

Approved: Eugene L. Shaw 3-18-93
Date

MINUTES OF THE HOUSE COMMITTEE ON AGRICULTURE.

The meeting was called to order by Representative Bill Bryant at 9:10 a.m. on March 9, 1993 in Room 423-S of the Capitol.

All members were present except: Representative Lawrence - Excused
Representative Swall - Excused

Committee staff present: Raney Gilliland, Legislative Research Department
Jill Wolters, Revisor of Statutes
Kay Johnson, Committee Secretary

Conferees appearing before the committee: Sharon Tally, Foundation Administrator
Kathy Kovar, 2nd Grade Teacher
Loreen McMillan, State Board of Agriculture

Representative Bryant called the meeting to order and introduced Sharon Tally who will give a report on Kansas Agriculture In The Classroom.

Sharon Tally, Administrator, Kansas Foundation For Agriculture In The Classroom, attachments #1 and #2, discussed the importance of agricultural education as everyone has an interest in agriculture, but people are moving further and further away from agrarian roots. The educational setting is an alternative place to learn something you haven't experienced and that is what the Foundation proposes to do. It is a non-profit foundation made up of representatives from across the state; teachers, farmers, professionals and farm organizations. Mrs. Tally described various projects the Foundation is involved in, including providing teacher resources and materials, participation in the State Fair, offering summer courses to teachers and facilitating match-ups in the adopt-a-classroom program. Also, Mrs. Tally showed a newspaper put together for the State Fair called "The Ag-Citing Times", attachment #3.

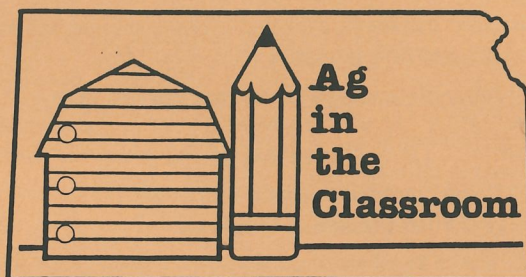
Kathy Kovar, 2nd Grade teacher, Rossville, discussed how she has used Agriculture In The Classroom and how she has stressed to students that they are learning life skills. Examples of class projects are Farm Fairs, making butter, games, stories, incubating eggs and science projects.

Discussion followed on raising scholarship money for tuition-free summer courses, state grant money and county participation in the program. Responding to questions concerning use of Kansas products in school cafeterias and incentives for schools to buy Kansas products, Loreen McMillan, Marketing Division, State Board of Agriculture, discussed the Kansas Kids Club which distributes materials to school lunch rooms to encourage students to recognize the foods they are eating are part of Kansas agriculture. She will find out what percentage of food used in school cafeterias is Kansas grown. There are some incentives when the food purchased is part of the From The Land Of Kansas product list.

The meeting adjourned at 10:42am. The next meeting is scheduled for March 10, 1993.

KANSAS FOUNDATION FOR

AGRICULTURE IN THE CLASSROOM



REPORT INFORMATION FOR THE AGRICULTURE AND EDUCATION COMMITTEES OF THE 1993 KANSAS LEGISLATURE

OBJECTIVES!

The major objectives addressed by the Kansas Foundation for Agriculture in the Classroom are:

1. To provide for Kansas students an understanding and appreciation of the food chain, which is the foundation of human life,
2. To promote the well-being of agriculture as a necessary forerunner to the well-being of America.

HOUSE AGRICULTURE
3-9-93
ATTACHMENT #1

Agriculture in the Classroom

THE NEED!

Education on agriculture? It is often assumed most people don't need it. The Kansas Foundation for Agriculture in the Classroom (KFAC) believes *everyone* needs to know just how important agriculture is!

Who shares in agriculture?

- ✓ ag producers - 2% of population
- ✓ occupations related to ag production - 17%
- ✓ **depends upon agriculture - 100%**

In a land of abundance, we take agriculture for granted!

People are moving away from agrarian roots and are not learning about agriculture through experience. How can we be expected to make choices without knowledge of agriculture's importance and how it works?

Agriculture relates to the issues of the '90's:

- | | | |
|-------------------|----------------|-----------------------|
| ✓ the environment | ✓ food safety | ✓ animal welfare |
| ✓ water quality | ✓ world hunger | ✓ international trade |

To solve problems, people must have the facts.

This must include the facts on agriculture!

KFAC works to educate all Kansans about agriculture.

- ✓ Our reasoning - the future lies with our children, adults are reached through kids.
- ✓ Our target - all students, kindergarten thru grade twelve, urban and rural.
- ✓ Our recruits - all Kansas teachers.
- ✓ Our aim - help teachers integrate agriculture using agricultural content to teach mathematics, language arts, science, social studies, art and other subjects.

KFAC is for ALL KANSAS, urban and rural. Why?

- ✓ **urban** children - no farm experience from which to learn,
- ✓ **rural** children - less involved in farming, agriculture now specialized, communities downplay the importance of agriculture.

Everyone needs to know the importance of agriculture to society!

Rural kids need to take pride in their rural communities!

KFAC contends all people should have a general understanding of ag components - natural resources, production, processing, marketing, distribution and nutritional use. Six broad concepts of understanding focus on this premise.

Agriculture is...

-the business that provides our food, clothing and shelter.*
-interdependent with the well-being of society in Kansas, the United States and the world.*
-a vital, dynamic system shaped by research and development.*
-influenced by government.*
-interdependent with the environment and uses natural resources.*
-historically significant.*

Kansas Foundation for Agriculture in the Classroom

THE ORGANIZATION!

The Kansas Foundation for Agriculture in the Classroom (KFAC) is a 501(c)(3) not-for-profit, founded in 1983.

The United States Department of Agriculture (USDA), in response to the need for ag education for all children, called for individual grass-roots movements in each state. Kansas leaders decided to involve all of the state's agricultural and educational communities and formed KFAC.

Who makes up KFAC?

