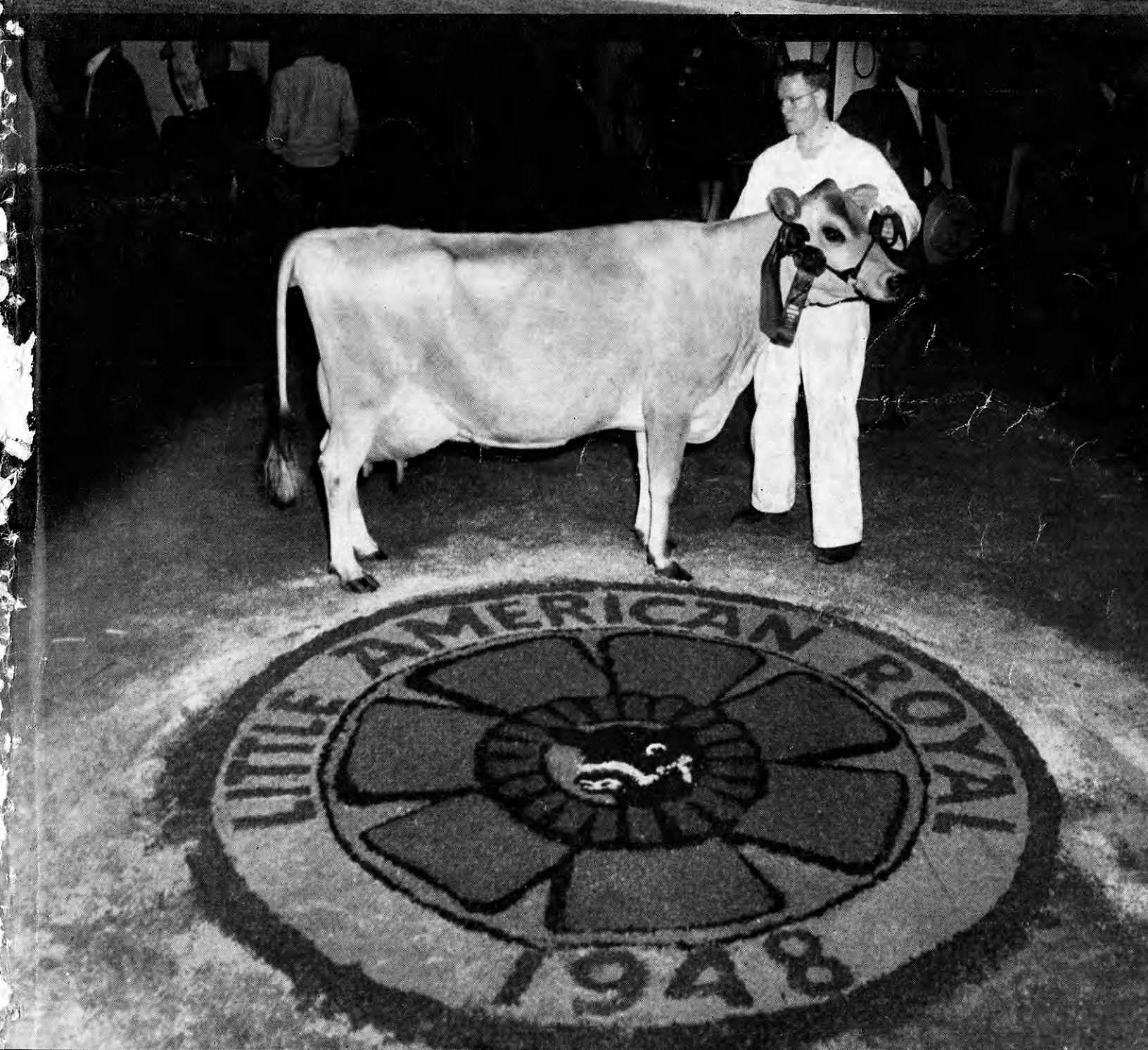


THE KANSAS

MAY 25 1948

COPI 1

# Agricultural Student



MAY • 1948

# Careers at GENERAL ELECTRIC

## 'PILE' ENGINEER . . . ACCOUNTANT . . . SILICONES SPECIALIST

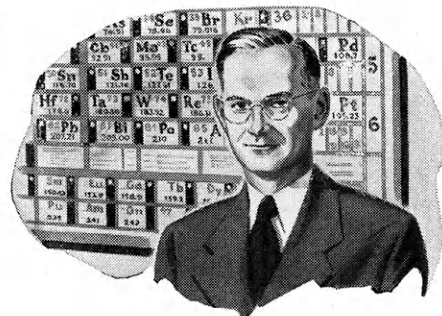
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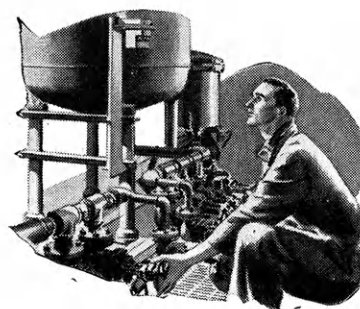
### UP FROM BTC

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# GENERAL ELECTRIC



THE KANSAS  
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 KANSAS STATE COLLEGE  
 OF AGRICULTURE AND APPLIED SCIENCE  
 MANHATTAN, KANSAS

Vol. XXIV

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No. 4

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## On the Cover--Ainslie Wins Dairy Championship

By HAROLD SEYMOUR

"Saturday night is the loneliest night in the week", but Saturday, April 10, wasn't a normal day at the College dairy barn. The Little American Royal climaxed six weeks fitting on more than 40 head of dairy cows and heifers. This event brought more students to the barn in one evening than there had been for several years.

Saturday evening was not the only busy part of the day at the barn. By 6:30 a. m. one entry was being washed. By 9 the wash stalls were full. Throughout the day, other entries were washed, groomed, and polished. There seldom was a time when some cattle could not be found with their blankets off and the competitors feverishly polishing hoofs or applying oil to give the hair a glossy appearance.

At 8 a. m. Professor Atkeson appeared to check the dairy department's representatives in the show and to give a little preliminary showing practice to those who had never shown before.

Mid-afternoon found John Weir Jr. the official dairy judge, and a committee checking the cattle for fitting. As this show is judged 50 percent on showing ability and 50 percent on improvement of the animals, those who were caught with their animals in the wash rack found themselves at a serious disadvantage.

Milking started at 3 p. m. as usual; but the order of milking was changed slightly as some of the veteran showmen sought the advantage of early milking. This allowed more milk to be secreted into the udder, and consequently gave a better udder appearance in the show ring.

By 5 p. m. most of the preliminary fitting was over, and many contestants had gone home to supper. Over in one corner, a showman was putting last minute touches on a somewhat impatient Holstein heifer.

At 5:30 the showmen began stringing back to the barn to prepare for their fate in the show ring. The only quiet time of the day came between then and 8 p. m., when the 2nd, 3rd, 4th and 5th place cows started coming back to the barn for a much needed rest after six weeks of grooming and a brief ring appearance. As each succeeding class was judged, those animals which failed to win the blue were led back to the barn.

