Will be pregnancy  
checked.

For Catalogue or Information

WRITE OR CALL:

Elmore Stout,

Cottonwood Falls, KS 66845

Phone: (316) 273-6906

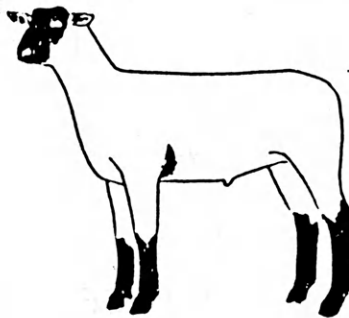
Cottonwood Falls, Kansas

ELMORE & DORIS STOUT

(316) 273-6906

**SOUTHWIND INVITATIONAL CLUB  
LAMB SALE**

**Sunday, April 26, 1987**  
**2 P.M. - Franklin County Fairgrounds**  
**Ottawa, Kansas**



OTTAWA

Catalog:

J&R Compton

Rt. 4, Box 79

Ottawa, KS 66067

(913) 255-4532

**GELBIEH-QUALITY**

Excellent Club Calf Prospects  
Purebred and Percentage

**MIKRON RANCH**

Rt. 5, Box 152 (913) 776-7549  
Manhattan, KS 66502 (913) 537-9598

**WALDO FARMS**

91 years continuous genetic improvement  
49 years production testing

Durocs World's Largest Selection  
Landrace Whiteline Yorkshire Blackline

Nation's Duroc Top Market Show  
Winner Past 4 Years

DeWitt, Neb. 68341 (402) 683-5225

**SALT HAWK DAIRY GOATS**

NUBIANS \* Registered \* TOGGENBURGS

Estes & Virginia Robinson

1606 E. 95th - (316) 662-2582

Hutchinson, KS 67502

'83-'86 KS State Fair Premier Breeder & Exhibitor

Select your 4-H project from a winning herd!

DHIR \* Permanent Champions \* AI

GRASS

& GRAIN

A farmer's newsweekly  
published each Tuesday

Complete Agriculture News  
& Advertising;  
Featuring 4-H Stories & Photos

Call or write today:

Box 1009, Manhattan, KS 66502

(913) 539-7558

**Money For Your Treasury**

OVER 2 MILLION  
Sunflower Dishcloths



WERE SOLD LAST YEAR BY MEMBERS OF  
GROUPS, SOCIETIES, CLUBS, ETC.

THEY ENABLE YOU TO EARN MONEY FOR  
YOUR TREASURY AND MAKE FRIENDS FOR  
YOUR ORGANIZATION.

Sample FREE to Official.

SANGAMON MILLS, INC., Cohoes, N.Y. 12047

KJ

Established 1915



**TS HEREFORDS &  
QUARTER HORSES**

Cottonwood Falls, Kansas

ELMORE & DORIS STOUT

316-273-6906

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

**Kansas Savings and Loan**

**Fort Scott**

Liberty Savings & Loan  
Assn.

**Garnett**

The Garnett Savings &  
Loan Assn.

**Hutchinson**

Valley Federal Savings  
& Loan Assn.

**Leavenworth**

Citizens Mutual Savings  
& Loan Assn.

**Lyons**

Lyons Savings &  
Loan Assn.

**Manhattan**

Manhattan Federal Savings  
& Loan Assn.

**Medicine Lodge**

The Barber County  
Savings & Loan Assn.

**Plainville and Stockton**

Rooks County Savings  
Assn.

**Collingwood**  
GRAIN INC.

Serving Kansas

Since 1890

Country Elevators  
and Terminals

**Capitol  
Federal  
Savings**



TOPEKA  
GREATER KANSAS CITY  
MANHATTAN LAWRENCE OLATHE  
EMPORIA SALINA WICHITA



**CONSOLIDATED**  
Printing & Stationery  
SALINA, KANSAS

**1-800-432-0266**

- ★ 4-Color Printers
- ★ Black & White and Letterpress
- ★ Authorized Minolta Copier Dealer
- ★ Office Supplies
- ★ Furniture
- ★ Scriptomatic Addressing Machines

**SERVING ALL OF KANSAS**  
For All Of Your  
Office & Printing Needs!

**BUY,  
BUILD,  
SAVE WITH US**

- Competitive rates on savings and loans
- High-yielding C.D.'s
- 17 offices statewide



# KANSAS FARM BUREAU CITIZENSHIP SEMINAR

Rock Springs Ranch June 2-6, 1987  
featuring the celebration of the Bicentennial of  
the U.S. Constitution



JOIN US FOR...  
CITIZENSHIP  
LEADERSHIP  
FRIENDSHIP  
RECREATION  
FUN

Three days of intensive sessions will be offered stressing our American heritage, re-emphasizing the basic principles upon which our country was founded and developing leadership and self-esteem.