- ✓ **Officers, Board of Directors and Foundation Members** - Elected by membership
Current membership on back
- ✓ **Staff** - Full time administrator and part time student assistants
- ✓ **Universities & Colleges**
 - ✓ *Kansas State University College of Education* - Provide office space, administer staffing, summer course instruction by faculty
 - ✓ *Kansas State University College of Agriculture* - Summer course instruction by faculty, assistance with teaching materials, facility field trips
 - ✓ *The Wichita State University College of Education* - Summer course instruction by faculty
 - ✓ *Ft. Hays State University College of Health & Life Sciences - Agriculture Department* - Summer course instruction by faculty, facility field trips
 - ✓ *Ft. Hays State University College of Education* - Summer course instruction by faculty
- ✓ **Kansas State Board of Education**
- ✓ **Kansas State Board of Agriculture**
- ✓ **The Kansas Legislature** - Matching grant funding.
- ✓ **State- and County-level Funding Supporters** - Contribute 1) scholarships for teachers in the KFAC summer courses, 2) general contributions.
- ✓ **Volunteers - Who?**
Farm families, Agri-business persons, Commodity group resource professionals
Doing what?
 - ✓ presentations in summer courses
 - ✓ correspond with classrooms
 - ✓ provide teaching resource materials
 - ✓ State Fair KFAC activities
 - ✓ host field trips
 - ✓ give training on use of programs
- ✓ **Teachers** - Taking ag to the students
- ✓ **Children** - Learning about agriculture

Kansas Foundation for Agriculture in the Classroom

THE ACCOMPLISHMENTS!

SUMMER COURSE - Most effective approach = quality in-depth training for specific group of teachers = two-week summer courses providing broad exposure to agriculture and assistance in planning integration of ag into the classroom. **Full tuition scholarships to cover the cost of the three hours of graduate credit provides teachers the incentive to apply for enrollment.**

- ✓ 1985 = 1 course at Manhattan - 17 teachers
- ✓ 1992 = 4 courses - Manhattan, Hays, Wichita and Kansas City - 92 teachers.
- ✓ 1985-92 = 387 alumni
- ✓ If summer course alumni each reach an estimated 20 new students (a conservative estimate), 8,000 youth will have learned about agriculture during the '92-'93 school year.

"...a sensational learning and growing experience. I hope other teachers will be receptive to the agricultural concerns."

Teacher enrolled in Kansas City course.

"We've taken courses from New York to California, and this one is the best of them all." Husband and wife in Wichita course.

"I hate to admit I only took this course for the free credits, but was surprised to have gotten more applicable ideas from this course than any other I've ever been in." Manhattan course participant.

TEACHING MATERIALS - The teachers enrolled in the summer courses create instructional units that will integrate agricultural content into teaching of traditional subjects: math, science, language arts, social studies, art, and others.

- ✓ Currently over 380 on file, used to developing resource materials for distribution to other teachers.
 - ✓ KFAC materials selected for distribution, based on agricultural topics, grade level and usefulness include:
 - ✓ two sets of 12 units each ✓ eight individual units
 - ✓ a large selection of activities ✓ Curriculum Planning Guide
 - ✓ Other agricultural education resources -
 - ✓ written materials ✓ audio and visual aids
 - ✓ computer programs ✓ resource people
- KFAC gets out the word & trains on how to use them through
- ✓ summer courses ✓ teacher professional development training
 - ✓ Ag-Citing News newsletters ✓ teacher conferences

STATE FAIR - The KFAC activities at the Kansas State Fair reach a minimum of 2,500 students and teachers per year.

✓ 1992 theme - *Cowabunga! Ag in the Classroom Moooooves!*

✓ *Ag-Citing Activity*- ag scavenger hunt for ag facts on posters in the other Pride of Kansas exhibits - Food and supply items contributed by supporting businesses and groups reward those who complete the activity.

✓ New in '92 - *The Ag-Citing Times*, a newspaper of informative fun for kids based on Kansas agriculture, went home with kids and classrooms.

✓ KFAC organized Mini-Classes - A variety of resource people make short presentations to classes midst exhibits relevant to Kansas agriculture.

This Little Piggy

Grains - the Base of the Food Pyramid

The Giant Cheeseburger

Yes, There Are 'Bees' in Agriculture

Rodeo

How the Garden Grows

Bugs! Bugs! Bugs!

"...thoroughly enjoyed the trip and is will become an annual activity for my class.

The things we learned there will go on throughout the whole year." Teacher of a

Wichita second grade class attending the fair.

ADOPT-A-CLASSROOM - Especially effective at the grass roots level is the Adopt-a-Classroom program which encourages classrooms and farm families to link up for two-way exchanges, be it local, state-wide, nation-wide or global.

✓ letter writing ✓ video exchange ✓ farm products in the classroom
✓ farm visits ✓ provision of materials ✓ art & literature exchanges

INDIVIDUAL CONTACT - In addition to these established activities, KFAC uses any means available as occasions arise to encourage and inform teachers and the general public.

METHODS FOR MEETING THE OBJECTIVES!
Projects & Activities to Consider for the Future

Teacher Newsletter - *The Ag-Citing News*

Adopt-a-Classroom Newsletter

State Fair

Exhibit

Student Newspapers - *The Ag-Citing Times*

Mini-classes

Ag-Citing Activity Rewards

County Fair Kit

Day on the Farm Kit

Summer Course

Teaching Unit Reproductions

Curriculum Guide

Scholarship Luncheons

Teaching Materials

Kansas Day package

Teaching Unit Sets

Computer Programs

CD-ROM

Placement of Animal Ag, Abundant Food & Fiber units in school

In-Service/Staff Development

Resource Order Packet

Ag Week project

Public Awareness

Radio PSA

TV Video PSA

County Ag in the Classroom Ambassadors Program

State Ag in the Classroom Conference

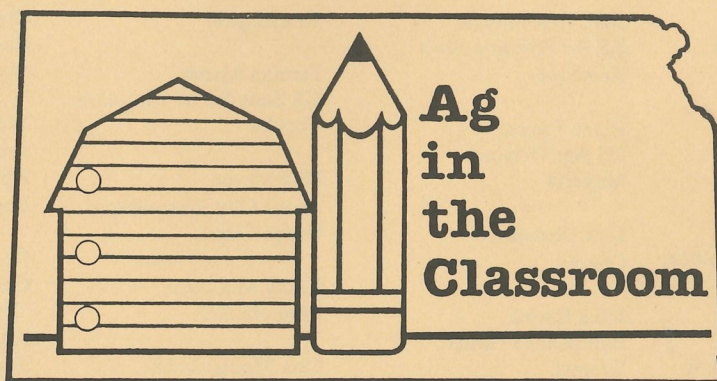
PENDING RESEARCH !

A study of the agricultural knowledge of Kansas teachers is currently being conducted through the Kansas State University College of Education. This work will compare knowledge of teachers who have taken the KFAC summer courses with teachers who have not, and will be an effective program planning tool for the foundation in the future.