Some handlers turned their cows loose with a sigh of relief. Others, especially those showing for the first time, did it with sighs of disappointment. Kanstacol Design Della was the last cow to return to her stall. Della, a Jersey cow shown by Harry Ainslie, was grand champion of the dairy division; this distinction allowed her to have a late evening date with the Ag Student photographers. It was near midnight when the lights went out, and the curtain fell on the brightest night in several years.

Louis Knight, Ag '23, has returned from Greece where he was serving with the agricultural section of the American Aid Mission as a representative of the State Department.

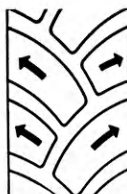
Dean R. I. Throckmorton is author of an article on dry farming in the New Britannica Junior, a reference for younger people published by the Encyclopedia Britannica.

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# Smith and Ainslie Are Top Showmen at Little Royal



George Smith wins the grand championship of the Block and Bridle division by exhibiting the aged Belgian mare, Roberta de la Barre.

By BOB STEELE

George Smith, animal husbandry senior from Shawnee, and Harry R. Ainslie, dairy production junior from Hartwick, N. Y., were proclaimed grand champion showmen of the 1948 Little American Royal, in the College Pavilion April 10. One hundred forty Ag students displayed their fitting and showing ability in the Block and Bridle and Dairy Club-sponsored show, the first since 1942.

Little Evelyn Ann Sullivant, five-year-old daughter of Mr. and Mrs. Tom Sullivant, Waverly, was crowned queen of the show by Dean R. I. Throckmorton of the School of Agriculture. The little queen contest was a new feature of this year's show.

To be eligible, the little lady was required to be between the ages of 2 and 6 and the daughter of a Block and Bridle or Dairy Club member. Contestants showing animals picked the queen by ballot. Other queen contestants were LaJean Gay, 2½, and Roberta Fay, 6, daughters of Mr. and

Mrs. Frank Carpenter, Stockton; and Sandra Sue, 6, daughter of Mr. and Mrs. Bob Steele, Conway.

President Milton S. Eisenhower of Kansas State presented grand championship trophies to the show winners. Smith, a member of the champion livestock judging team at Fort Worth this year, was presented a sterling silver covered dish, donated by the American Royal livestock show of Kansas City. He won by his showing of Roberta de la Barre, an aged Belgian mare. Ainslie was presented with a pen and pencil set in a holder mounted with a bronze Jersey bull. He won for his showing of Kanstacol Design Della, an aged Jersey cow.

Between showings, Emmett Breen, Kansas State football backfield coach, presented rope tricks; Jim Allred, Wichita, entertained with his trained Brahma calf, "Pancho Villa"; and the Clovia trio, Marion Terrill, Hutchinson; Kathleen Carey, Valley Center; and Elizabeth Mayall, Wichita, sang.

John Weir Jr., Geuda Springs, judged the dairy entries, assisted by Joe Wallace, College dairy herdsman. Weir was graduated from K-State in 1943 and is now a successful breeder of registered Jersey cattle. He is a director of the Kansas Jersey Cattle

(Continued on page 26)



Dean R. I. Throckmorton crowns Evelyn Ann Sullivant, 5-year-old daughter of Mr. and Mrs. Tom Sullivant, queen of the Little American Royal as Douglas George looks on.

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# Mrs. Musil, Unofficial Counselor To Aggies, Leaves Dean's Office



Mrs. Gertrude Musil, secretary to the assistant dean of agriculture.

By CHARLES ARMSTRONG

A long and helpful career ends May 15 when Mrs. Gertrude Musil's resignation becomes effective. She is the tall, stately lady who gives Ags excuses with a pleasant and understanding smile.

Dean C. W. Mullen's "right hand woman" has been in the ag experiment station office since 1925. During that 23 years, she has seen thousands of students come to K-State, some to drop out, many to graduate. She has watched them rise in their field. At some time or other she has been unofficial counselor to nearly every one of them.

When Ags return to the campus,

she is often the first one looked up. Indeed she is a friend of all who know her.

Mrs. Musil was known to students before 1945 as Mrs. Wheeler. That year she married J. F. Musil of Manhattan. He is clerk of the district court in Riley County.

In addition to her work in the Ag school, Mrs. Musil has reared two daughters, Marialyce and Eunice. In 1940, Eunice was a princess at the Ag Barnwarmer.

Eunice was graduated from Kansas State along with her husband, W. W. Justus, in 1942. They are now living in Lawrence while he attends law school. Marialyce is producing home talent shows with the Empire

Producing Company of Kansas City.

The secretary's only son died at the age of 4. He was kicked by a horse while visiting on a farm. This was in 1928.

Dean emeritus L. E. Call became dean of the School of Agriculture the same year Mrs. Musil took over the duties of secretary to the assistant dean, who was then Hugh Durham.

Mrs. Musil remembers many of the present faculty members as students. She recalls Dr. H. E. Myers, now head of the agronomy department, being awarded the Alpha Zeta medal for freshman scholarship.

During the war Gertrude kept in contact with many of the boys. With Dean Mullen, she compiled a mimeographed newsletter sent to each Ag in the service. Soon servicemen were sending her their distinctive shoulder patches. Her collection grew until, by the end of the war, she had more than 175 insignia.

She also helped with collecting and posting the pictures of the boys who gave their lives for their country. Both exhibits are displayed in the office where she works.

"One of the most compelling forces keeping me working after I was married," she remarked, "was my desire to see the boys come back to school after they were discharged." By now most of them who are coming back have re-entered school and many have been graduated.

Regardless of what she decides to do now, we feel sure she will be successful. We students in agriculture wish to express our thanks for a job well done and to say, "Good luck to you, Mrs. Musil."

Harold Black and Charles Herrick, seniors in Agriculture, have been hitting the banquet circuit during the past month. They were initiated in order into Gamma Sigma Delta, national agricultural scholastic fraternity, Alpha Zeta, national agricultural honorary fraternity, and Phi Kappa Phi, national scholarship organization. They became members of all three undergraduate honor societies open to Ags in less than a month.

Dale Apel and Norman Held, students in Agriculture, are featured in the May issue of McCall's magazine. The article and pictures describe their trip to National 4-H Club Camp in Washington, D. C.





"She's a beauty," agree these vocational ag students from Chanute as they analyze this Hereford during the FFA judging contest.

contest was the Olathe team, coached by E. Lee Raines. Runner-up teams and coaches were Smith Center High School, Charles Mantz; Chanute High School, Charles O. Carter Jr.; Thomas County Community High School, R. B. King; and Beloit High School, Howard Bradley. Elton Zimmerman from Olathe was high individual in this contest. Other high individuals were Bill Hays, Smith Center; Wayne Zimmerman, Olathe; Xury Hole, Chanute; and Don Friesen, Thomas County.

John M. Allison from the Shawnee Mission Chapter won the public speaking contest. He gave his speech entitled, "Push-Button Agriculture," at the banquet. Other winners in the public speaking contest were Charles Alexander, Olathe; John Lee Zielke, Buhler; Vernon McKee, Beloit; and Lloyd Wies, Downs.