Conferees must be entering the 11th or 12th grade in September 1987. For further information contact your county Farm Bureau.  
ENTRY DEADLINE: May 1, 1987.



## Farm Bureau

2321 Anderson  
Manhattan, Kansas 66502  
(913) 537-2261

## McPherson County Ambassadors

Non-Profit Organization  
U.S. Postage  
**PAID**  
Permit No. 86  
Salina, Kansas

# Youth Camp Celebrates Kansas' Birthday

McPherson County 4-H Ambassadors, Kim Fuller and Mandy Smith, organized a day camp for youths, ages 7 to 11, to celebrate the theme of "Flying High for Kansas' Birthday."

Fuller and Smith promoted their camp by doing a five-minute radio spot and enlisting the help of 4-H Council members to deliver the registration forms to the six school districts.

Seventy children participated in the Day Camp that was held in the 4-H Building on Saturday, January 10, from 10:30-2:00 p.m. The Junior Leaders volunteered to be counselors to help the campers do their crafts and keep the day running smoothly.

The youth could choose two crafts to complete. The most popular craft options included dough art and making their own crayola design on t-shirts. The

other options that they could choose from were making a "seedy" sunflower or a yarn buffalo picture.

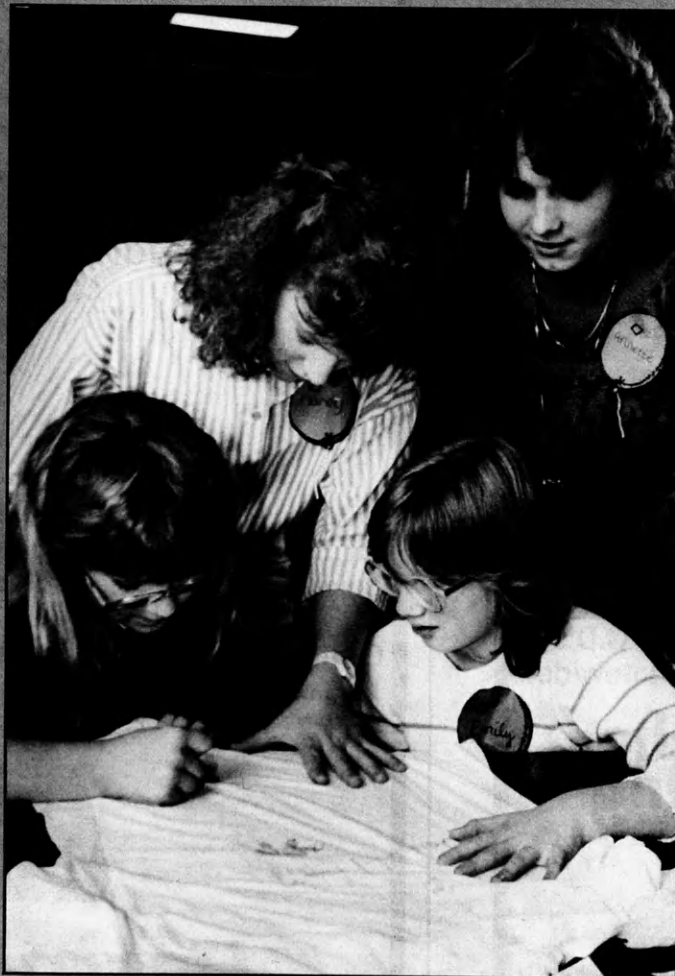
The campers were served lunch and the Ambassadors educated the youths on the 4-H program and its events. This talk proved to be the calm before the storm.

The afternoon began with the campers dividing into groups of three to roll the tin cans around to make ice cream to go with the

birthday cake. They proved to be excellent ice cream makers and quick, too!

Fuller and Smith divided the campers into four groups to play games. The games Mandy and Kim decided on had to be expanded to include several games the day campers requested — enthusiastically!

The camp concluded with everyone singing "Happy Birthday" to Kansas and enjoying birthday cake and ice cream.



*Coloring Work — Nanci Ridge and Annette Janzen (standing) help Elizabeth Neufeld and Emily Baldwin (seated) work on coloring T-shirts at the 4-H Day Camp Saturday at the 4-H Building. Approximately 75 youths, ages 7-11, participated in the games and crafts. The camp was sponsored by the 4-H Ambassadors.*

**The Kansas 4-H Journal,  
a project of the Kansas 4-H Foundation**