1993 Kansas Foundation for Agriculture in the Classroom

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Barbara L. Meyer Horticultural Services St. George	John Bunch Bunch Seed Farms Everest, John Cooper Syracuse Steve Fisher Extension 4-H/Youth Programs Manhattan Sen. Sheila Frahm Colby	Mildred Sharp Sharp Brothers Seed Co Healy	

**Kansas Foundation for
Agriculture in the Classroom
1992 Annual Report**



HOUSE AGRICULTURE
3-9-93
ATTACHMENT #2

1993 Kansas Foundation for Agriculture in the Classroom

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Joyce Wasmund
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Helen Bausch
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Mayetta

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Bunck Seed Farms
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Center for Extended
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KSU College of Education
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Ferman Marsh
KS State Bd of Education
Topeka

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Osage City Elementary
Osage City

Kathy McLeish
Alamota, KS

Don Montgomery
Sabetha

Fred Pearson
KS Grain and Feed Assn
Osage City

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Wichita

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Mildred Sharp
Sharp Brothers Seed Co
Healy

Twyla Sherman
Instructional Services
WSU College of Education
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Farm Economics
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Clayton Stultz
Wamego

Lee Weis
Williamsburg High School
Williamsburg

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Topeka

Dr. Lee Droegemueller
Commissioner of
Education
KS State Bd of Education
Topeka

Staff

Sharon S. Tally
Administrator

Carolyn Farris
Jennifer Swanson
Student Assistants

In 1992, the Kansas Foundation for Agriculture in the Classroom continued to carry out its major objectives:

1. To provide for Kansas students and understanding and appreciation of the food chain, which is the foundation of human life.
2. To promote the well-being of agriculture as a necessary forerunner to the well-being of America.

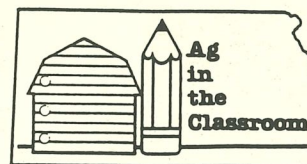
The foundation helps educate K-12 students by providing resources that integrate information about agriculture into science, math, language arts, social studies and other classes already taught.

This philosophy is gaining widespread acceptance and use in education as the interdisciplinary, whole language, holistic or integrated approach to teaching. Using this educational theory, all subject matters are taught around a common theme. For example, wheat can teach students plant growth, fractions, research and writing, geography, history, nutrition and much more. As one teacher said, "The students can't tell when one subject ends and another one begins since they all revolve around one topic."

The Foundation works with teachers, volunteers, students and others to carry out six concepts:

Agriculture is....

-the business that provides our food, clothing and shelter.
-interdependent with the well-being of society in Kansas, the United States and the world.
-a vital, dynamic system shaped by research and development.
-influenced by government.
-interdependent with the environment and uses natural resources.
-historically significant.



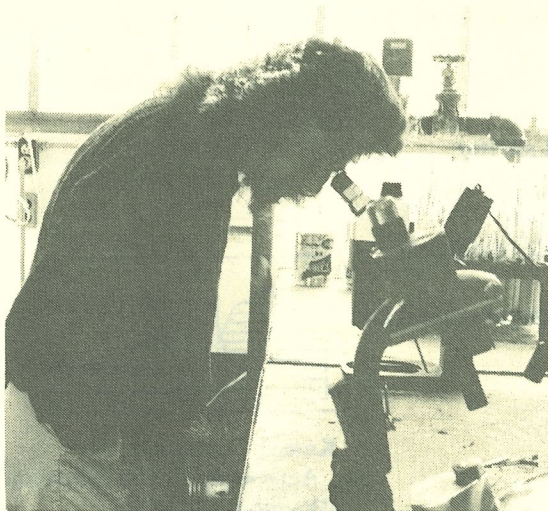
Sharon Tally,
Administrator
Jennifer Swanson and Carolyn Farris,
Student Assistants

Kansas Foundation for
Agriculture in the Classroom
Bluemont 124, KSU
Manhattan, KS 66506
913 532-7946

Summer Courses

The stack of letters, cards and newspaper clippings from 1992 Kansas Foundation for Agriculture in the Classroom summer course graduates grows taller and taller in the KFAC office. Many of this year's alumni have written to keep the foundation up-to-date on how they are integrating agriculture into their classrooms or just to say "thanks" for the wealth of information they received by participating in the 1992 Integrating Agriculture into the Classroom Summer Courses.

Part of the reason for the growing stack of correspondence is the growth of the course over the last eight years. When the annual summer event originated in 1985, only 17 teachers participated at one site. Ninety-two Kindergarten through Grade 12 teachers took part in the four 1992 classes that took place in Hays, Wichita, Manhattan and Kansas City. The number of summer course alumni now totals 387 teachers as a result of the course's growth. This growth has also extended the credit verification from two colleges at one



Ann Hoffman, Ft. Hays State Education instructor, takes a microscopic look at plant pests in the Ft. Hays Ag Experiment Station lab.



Oberlin teachers, Dale Bryan and Kim Schultz, try their hands at making bread during the '92 Hays summer course.

university to five colleges at three state universities:

Kansas State University Colleges of Agriculture and Education

Fort Hays State University Colleges of Education and Health and Life Sciences—Agriculture Dept.

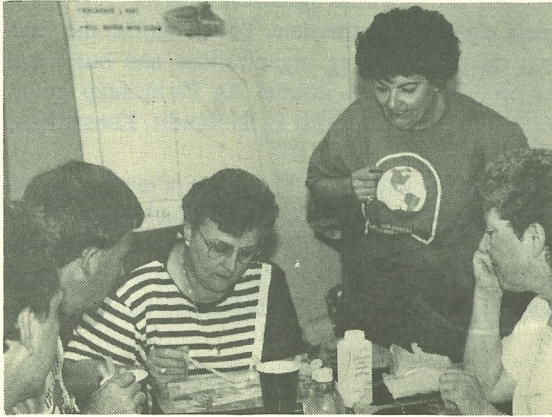
Wichita State University College of Education

Faculty from these three universities also served as instructors for the courses.

Sponsorship for the courses has grown as well, from less than 20 in 1985 to more than 90 supporters in 1992. Supporters from the agriculture industry and educational field make it possible for each teacher participating in the summer course to receive a full tuition scholarship.

Summer courses are designed to inform teachers of the importance of agriculture in all aspects of society. Teachers are exposed to a variety of agriculturally related topics ranging from cattle ranching to Christmas tree farming. They learn from many field trips and hands-on activities.

Although some activities at each of the four course sites are the same, most activities are unique to the area of the state.



Teachers in the Wichita summer course conduct water activities with Sedgwick County Conservation District Manager Alex Lingg.