The four classifications in the State FFA Chapter contest are Gold Emblem, Silver Emblem, Bronze Emblem, and honorable mention. The 1948 Gold Emblem winners were Buhler, J. A. Johnson, adviser; Beloit, Howard Bradley, adviser; Clay Center, Ray Morrison, adviser; Colby, Ronald King, adviser; Coldwater, L. E. Melia, adviser; Shawnee Mission, H. D. Garver, adviser; Olathe, E. Lee Raines, adviser; Stockton, F. A. Blauer, adviser; Highland Park, F. E. Carpenter, adviser; Atchison County Community High, A. G. Jensen, adviser; Minneapolis, J. Willis Jordan,

(Continued on page 30)

## Olathe, Inman Ags Take Top Honors in State FFA Meet

By WAYNE COLTRAIN

Kansas State was host to approximately 1,000 high school students and instructors in the twenty-fifth annual Vocational Agriculture Judging and Farm Mechanics contest and State Future Farmers of America convention, April 26 and 27. Twenty-five students competed in the state FFA speaking contest.

Honorary State Farmer Degrees were conferred on J. C. Mohler, secretary, Kansas State Board of Agriculture, Topeka, and Prof. George Montgomery and Prof. Harold L. Kugler from Kansas State College.

Seventy-one teams of two men each competed in the farm mechanics contest and 104 teams of three men each competed in the agricultural judging contests. Results of the two-day contests were announced at a banquet held in Nichols Gymnasium at the close of the meet.

Inman Rural High School coached by William J. Braun was high in the agricultural judging section. Runner-up teams and coaches in order were Clay County Community High School, Ray Morrison; Belleville High School, Carl H. Beyer; Cherryvale

High School, C. H. Young; and Coffeyville High School, Marvin Castle. Five high individuals in judging were Harlin Johnson, Frankfort; Vernon Pauls, Inman; Karl Rall, Clay Center; Charles Sanford, Belleville; and Randall Knox of Chanute.

Winner of the Farm Mechanics



Prof. A. P. Davidson displays the FFA plaque won by the Olathe High School team coached by E. L. Raines. Wyman White, Frank Carpenter, and Lester Crandall, officers of the Ag Education Club, assisted in conducting the state FFA contest.

# Freak Birds Have More Than Sideshow Value

By RICHARD EATON

In the past month, the Kansas State College poultry farm has received nation-wide publicity with reports of its collection of freak chickens.

To most readers, these short stories were good for a brief chuckle. Few realize that this collection of sideshow fugitives is more than a collector's whim.

In the majority of these freaks, the mode of inheritance was not known, so the purpose of collecting freaks was to make a survey of their inheritance. This collection has been accumulated by Dr. D. C. Warren over a period of 24 years. Many characters obtained have been used by other research workers.

As I gazed over this flock of odd looking creatures, a white silky-appearing individual attracted my attention. Doctor Warren explained that, when this silky breed first appeared among flocks of poultry fanciers, it was believed to have been a cross between a rabbit and a chicken! However such a cross is impossible. The fine silky appearance of the feath-

ers of silky breeds is due to the defective condition of the feather which prevents it from forming a firm web.

Silky plumage shows no preference for color, as it appears in red, black, white, and mixtures of each of these plumages. This breed also has black flesh. Silkies have occurred in all parts of the world.

Feathers on the neck of this silky individual were missing. The skin in that area was loose, thickened, wrinkled, and red or sunburned in color. This shaved or bare neck characteristic probably developed from a mutation and expresses itself as a simple dominant over normal neck feathering.

The common name given to the naked neck chicken was Turken, since it was wrongly assumed that the Turken resulted from a turkey-chicken cross. If such a cross would hatch, the resulting hybrid would most likely be sterile, as wide crosses of this nature usually produce sterile offspring.

The next freak that drew my attention was a completely naked bird.

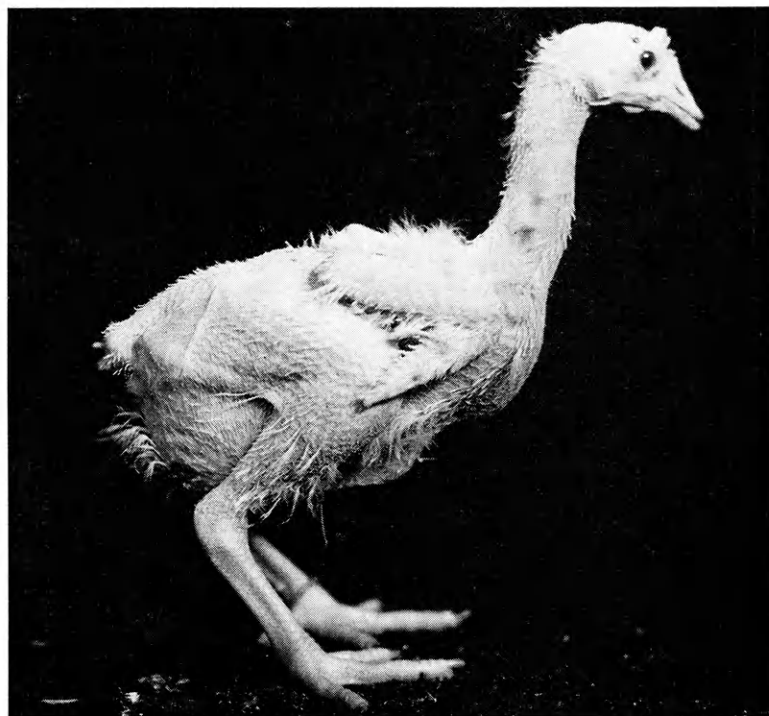
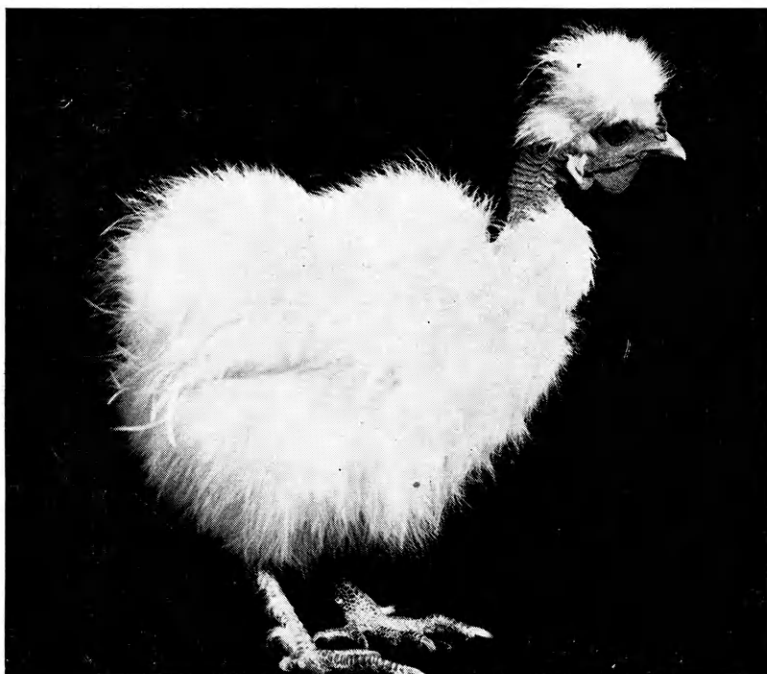
It is not uncommon to see a dressed market bird without any feathers, but to see a featherless chicken strolling around the pen was quite a shock to me. These naked chickens are rare, as they do not hatch well.

The chicks are fully covered with down at hatching, but the adult plumage fails to develop or grow. These birds not only have defective feathers but also have defective toe nails and beaks. It has not been possible to get these birds to breed although they appear in approximately 25 percent of certain matings.

In another corner of the pen a rooster's attempt to fly over the fence was unsuccessful. It seems that nature was tired of hearing complaints about chickens flying over fences. She solved this problem with a little deliberation by designing the flightless wing in chickens. These chicks appear normal at hatching.

When the feathers begin to grow, the short body feathers develop normally, but the flight feathers break when slight pressure is applied. New feathers that follow a molt or a shedding of feathers also break off as soon as they are dry. It is not very probable that this flightlessness will become popular among breeders as it mars the appearance of the bird and induces lower hatchability.

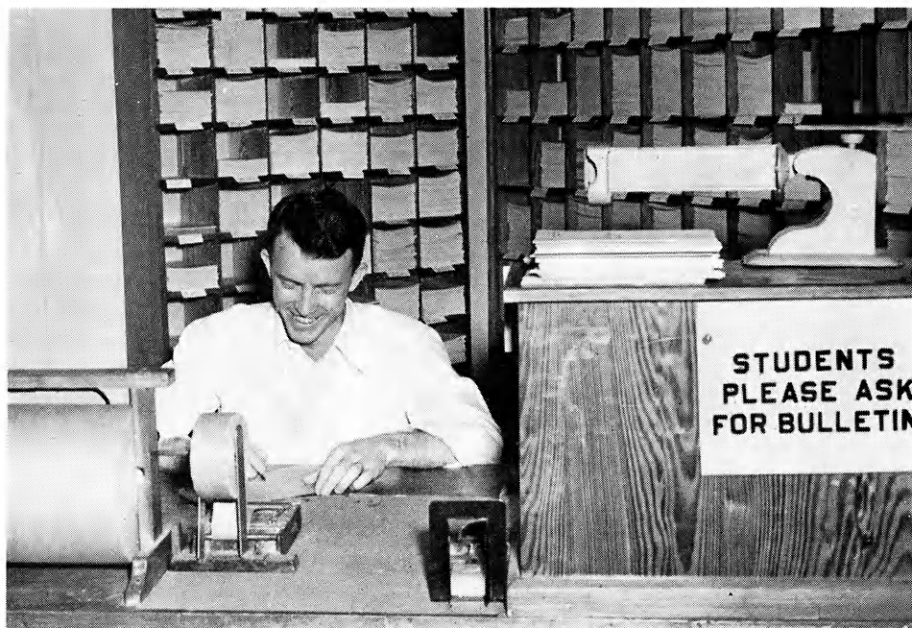
(Continued on page 20)



Fine feathers make fine birds. Here on the Kansas State Poultry Farm is a bit of variation in feathering. The Silky is hardly a freak although its feathers are unlike those we are accustomed to. However, the featherless chicken is definitely a freak. It never fails to startle visitors at the College farm.



# Publications Staff Disseminates Information on Many Subjects



Mailing bulletins and answering questions must not be too unpleasant, if John Lacey's expression is any indication. John fills about 75 requests daily.

By JIM ORTON

Every year Kansas State College experiment station workers write from 60 to 100 manuscripts. These reach the public as circulars, bulletins, technical bulletins, and reports and in scientific journals. Subject matter varies from "Etiquette in Rural Communities" to "Poultry Diseases, Their Prevention and Control."

In the March issue of the Ag Student, a case history of Technical Bulletin 64 was featured. The same pattern is followed in preparing other experiment station publications.

To define these publications will not give a true picture of their uses. Circulars are designed for distribution to both farmers and retailers. Latest information on production, processing, and marketing is included.

Circulars are written in non-technical language. However, before the information they contain is widely read by the public, it must be simplified. This is a job for the Extension Division or the farm press.

Bulletins include results of experimental projects. They are presented in non-technical language. But here again, the writing is above the av-

erage farm reader. "Only about two percent of Kansas farmers study bulletins," Dean Emeritus L. E. Call said.

"Farmers who do read experiment station bulletins are generally leaders in their community," Dean Call continued. "Through them, better farming methods are handed directly to other farmers."

Technical bulletins are written for scientific people. Most of the demand for these publications comes from other colleges. Industry and experts in the field of research reported on make wide use of technical bulletins.

Since 1922, an editorial committee has checked and approved all experiment station manuscripts before their publication. The committee has shortened publications. Average length of bulletins in 1901 was 22½ pages; in 1942, it was 16 pages.

Handling the mailing and distribution of experiment station publications is John Lacey, senior in Agricultural Education. He fills about 75 orders daily. About half of these requests are for information on some subject. John finds a bulletin containing the information and sends it out.

Large orders for complete bulletin sets come from county agents and vocational ag teachers, John says. Also, he mails bulletins to every country in the World. Frequently South American countries send for Kansas State publications.

"During the basketball season when Kansas State was on top, many of the requests ended with 'Keep those Wildcats Winning,' Lacey laughed.

"When a Kansas farm publication ran a story on 'Tomato Production in Kansas' based on Bulletin 313, I was swamped" Lacey said. Fifty requests a day hit the publication's mail room for Bulletin 313.

Although only 1500 to 5000 copies of each experiment station publication are printed, the information contained in them reaches most of the public. All bulletins are available for extension work, radio, farm press, and individuals. New cover designs, more pictures, and better journalism are helping make them readable to the public.

## Forty-two Join Alpha Zeta Ranks

By STAN FANSHER

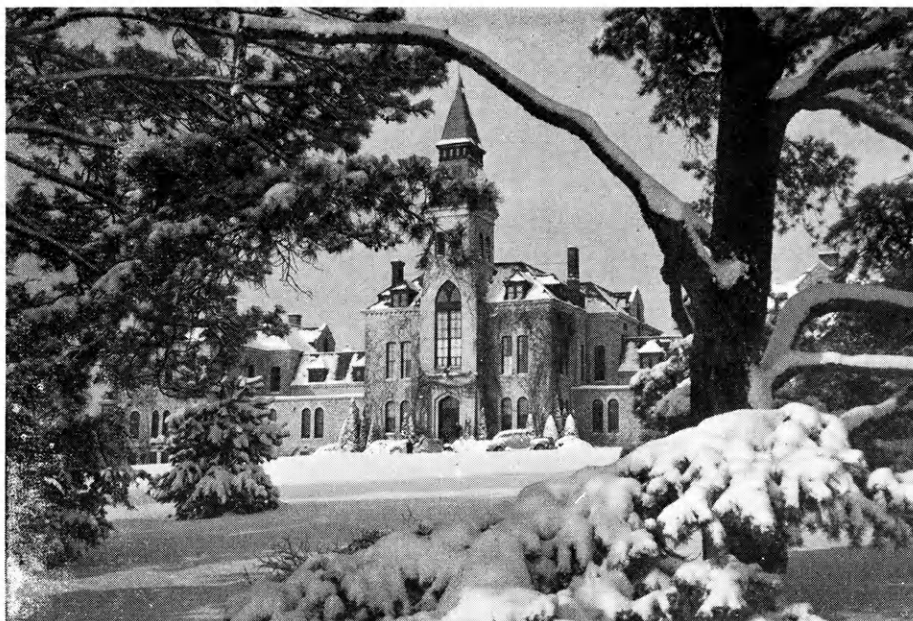
Forty-two men were picked for Alpha Zeta, honorary fraternity for students in the School of Agriculture, Monday, April 12, 1948.