Highlights from the Hays course included tours of the Fort Hays State University Agriculture Experiment Station, a hydroponic tomato factory and a feed yard. Teachers in the Wichita course toured a bakery, botanical garden, Christmas tree farm, meat packing plant and area farms. In Manhattan, teachers learned from visits to Kansas State University's flour mill, research farms, and veterinary medicine complex. They also toured an area farm, a greenhouse and a community garden. Kansas City course teachers toured a grain elevator, greenhouse, farm and bakery. In addition, they visited the Kansas City Board of Trade and an aquaculture plant.

Teachers at each course received samples of the state's five major grains from the Kansas Farm Bureau Women and learned how to make bread in a bag and butter in a jar.

Scholarship luncheons at each site were sponsored by area businesses. The luncheons gave teachers a chance to interact with scholarship donors and foundation members. More than \$23,000 were raised this year to help fund the summer courses.

As a result of the summer courses, the number of teaching units available for use is also growing. To receive credit for the course, teachers must prepare a teaching unit about an agricultural topic. Just a few of the topics selected for this year's units included milk studies, buffalo in Kansas, nutritious foods grown in Kansas and Christmas tree farming. The teaching units are designed to incorporate agriculture into math, social studies, language arts, science and art.

Summer course alumni were encouraged to present programs to their sponsors where appropriate and to conduct in-service training for other teachers in their school districts.

Ag Week '92

March 15-21, 1992, was proclaimed Kansas Agriculture in the Classroom week by Governor Joan Finney, honoring those who educate Kansas youth about the state's number one industry — agriculture.

The Ag Week Materials flyer suggested student research of community agri-resource people as suitable activities for the week. Instructions for conducting volunteer or teacher led activities were available.



In attendance for Gov. Finney's proclamation signing are (l to r) Nancy Lindberg, Altis Ferree, Sharon Tally, Sen. Sheila Frahm, Loreen McMillan, Nila Meyer, Barbara Meyer, Tim Christian and Sen. Don Montgomery.

Teacher Resources & Materials

"Marketing" of Kansas Ag in the Classroom teaching materials showed increased and wider appeal in 1992, due in part to wider distribution of ordering information in *The Ag-Citing News* and through distribution of brochures at national, state and regional meetings. Interest by county groups to support local schools by supplying materials also accounted for some orders.

The Materials Committee executed a new philosophy of making more materials available by selecting teaching units from the files to reproduce "as is" in sets of twelve. This year's efforts saw Volume One selections in both the Primary Level-Kindergarten through Grade Two and Intermediate Level-Grades Three through Five. Future plans call for selections for upper levels plus additional volumes for the levels already selected.

A new support effort made it possible to publish the Fall '92 *Ag-Citing News* newsletter. Sponsorship was provided by Farm Credit Services, Production Credit Associations of Kansas, and Federal Land Bank Associations of Kansas.

The KFAC office library of materials continues to grow, with the file of teaching units prepared by summer course teachers nearing 400 in number. Efforts are being made to keep teachers aware of the most current materials available to them from the various ag groups and commodity organizations.

Efforts began in 1992 to place an Animal Ag Teaching Unit including Farm & Food Bytes computer software and an animal ag careers video in every fourth grade classroom in the state. To accomplish the funding, many Kansas ag organizations and businesses formed an informal Animal Ag Partnership group, headed by KFAC member Lynn Rundle, Kansas Farm Bureau.

Staff development training on use of these materials was provided by the Kansas Foundation for Agriculture in the Classroom for groups of teachers receiving the units. At year's end, the project is approximately one-third of the way to its goal of covering the state.

Teacher Training

Nineteen ninety-two saw increased efforts to assist teachers through in-service and staff development presentations. Three such presentations were directly related to the Animal Ag Partnership efforts to place a computer/video unit into school fourth grades (see above). Further presentations were coordinated with other organizations' programs: Kansas State Fair (four), National Agricultural Museum/Hall of Fame and the American Royal.

One especially interesting training was done with teachers of the Pierceville-Plymell Elementary of Garden City USD # 457. This school is in its first year as an agricultural-environmental theme school.

KFAC administrator Sharon Tally also assisted the Kansas Agricultural and Rural Leadership class as they planned and conducted an educational presentation by the 30-member KARL group to 140 eighth-graders at Curtis Middle School, Wichita. Arrangements were made through former summer course grad Nell Heyen who teaches at Curtis.

Kansas State Fair

The rearrangement of the Pride of Kansas building found the KFAC Ag-Citing activities operating from a new location in 1992. The new location provided less in-booth space but more aisle frontage (booth open on two sides), better ventilation and increased exposure to the public. Under the theme *Cowabunga! KFAC Moooves!*, a barn backdrop provided the setting for two cow-characters, Hutch and Kansky. They were joined by the traditional KFAC boy and girl. State Fair Chair Sue Blubaugh and her husband V.J. were responsible for the new additions.

State Fair Board efforts to increase school field trips to the fair resulted in increased requests for KFAC mini-classes. Resource people who provided sessions on behalf of KFAC requests were: Donita Whitney-Bammerlin, *How Does Your Garden Grow*; Stanley Mead, Honey Producer, *Yes, There ARE 'B's' in Agriculture*; Bob Bauernfeind, KSU Entomology, *Bugs! Bugs! Bugs!*; Cindy Falk, Kansas Wheat Commission, *Grains - The Base of the Food Pyramid*; Marie Alice Phillips, *This Little Piggy*; Sharon Hubbard, Golden Plains Llamas, *Llamas 101*; Heather Lynn, Miss Rodeo Kansas, and Scott Maynes, PRCA Bull Rider, *Rodeo*; and Sharon Tally, *The Giant Cheeseburger*. KFAC also helped with scheduling of the Mobile Dairy Classroom provided by Associated Milk Producers, Inc.

Numerous supporters again provided reward items for presentation to young walk-through fair-goers who completed the Ag-Citing Activity, an ag information scavenger hunt in the Pride of Kansas building. A new addition was the publication of two editions of *The Ag-Citing Times*, a newspaper filled with ag information and activities for children. These were provided to visiting school groups for use back in the classroom and also given out to individuals visiting the booth.

Conservative estimates of youth reached were well over 2,000.

Adopt-a-Classroom

Facilitating the match-up of farm families with classrooms for the purposes of correspondence and exchanges has been on-going for KFAC in '92.

More than 40 families have written and visited their assigned classrooms during the school terms, sharing information about their agricultural operations and what it should mean to the students. In return, class members send letters, stories, poems and artwork to their farm family depicting what they have learned.

More and more match arrangements are being made at the local rather than state level, allowing for better logistics concerning school field trips to the farm.