Those picked must be in the upper two-fifths of their class in scholarship. Other factors considered are character and leadership.

Seniors named are Harold Black, James M. Collier, James Conn, Charles Foreman, Douglas George, Norville Gish, Charles Herrick, Clinton Jacobs, Wayne Keast, Earl Nichols, Wayne Pearce, James Rockers, Harold Shields, Joseph Schrader, John Sjo, Bobbie Steele, William Steele, Thomas Sullivant, and Frank White.

Juniors are Harry Ainslie, Harvey Arand, Kenneth Bell, Joseph Brady, William Cannon, Tom Carleton, Melvin Cotner, Thomas James, Arthur Lewis, Robert Mason, Norman Minks, Harold Ramsey, John Robins, Samir Shadid, Richard Thuma, and Lloyd Wiseman.

Sophomores include Donald Alexander, Kenneth Carson, Richard Chase, Norman Collins, Blair Hackney, Karl Ostlund, and John Schnitter.



Lyle Snider won first place in the Ag Student photo contest with this shot of Anderson Hall taken last winter.

## Snider Submits Winning Entry In Ag Student Photo Contest

By HAROLD A. RAY

When Lyle Snider left his car in the garage one day last winter it was a lucky break for him. For on his way to school that morning through the slush and snow, he snapped the prize-winning shot for this year's Ag Photo Contest.

His prize-winning picture was a view of Anderson Hall as you look through the snow-covered branches of the evergreens. Human interest shots were particularly good and the competition was keen.

The final persuasion of one entrant's wife won second place money for him in the contest. Another had committed his print to the wastebasket but decided to enter it as the fourth print.

The judges, Floyd J. Hanna and Prof. L. R. Quinlan, pondered over two shots for about ten minutes and then discovered the pictures were taken by the same person.

Charles Herrick, the second place winner, used the traditional press camera, a Crown Graphic, to snap his fine barnyard scene. Mary Mac-Caskill showed the boys that a girl can take agricultural pictures and

win prizes. Her photograph of a saddled horse grazing showed excellent detail and composition. Her camera was a twin-lens reflex. Marvin Lundquist won fourth place with a picture of a collie dog. Dana Jennings, the fifth place winner, used as his subject a farmer at the wheel of his tractor.

The other two winners were D. W. Kolterman and Loren Martin.

There were 53 pictures entered in the contest. Subject matter ranged from the hog wallow to scientific laboratories. Among the ideas pictured were a shot of a group breaking a horse, a skull, and several home farm scenes.

Following the judging three panels of pictures submitted were displayed by firms in Aggieville and downtown Manhattan.

The following firms and individuals contributed prizes to make the second annual Ag Student Photo contest a success: Wright's Appliance store, Manhattan Camera Shop, Palace Drug Store, Guerrant's Photo Shop, Wolf's Camera & Sport Mart, and Burk Photo Service. Prizes were awarded at Ag Seminar May 6.



Last year Marvin Lundquist entered a shot of Judy, one of the mules on his farm, in the photo contest. Proving that he still knows how to take winning shots of animals, Marvin placed fourth in this year's contest with this picture of Old Bing, his dog.



# Strickler Attributes Success To Kansas State Inspiration

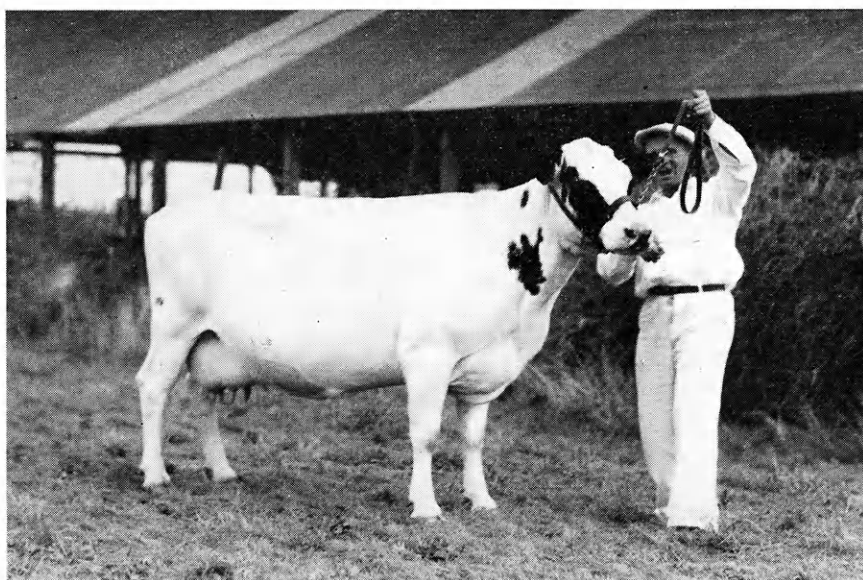
By ROGER HECHT

Fred Strickler declares a college inspiration was responsible for his becoming one of the nation's top Ayrshire breeders.

He attended Kansas State for two years in the Division of General Science. As a junior, he decided to major in Agriculture and minor in Dairy Husbandry. Toward the end of his

testing ever since and has set some high records, one cow producing over 100,000 pounds of milk in her lifetime.

After the depression, he started to expand. He advertised his cattle by taking them on the show circuit and winning high honors. He won top honors at most of the local shows and at fairs in other states.



Fred Strickler, K-State grad, leads Orphan Annie, one of the cows in his herd of purebred Ayrshires. Orphan Annie, in addition to winning championships at state fairs at Topeka and Hutchinson, has a lifetime production record of 120,000 pounds of milk.

junior year, this man, who had never seen an Ayrshire cow before coming to K-State, became so interested in dairying that he went to Ohio and bought two purebred Ayrshire cows. This was his start in the dairy business. He was graduated in Agriculture in 1925.

In 1926 he was married, and with his wife moved to a quarter section of land given him by his father. Here he built a new house and barn. The farm, located nine miles northwest of Hutchinson, has now grown to a full section.

Strickler bred Ayrshire cattle until by the time the depression hit he was milking 15 cows.