National Agriculture in the Classroom Convention

The National AITC meeting met in Orlando, Florida, June 6-9, 1992, addressing the theme, "Agriculture Literacy in a Changing World: Understanding the Many Faces of Agriculture Through Quality Education." Six Kansans participated. KFAC members and staff present included Mardelle Pringle, representing National CattleWomen; Loreen McMillan, Kansas State Board of Agriculture; Joyce Wasmund, Kansas Farm Bureau Women; and Sharon Tally, KFAC Administrator. Linda Reinhardt, Kansas Farm Bureau Women's Chair, represented American Farm Bureau at the conference. Carolyn Farris, KFAC Student Assistant, helped with the conference administration as a summer intern for the USDA.

In addition to speakers and workshops with ag in the classroom themes, special tours included visits to a mushroom farm, fertilizer plant and Epcot Center.

1992 Donors

\$1,000 or more

\$500 - \$999

Dane G. Hansen Foundation
 Kansas Beef Council
 Kansas Farm Bureau
 Kansas Livestock Association
 Johnson County Farm Bureau
 Saline County Conservation District
 Wyandotte County Farm Bureau

Brown County Conservation District
 Cowley County Farm Bureau
 Farm Credit Services, Federal Land Bank Associations and Production Credit Associations of Kansas
 Fort Hays State University Agriculture Department
 Geary County Conservation District
 Kansas Agricultural Aviation Association
 Kansas Pork Producers Council
 Kansas Sheep Association
 Kansas Wheat Commission
 Leavenworth County Farm Bureau
 Pottawatomie County Conservation District
 Reno County Farm Bureau
 Sedgwick County Farm Bureau
 Shawnee County Farm Bureau

\$250 - \$499

Associated Milk Producers, Inc.
 Butler County Farm Bureau
 Cargill Flour Milling
 Cheyenne County Conservation District
 Citizen's Bank & Trust
 Clay County Farm Bureau
 Coffey County Farm Bureau
 Decatur County Feed Yard
 Dickinson County Farm Bureau
 Dillons
 Don Montgomery
 Eli Lilly and Co.

Farm Credit Services of Northeast Kansas
 Finney County Farm Bureau
 Franklin County Conservation District
 Franklin County Farm Bureau
 Jackson County Agri-Women
 Jackson County Bankers Association
 Jackson County Conservation District
 Jackson County Farm Bureau
 Jackson County Livestock Association
 Jefferson County Conservation District
 Jefferson County Farm Bureau
 Kansas Agri-Women

\$250 - \$499 - continued

Kansas Cattle Women
 Kansas Christmas Tree Growers
 Kansas Cooperative Council
 Kansas Corn Commission
 Kansas Grain Sorghum Commission
 K-NEA
 Kansas Soil & Water Conservation Society
 Kansas Soybean Commission
 Kansas State Grange
 Kansas Wheathearts
 Kingman County Farm Bureau
 Lane County Conservation District
 Leavenworth County Conservation District
 Lincoln County Farm Bureau

Lyon County Conservation District
 Lyon County Farm Bureau
 McPherson County Farm Bureau
 Midwest Energy
 Miles Corporation
 Nemaha County Conservation District
 Neosho County Farm Bureau
 Osage County Conservation District
 Osborne County Conservation District
 Reno County Conservation District
 Riley County Farm Bureau
 Shawnee County Conservation District
 Smith County Conservation District
 Wyandotte County Conservation District

Under \$250

Blick's, Inc.
 Bulter County Conservation District
 Chase County Conservation District
 Chase County Farm Bureau
 Cheyenne County Farm Bureau
 Cowley County Conservation District
 Crawford County Farm Bureau
 Decatur County Conservation District
 Decatur County Farm Bureau
 Douglas County Conservation District
 Ecco Ranch
 Ellis County Conservation District
 Farmway Coop, Inc.
 Federal Land Bank of Colby
 Grace Flying Service
 Greenwood County Cattle Women
 Kansas Wheat Growers
 Marshall County Conservation District
 Barb Meyer
 Morris County Conservation District

Morris County Farm Bureau
 Northwest Production Credit Association
 Norton County Conservation District
 Patricia Peterson
 Karen Pinkall
 Pottawatomie County Farm Bureau
 Linda Reinhardt
 Phyllis Rezak
 Riley County Conservation District
 Riley - Pottawatomie County Agri-Women
 Rundell Sandy Acres
 Saline County Farm Bureau
 Sherman County Conservation District
 Sherman County Farm Bureau
 St. Francis Mercantile Equity Exchange
 Underwood Equipment
 Pat Vining
 Wabaunsee County Conservation District
 Wabaunsee County Farm Bureau

1992 Financial Report

January 1, 1992 - December 31, 1992

	Beginning Balance	\$13,479.28
Income		
Donations	\$31,857.50	
Sales of Material (software, teaching units, curriculum guides)	1,687.30	
Miscellaneous (interest, reimbursements)	3,617.72	
State Matching Grant	25,000.00	
	Total Income	\$62,162.52
Expenses		
Summer Course (scholarships, expenses)	\$25,250.96	
State Fair (supplies, travel, assistant fee)	1,325.51	
Curriculum Development (Farm & Food Bytes, materials printing)	675.01	
Communications (newsletter, telephone, postage)	3,415.83	
Programs (presentation travel, meeting registrations)	869.70	
Office Supplies (copying, supplies)	339.22	
Salaries (administrator, student assistants)	31,976.84	
Miscellaneous (bank charges, business expenses)	1,261.79	
	Total Expenses	\$65,114.86
	Year-End Balance	\$10,526.94

The Ag-Citing Times

Junior Edition

Kansas Foundation for Agriculture in the Classroom

September 1992

House Agriculture
3-9-93

Kansky and Hutch Say "Cowabunga!"

Cowabunga Dudes!

We're Kansky and Hutch, two *moooving* dudes who live on a farm with lots of other *cool* animals. Crops are also grown where we live. All of us here on the farm want you to know about the great industry of Agriculture.