During the depression, he started to test the herd to find cows he wished to cull as unprofitable. He has been

He made such a name for himself that in 1939 he was chosen a Firestone Champion Farmer. Mr. Strickler was the ninth Champion farmer chosen. There are now 135 Champion farmers in the United States, two of them in Kansas.

In 1940, Strickler was again honored, this time by being chosen a Kansas Master Farmer.

In his community, Fred is also a leader. He has been a director of the Coop creamery for several years. He was a committee member of the AAA in 1941 in Reno County. He was a director of the Kingman Production Credit Association for six years before being named president. He is now serving his second term.

Besides this extra activity, he still has been breeding good Ayrshire cat-

tle. He has his herd classified and the average is .884 percent. He has three cows on the farm that classify excellent and 16 that classify very good. This is a high average, .900 percent being the average of excellent.

Strickler exhibits in all the top shows in central Kansas and at the Dairy Cattle Congress at Waterloo, Iowa. He had four head in the Kansas state herd that placed first at Waterloo last year.

The Stricklers have two sons and two daughters. The oldest son, Lowell, now a junior in Dairy Production at Kansas State, with his father had the first place produce of dam class and the first place three best females at the Waterloo show.

## Beef Essay Winner Will View Chicago

By MELVIN COTNER

A trip to Chicago may be yours by writing an essay on "The Rib of Beef," and sending it to the Saddle and Sirloin Club at Union Stock Yards, Chicago, Ill., before November 1. All undergraduates in agricultural colleges in the United States and Canada are eligible.

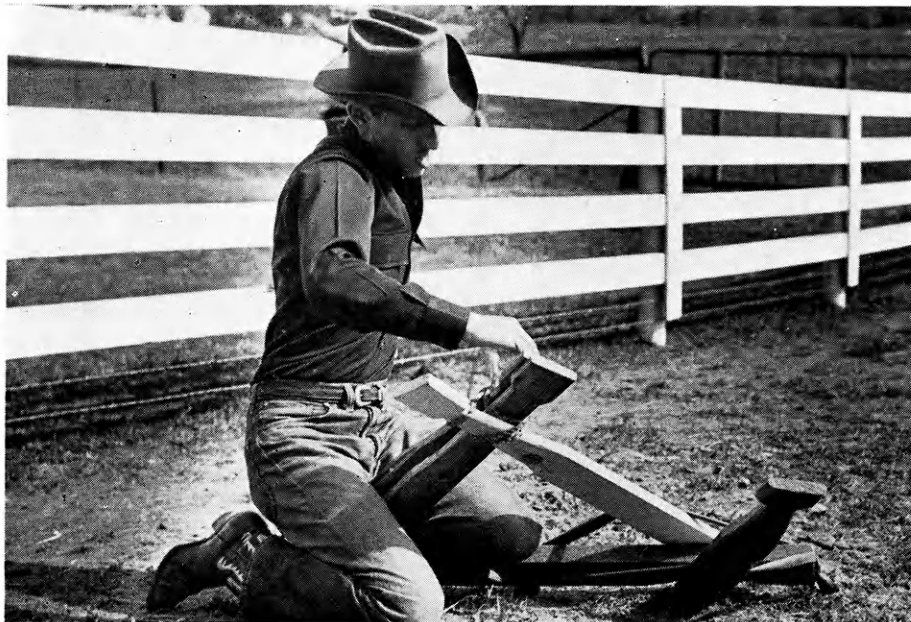
The winner will receive the "Ruth" gold medal at the annual dinner of the American Society of Animal Production to be given by the Saddle and Sirloin Club. There are nine other prizes including the "Ruth" silver and "Ruth" bronze medals, and choices of agricultural books.

A sterling silver cup is offered by the club to be awarded to the college making the highest rating among the top twenty essays, and to be won three times by one college for permanent possession.

Essays will be approximately 2,000 words in length, must be written on one side of the paper and typewritten if possible. The contestant should write his name and address on a separate sheet of paper and attach it to the essay. No name or address should be on the essay. Essays should be submitted to Charles E. Snyder, 836 Exchange Avenue, Chicago 9, Ill.

All students of Kansas State College are eligible to enter the contest. More particulars are available in Room 105, East Ag.

# Chaparajos Sponsor Second Annual Intercollegiate Rodeo



It takes more than a shortage of calves to discourage the cowboys at K-State. Sam Koury, president of the Chaparajos, demonstrates calf tying with this mechanical steer.

Wyoming University won the school championship of the second annual Intercollegiate Rodeo sponsored by the Chaparajos Club of Kansas State April 30 through May 2.

Other schools represented included Colorado A and M, Oklahoma A and M, Western State College of Colorado, Arizona, Arkansas City, and Dodge City in addition to the host club.

Points for the championship were scored in five events—bull riding, calf roping, saddle bronc riding, bulldogging, and bareback bronc riding. In addition to team awards, individual performers competed for cash prizes.

Bill Whitney of Wyoming University won the champion all-round cowboy award—an engraved gold and silver belt buckle.

In the calf roping, Oklahoma A and M was strong but Jim Stockton of Arkansas City Junior College won first place. Clem McSpadden and Harold Emery, both of Oklahoma A and M, took second and third places.

Dale Harris of Wyoming won first in the bull-dogging event. Jack Warren of Arkansas City and Dick Warren of Kansas State were second and third.

In the bareback bronc riding, Western State College of Colorado took first and second places with Bob Pogna and Curtis Lashbrook as representatives. There was a third place tie between Harry Dader of Colorado A and M and John Gammon of Wyoming.

Whitney of Wyoming, later named

all-round champion, won the bull riding contest with Bob Ames of Colorado taking second and Bud Stiles and Gammon, both of Wyoming, tying for third.

Saddle bronc riding was not averaged over the three meets. Session winners were Chuck Nachtrieb of Western State College and Bill Holland and Chuck Terrill, both of Colorado A and M.

Between acts, trick roping and riding and clowning held the attention of the audience. Among the performers was Emmett Breen, backfield coach of the Kansas State Wildcats. Breen, a former artist with Ringling Brothers Barnum and Bailey circus, demonstrated his ability to make a rope follow his commands.

Jim Allred, a member of the Chaparajos, kept the crowd amused by his clowning. He also presented his trained Brahma, Pancho Villa, in comedy acts.

At the Sunday performance of the rodeo, Iris Rahn, junior in home economics from Arkansas City, was crowned queen of the show.

Officers of the Chaparajos Club are president, Sam Koury; vice-president, Jim Allred; secretary, Jean Neal; treasurer, W. S. Anderson; historian, Ted Bryant; corresponding secretary, John Hart; publicity chairman, John Finley; and faculty sponsors R. B. Cathcart and Don Good, both of the Animal Husbandry department.



Jim Allred, Kansas State's rodeo clown, and his Brahma, Pancho Villa, conclude their act at the Little American Royal. They also entertained at the rodeo.