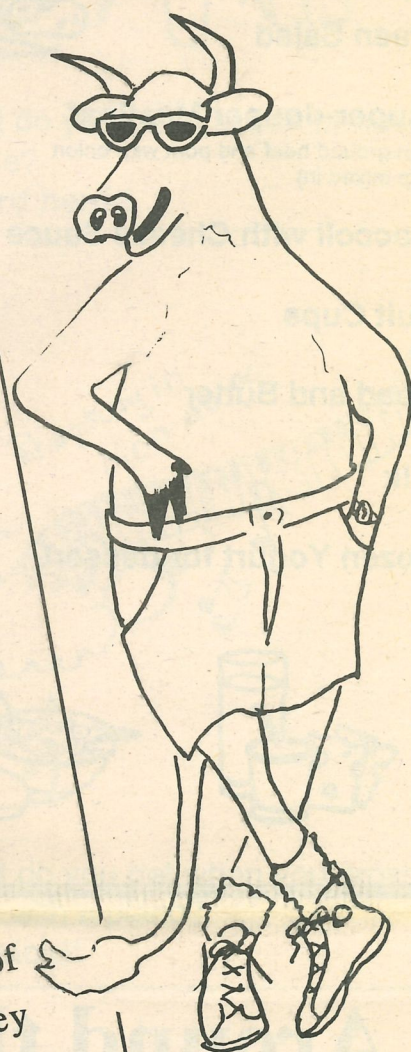
The farmer who owns our farm is very important to all of you! He provides you with food, clothes, and shelter. Our farm is just the *coolest* place to live because of all the different products that are raised here. There are cattle, pigs and chickens that provide you with meat. Wheat, corn and other grains are also used to make food for you or for us. Animals like sheep and cattle provide wool and leather for your clothing. Some farmers grow trees which provide the wood for houses.

If you eat, wear clothes, or live in a house you are a consumer of agriculture. You're parents' jobs may relate to agriculture even if they aren't farmers. Veterinarians make sure that animals are healthy. Truck drivers help move food from the farm to where it is needed. Many people such as meat processors and vegetable canners get the farm products ready for you to eat. Grocers take care of the food until you buy it. There are people who fix farmers' machinery when it breaks. There are many ways to be a part of agriculture besides being a farmer.

Someday we hope you can come visit our farm or one like it to see more of what goes on here. It's a *super cool* place to live! And our farm is important to you because it is a part of a big industry called **Agriculture!**

Later Dudes,

Kansky and Hutch



Eating Healthy with the Food Guide Pyramid

.....What's for Dinner Mom?.....

Ball practice is over and you're stomach is growling. Something in the kitchen sure does smell good! Mom must be cooking another one of her super suppers. Below is the menu for Mom's great meal. It is just perfect for an active kid like you. It gives you a balance of yummy foods that are good for you.

Draw a line from each menu item to the food group in which it belongs. Some items belong in more than one group. Check your answers on the back page when you finish!

Green Salad

Souper-douper Meatloaf

(lean ground beef and pork with onion soup mixed in)

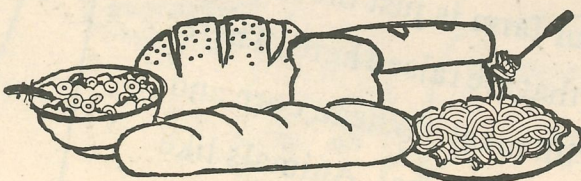
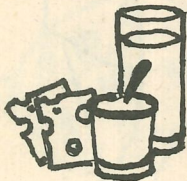
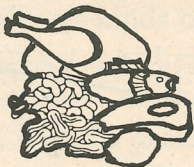
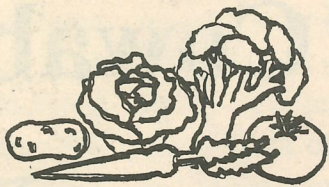
Broccoli with Cheese Sauce

Fruit Cups

Bread and Butter

Milk

Frozen Yogurt for dessert



Are you a healthy eater? If you follow the Food Guide Pyramid, you can enjoy better health and reduce your chances of getting sick.

The Food Pyramid is a guide to what and how much to eat everyday. It stresses foods from the five food groups in the lower three levels of the Pyramid. Each group gives us some, but not all, of the nutrients we need everyday.

To stay healthy we need foods from all five groups.

To start eating the Food Pyramid way, begin with foods from the bread and cereal group. Foods from the bread group give us carbohydrates which give us energy.

Be sure to eat your veggies. Vegetables are a good source of vitamins and minerals which give us strong bones.

Fruits are also good sources of vitamins and fiber. Vitamins help our body properly use the food that we

eat. Go easy on canned fruits because they have a lot of extra sugar.

Everyone should have 2-3 servings of milk or milk products each day. Milk contains calcium which makes our bones and teeth strong.

Meats, eggs, fish, poultry, dry beans and nuts give us protein. Protein is important because it helps to build strong muscles and repair injured ones.

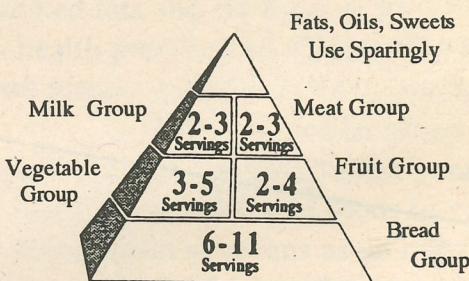
ones.

A group of fats, oils and sweets sits atop the Food Pyramid. It is a small section because our bodies get enough fat and sugar in the regular foods we eat. If we eat too

much fat and sugar our body turns it into fat. Watch eating foods like potato chips and soda pop because they are high in fat and sugar and low in nutrients.

Now that you know what the Food Pyramid is and how it can help you, you should be on your way to becoming a healthy eater.

How To Make the Pyramid Work for You



Around the World With Wonderful Wheat

Kansas is sometimes called the breadbasket of the nation because Kansas farmers produce more wheat than any other state in to nation. In 1990, Kansas farmers produced enough wheat to provide every person in the world with about six loaves of bread. That's a lot of bread!

Wheat covers more farmland than any other food crop in the world. Wheat is grown in Russia, Europe, Australia and China, but not enough wheat can be grown in these areas to feed all of the people. For this reason, wheat that is grown in the United States is sold to other countries.

When settlers first started to live in Kansas, wheat was very hard to grow because the types of wheat the settlers had didn't like cold Kansas winters and dry conditions. In 1873, Mennonites from Russia brought Turkey Red wheat to Kansas. This tough type of wheat grew well in dry, cold weather and is the ancestor to the hard red winter wheat that is grown in the state today.

Today, wheat is harvested with big machines called combines. A

combine cuts, separates and cleans the wheat all at the same time. Wheat kernels are collected in a bin on the back of the combine which is emptied into big trucks that take it to the wheat elevator.

When wheat was first brought to Kansas, farmers used two separate machines to harvest their wheat. Reapers were used to cut the wheat and threshing machines were used to separate the wheat kernels from the rest of the plant. It took farmers three days to cut and thresh one acre of wheat. The combines we use today make it possible to cut an acre of wheat in six minutes!

Wheat is ground into flour by millers. Old-fashioned flour mills used oxen to turn stones that ground the wheat into flour. Modern flour mills use machines to grind flour.

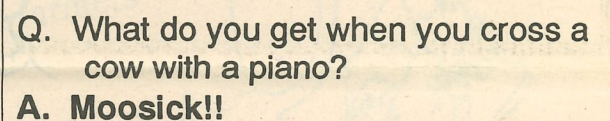
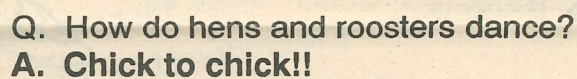
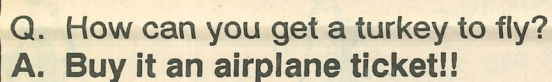
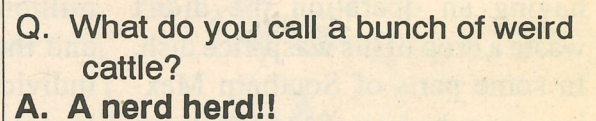
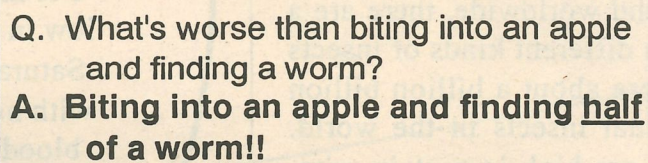
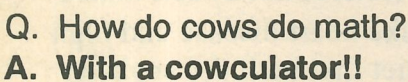
Flour is taken from the mill to bakeries where it is made into bread, pasta and other good things to eat. It is also sent to grocery stores where you can buy flour to make your own yummy treats.

Wheat is grown in many countries around the world, and the flour made from that wheat is used in even more countries!! See if you can match these breads with the country that they come from. Check your answers on the back page.

Pita
Croissant
Lefse
Hamburger Buns
Soda Bread
Spaghetti
Bagel
Wonton
Tortilla
Scones

Mexican
Arabian
Irish
French
Italian
Norwegian
Scottish, English
American
Chinese
Jewish

110450



A black and white line drawing of a pig and its piglets. The pig is on the right, facing left, with a curly tail. A small piglet is on its back, and a group of four piglets is at its feet.

A 3-pound pig born on Christmas Day will weigh about 240 pounds and be ready to go to market about the time school's out.

Beef Breeds

BRAHMA

SANTA GERTRUDIS

CHAROLAIS

HORT

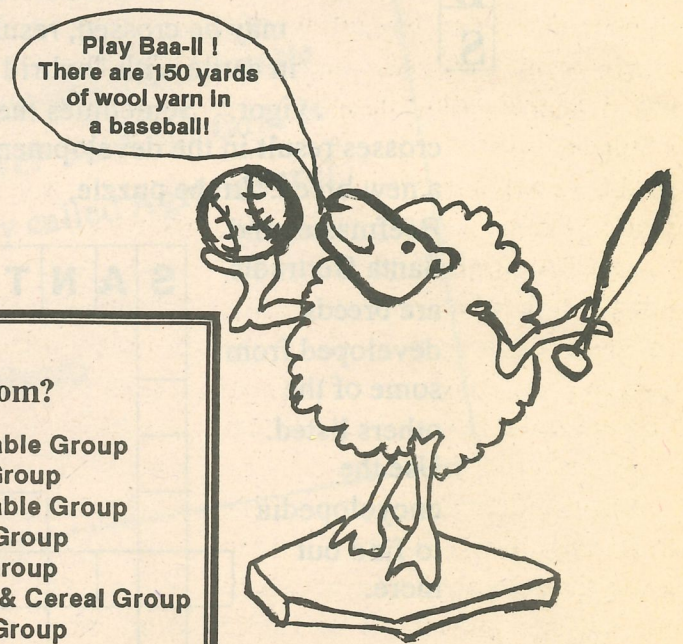
CHIANINA

MAINE-ANJOU

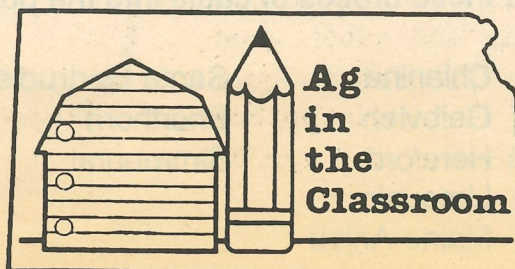
HEREFORD

GELBV

Green Salad	Vegetable Group
Souper-douper Meatloaf	Meat Group
Broccoli with Cheese	Vegetable Group
Sauce	Dairy Group
Fruit Cups	Fruit Group
Bread	Bread & Cereal Group
Milk	Dairy Group
Frozen Yogurt	Dairy Group



Food Item	Country/Origin
Pita	Jewish
Croissant	French
Lefse	Norwegian
Hamburger Buns	American
Soda Bread	Irish
Spaghetti	Italian
Bagel	Jewish
Wonton	Chinese
Tortilla	Mexican
Scones	Scottish, English



The Ag-Citing Times is published by
The Kansas Foundation For
Agriculture in the Classroom
Sharon Tally, Administrator
Jennifer Swanson, Junior Edition Editor
124 Bluemont Hall
Kansas State University
Manhattan, Kansas 66506
913/532-7946

Insects--Future Food?

Soybeans, They're in There

Would you rather have ants in your pants or on your spoon? Most Americans would rather have ants in their pants, but in certain parts of the world the custom is to eat insects. The practice of eating insects for food is called Entomophagy. Entomophagy is practiced in Japan, Australia, Africa, Asia and some parts of South America.

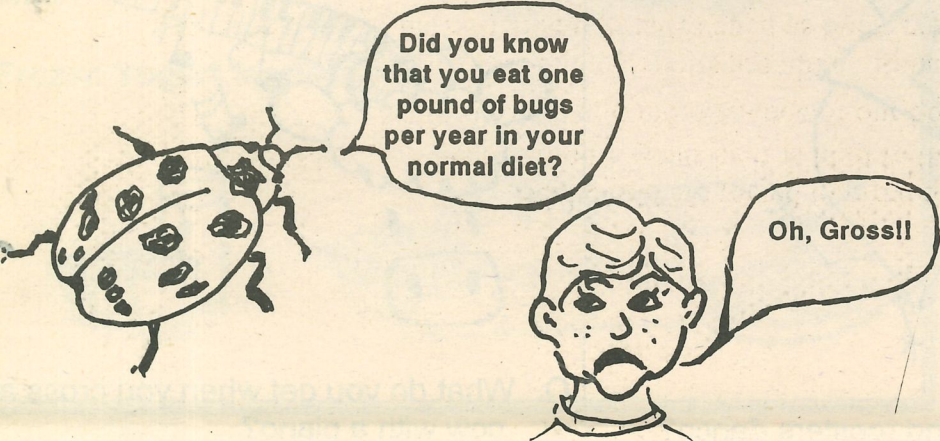
It was once reported in Japanese papers that even when the Emperor didn't feel like eating after having an operation, he didn't waste a drop of his wasp-rice dish. In some parts of Southern Mexico, people pay \$11 for three ounces of agaveworms. Chocolate covered insects are eaten in some parts of the United States.