Officers of the Agricultural Association next year will be Melvin Cotner, editor of the Ag Student; Harold Ramsey, president; Charles Glenn, assistant manager of Ag Barnwarmer; Louis Emme, secretary; James Kirkemide, manager of Ag Barnwarmer; and Norville Gish, vice-president. Kenneth Bell, treasurer, was unable to be present for the picture. These students were elected at Ag Seminar in April.

## Fast Pace of Ag Dean Includes Magazine Work

Beginning with the current issue, Country Gentleman magazine is carrying on its masthead the name of "R. I. Throckmorton, consulting editor." Known to his colleagues in Kansas agriculture as "Throck", this contributor has for the past two years been dean of the School of Agriculture at Kansas State College and director of the Kansas Agricultural Experiment Station, research agency of the college. Throckmorton has been doing consulting work for the Country Gentleman since 1940.

Probably no administrator on the K-State campus takes his work more seriously or his title more lightly than does Dean Throckmorton. Though keeping touch with a maze of details and meeting a strenuous travel schedule, he still finds time to turn a lot of his experience into good copy for farm magazine readers.

"I first wrote for the Country Gentleman in 1925. Bob Reed was associate editor of the magazine then, and he requested me to write some shorts," said the dean.

Anyway, the publishers liked these so well that they asked for more. With no formal training in journalism Throckmorton advanced as a writer

until he was doing agricultural feature stories. He depended on natural ability and a sense of what makes good reading. His latest article, "Fertilizers Go West," appeared in February. He has done perhaps 20 others and hundreds of shorts.

Back in 1911 R. I. Throckmorton came to Kansas with a brand new Bachelor of Science degree in agriculture from Pennsylvania State College. He wanted to do soils survey work rather than teaching. Kansas State then was young in research and the opportunity looked better to Throck than more lucrative offers he had received in the East. Soil survey work lasted two years, then he was drafted into teaching. He liked this work, he discovered, and decided to stay with it, combining college teaching in agriculture with research work as agronomist in the experiment station.

He studied, too, completing his master's degree at the college in 1922. Administrative work came his way in 1925 when he was named head of the college agronomy department. As department head he continued teaching until his appointment as dean of the Ag school and director of the experiment station in 1946.

Throck soon became naturalized as a Kansan, marrying a Manhattan girl

and rearing a family of three. Mrs. Throckmorton, the former Marcia Story, was a Kansas State grad in home economics who taught in Kansas high schools several years. His son, Ray Throckmorton Jr., didn't follow in Dad's agricultural footsteps. He is now a senior in the engineering school at K-State. Throck Senior admits his son had a mind of his own in the matter, but says he wouldn't have tried to decide the matter of vocation for him if he could. One daughter has graduated from Kansas State College and the other may enter next year after spending two years in an Eastern girls' school. So Dad says, anyway.

Businesslike in all his actions, Dean Throckmorton has that rare and happy combination of brusqueness and cordiality. He calls his department heads "Bill" and "John"—and they call him "Throck."

Students find him interested in their problems and their plans, but tough about campus parking tickets. Townspeople know him as civic minded, active in Chamber of Commerce and Rotary affairs.

F. W. Wilson, Ag '05, is professor of animal husbandry at the University of Nevada. He is also secretary-treasurer of the Nevada Hereford Association.

# Ag Situation Has Forecast Farm Prices for 25 Years

By RALPH BURDICK

June 16 marks the silver anniversary of The Kansas Agricultural Situation, the publication in which the Kansas State College forecasts market trends. The Kansas Agricultural Experiment station was one of the first educational institutions in the United States to publish market forecasts.

The first issues of The Kansas Agricultural Situation were mimeographed. Only a few hundred copies were made. Today, over 14,000 copies are printed and distributed monthly throughout the nation and to foreign countries.

The forecast is prepared by the Department of Agricultural Economics of the experiment station. It forecasts price trends for farm products and briefly summarizes business trends. These forecasts are not made by mere guesses or by gazing through a crystal ball. They are the result of intensive study of market factors.

The problem of forecasting market trends is one of weighing demand against supply. Particular attention is paid anticipated future changes in market supplies and consumer purchasing power. The probable needs for foreign relief as well as domestic needs play an important part in solving this problem. Psychological attitudes of consumers toward future prices and market conditions also affect market forecasting.

In compiling information for the Agricultural Situation, facts are gathered daily from numerous market reports. The United States Department of Agriculture supplies much of the statistical data. The acreage of crops seeded, condition of growing crops, and estimated yields are examples of the data published by the U. S. D. A.

Information on livestock is also furnished, such as the number of livestock on feed, rates of production of eggs and milk, and the intention of farmers to breed livestock. Letters and publications from commercial companies such as mills, grain companies, and packing plants

are helpful in forecasting market trends.

A few private individuals and firms make a business of estimating the quality and quantity of crops and livestock. Their estimates supply added information in determining future prices. Reports from foreign countries aid in providing a world picture of the market situation.

After collecting all the available information affecting the market, the facts are analyzed. A certain amount of opinion enters into this process. However, this opinion is governed by the data at hand. Forecasts in The Kansas Agricultural Situation are made upon the results of the analysis.

Distribution of the publication is handled through the Kansas State College Extension Service. Copies are distributed on a request basis. County agents throughout Kansas request a given number of copies and redistribute them to farmers in their areas. Some county agents mimeograph the information in the Agricultural Situation in their newsletters to farmers. All press associations in the United States receive copies on the first Monday of each month. Millers, trade associations, and other business enterprises from many parts of the United States are

on the mailing list of the publication. The Agricultural Situation is also used as the basis for a weekly radio broadcast over Radio Station KSAC by members of the Department of Economics and Sociology.

The fact that circulation of the publication has increased so much in 25 years of publication is an indication of its value to farmers.

## Block and Bridle Announces Stock Judging Contest

Block and Bridle's annual livestock judging contest May 15 will be studied with awards. Five high judges will win three-day market study trips to St. Joseph, Mo. There will be scores of additional prizes including medals, livestock equipment and supplies, and subscriptions to numerous farm publications.

Members of the senior livestock judging team will conduct the contest with judges from the animal husbandry staff.

Junior division of the contest is open to any Kansas State student. Those having had the course in principles of livestock selection are eligible for the senior division.

Two classes of each—cattle, hogs, and sheep—will be judged with a class each of heavy and light horses.

Contest awards will be presented at a supper the following Monday evening.



During harvest time, Kansas farmers work late. Marvin Lundquist won a special box camera award with his picture taken the last round before quitting time one evening last summer.



# Milling Chemist Harvests Honors

By RAY DOYEN

With a 2.98 point scholastic average and a host of scholastic awards, Marlo Dirks has gained recognition as a student likely to succeed in the field of milling chemistry.

Marlo spent his high school days at Moundridge. During his four years there, he lettered in football, basketball, and baseball. He also found time for music and was a member of the high school band and glee club before his graduation in 1938.

Before coming to college in 1940, he got two years practical milling experience in a flour mill at Moundridge.

During his freshman year at K-State, Marlo was recognized as an outstanding student and athlete, receiving the Alpha Mu award for high scholarship in Milling, Alpha Zeta scholarship medal for high freshman in Agriculture, Phi Kappa Phi recognition, and a freshman numeral in basketball. Marlo's modesty and pleasing personality have been factors in his achievements.