Eating insects is not a new idea. Pictures of insects being eaten

were drawn by cavemen on the walls of their caves. Insect eating is also recorded in the Bible.

Scientists say that by the year 2000, there will be seven billion people on earth. That's twice as many as there were in 1960. With all of those people in the world, it is going to be hard to produce enough food for everyone.

Insects just might be the answer to the problem of starvation in many parts of the world. Insects are found worldwide, there are a million different kinds of insects and there about a billion billion individual insects in the world. Insects are high in protein, vitamins, minerals and fiber, which are all a part of a healthy diet. The biggest problem with these foods of the future is going to be getting people to eat them!



Are you a label reader? In your refrigerator or supermarket, there are many food products that contain ingredients that come from soybeans. Just pick up a bottle or package. Chances are that soybeans are there in some way or another. You'll find them in salad dressings, cake mixes, breads, cereals, snack foods and almost any processed food.

For many foods, it's soybean oil. Soybean oil is low in saturated fats and contains no cholesterol. Saturated fats and cholesterol have been linked with health problems like heart disease and high blood pressure, so a diet that includes soybean oil is a good health choice.

Tonight, when you get home, ask your parents to help you find five different foods in your kitchen that contain soybeans as an ingredient.

Write them in the spaces below.

1. _____
2. _____
3. _____
4. _____
5. _____



B

R

B E E F

E

E

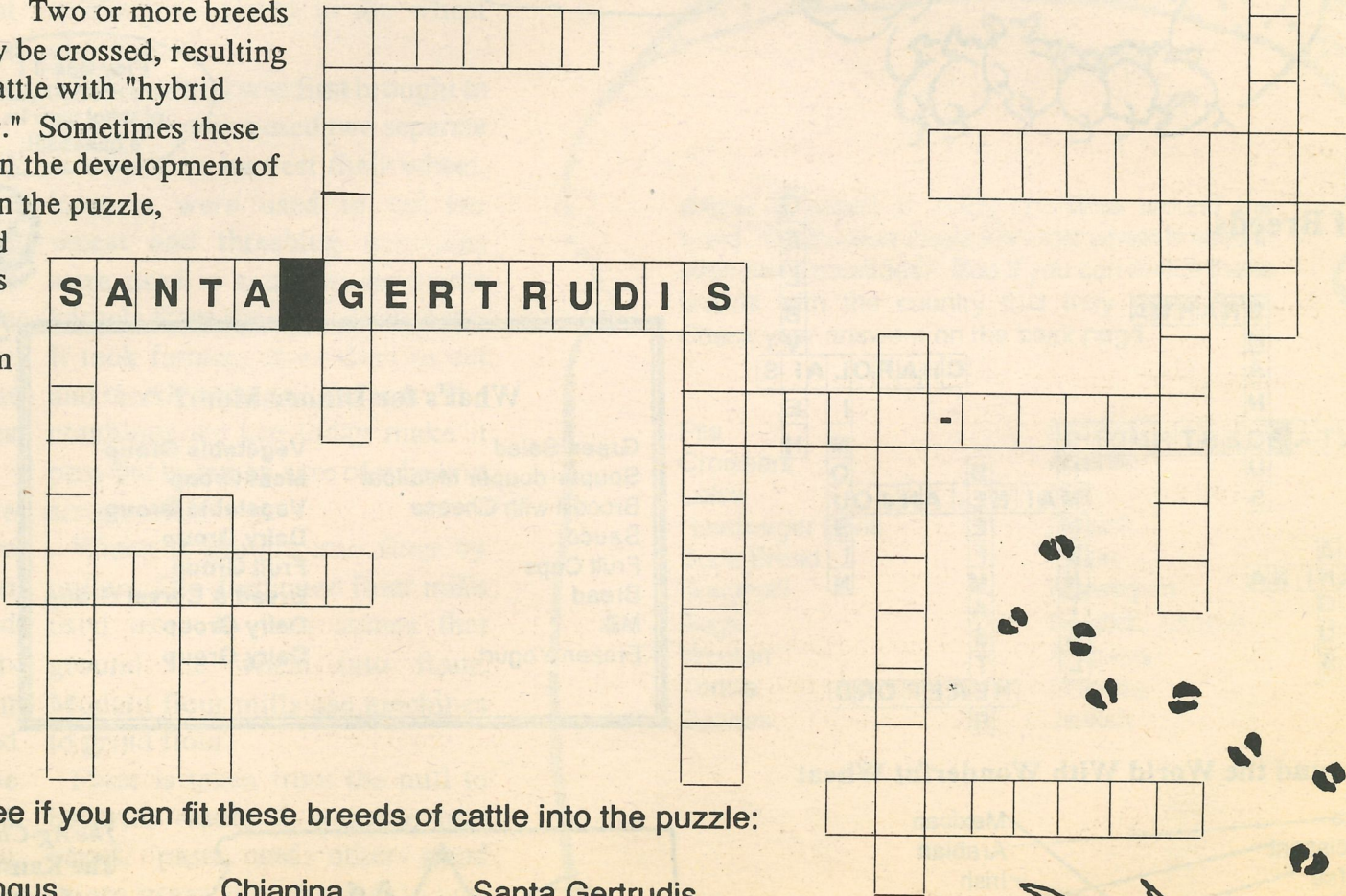
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S

Beef cattle are raised to provide us with meat - hamburgers, steaks and roast beef! Good Kansas beef is high in the protein, minerals and vitamins necessary for growth and maintenance of our bodies.

Not all beef cattle are alike. Ranchers raise different types or breeds, each with its own characteristics such as body type and color.

Two or more breeds may be crossed, resulting in cattle with "hybrid vigor." Sometimes these crosses result in the development of a new breed. In the puzzle, Beefmaster and Santa Gertrudis are breeds developed from some of the others listed. Use the encyclopedia to find out more.



See if you can fit these breeds of cattle into the puzzle:

- Angus
- Beefmaster
- Brahma
- Brangus
- Charolais
- Chianina
- Gelbvieh
- Hereford
- Limousin
- Maine-Anjou
- Santa Gertrudis
- Shorthorn
- Simmental