He did not rest on his freshman laurels, but as a sophomore, received scholastic honors and a varsity letter in basketball. He also took an active part in YMCA as a member of the gospel team in 1942. That spring he was initiated into Alpha Zeta.

As a junior Dirks was elected president of his class. He was also elected secretary of Alpha Mu, honorary milling fraternity. He continued his basketball career, receiving his second varsity letter. He was elected vice-president of the K-Club before entering the service in February 1943.

After one year in ASTP at Ohio State, he ended in the corps of engineers on the atomic bomb project at Oak Ridge, Tenn.

He resumed his college activities in 1946 after his discharge from the service. Soon he was made president of the Milling Industry Association. He continued to make high grades and decided to get his bachelor's and master's degrees at the same time.

For his master's degree, he conducted research on the separation of proteolytic enzymes from amylolytic enzymes in flour supplements.

Basketball remained a part of his



Marlo Dirks services equipment used in the milling laboratory.

activities as he lettered for the third time. He was selected for Who's Who in American Colleges and Universities. Last spring he became a member of Phi Lambda Upsilon, honorary chemistry fraternity.

Last fall, with only two semesters to complete his degree, Marlo dropped basketball from his list of activities to concentrate on his scientific work. However he found time to serve as vice-president of both Blue Key and Alpha Mu. Recently he became a member of Sigma Xi, honorary sci-

entific fraternity, and Gamma Sigma Delta, honorary society in agriculture.

After graduation this spring, he hopes to enter teaching or research work. As a member of Alpha Zeta he was chosen as the Kansas applicant for the \$1200 graduate fellowship offered by the national organization.

Since he has considered going to the University of Minnesota next fall for advanced work in Ag bio-chemistry, this award would help him realize his ambitions sooner.

## Landscape Students In National Contest

By ROY F. PENNAK

Ralph Ricklefs, Howard Borchardt, Robert Bell, Kwing Yeu Ting, and Roy F. Pennak, KSC students of Landscape Design II, recently submitted entries to a contest being held at the University of Georgia. This contest is being sponsored by the landscape schools throughout the United States and the American Society of Landscape Architects.

The problem presented to the students entering the contest was to design a recreation center for a New England community. Playgrounds

for various age groups of children, a wading pool, a school, and large playing areas for football, baseball, and soccer had to be designed within the center. Topography also had to be taken into consideration.

After all the designs are judged and receive professional criticism at the University of Georgia, they will be returned to the entrants with the criticisms. The winning entries are then sent to the participating schools for display.

Grass breeding specialists from 14 states will meet here May 24 and 25 for the second annual Great Plains and Intermountain Grass Breeders' conference.

# Kansas Livestock Feeders Gather for Annual Program

HOWARD LINDHOLM

Nearly 2,000 feeders and stockmen attended the 35th Annual Livestock Feeders' Day Program at Kansas State College, Saturday, May 1.

The stockmen spent the morning at the barns viewing experiments with beef cattle, swine, and sheep. Benches were set up north of the cattle barn and, with the aid of a loudspeaker, members of the animal husbandry department reported and explained the experiments carried on at the College farm the past year.

Over 1,800 feeders and stockmen were served at a luncheon sponsored by the Kansas Livestock Association and served by the members of the Block and Bridle Club.

A program for the wives of stockmen was held in West Ag at 1:30. Miss Dorothy Holland, a member of the Home Service Department of the National Livestock and Meat Board, demonstrated modern methods of

meat cookery. Among the methods demonstrated were roasting a rib of prime beef, braising with a chuck roll, and broiling with a center ham slice.

Dr. Gladys Vail, head of the department of food economics and nutrition at the college, spoke on "First Hand Experiences with Precooked Foods". Miss Pat Siwan presented some impersonations of Betty Hutton.

Paul Gerlaugh of the Ohio Agricultural Experiment Station and president of the American Society of Animal Production discussed results of experiments at the Ohio station in the afternoon session. Herb Barr, Leoti, president of the Kansas Livestock Association, presided at the afternoon session in the pavilion.

Other speakers were President Milton S. Eisenhower, Dean R. I. Throckmorton, Dr. A. D. Weber,

and Prof. C. W. McCampbell of the College.

Walter H. Atzenweiler, Agricultural Commissioner of the Kansas City Chamber of Commerce, and Lot F. Taylor, Extension Animal Husbandman from the College, presented the winners in the Kansas Beef Cattle Producers Contest.

Experimental results presented during the morning compared present feeds to such feeds of the future as mustard seed meal and dehydrated brome grass meal.

Conclusions that \$100 a ton cottonseed cake was worth \$347 a ton in gains to yearling steers at present beef prices and full feeding on dry lot was more efficient than full feeding on bluestem pasture were included in beef cattle investigation results reported.

Feeding one-fifth ounce of bicarbonate of soda to lambs on full feed prevented scouring and death losses. The soda proved better than sulfur tried in earlier experiments as it didn't retard gains.

Tests in feeding loose salt to hogs resulted in more gain for those not fed salt than those where salt was self-fed.



Making plans for improvement of the Ag Student are the members of next year's staff. They are Dean Reese, business manager; Norville Gish, associate editor; E. B. Macy, faculty adviser; Dale Wiseman, associate editor; Melvin Cotner, editor; James Orton, associate photographer; John Schnittker, associate business manager; and Wyman White, photographer. In addition to planning next year's magazine, they have aided in the preparation of this issue.





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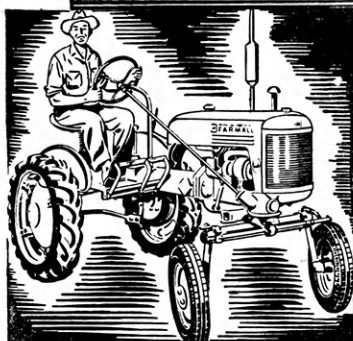
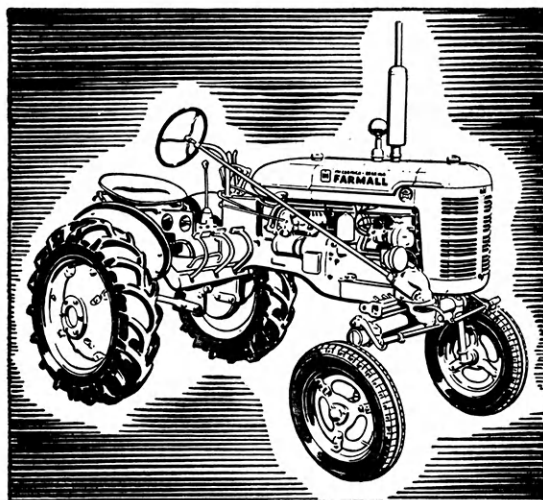
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## AGS ARE

It takes a lot of work to prepare for the Little American Royal. Students responsible for the event were Clair Parcel, George Douglas, George A. James Collier. They completed the centerpieces when the Ag Students caught them.



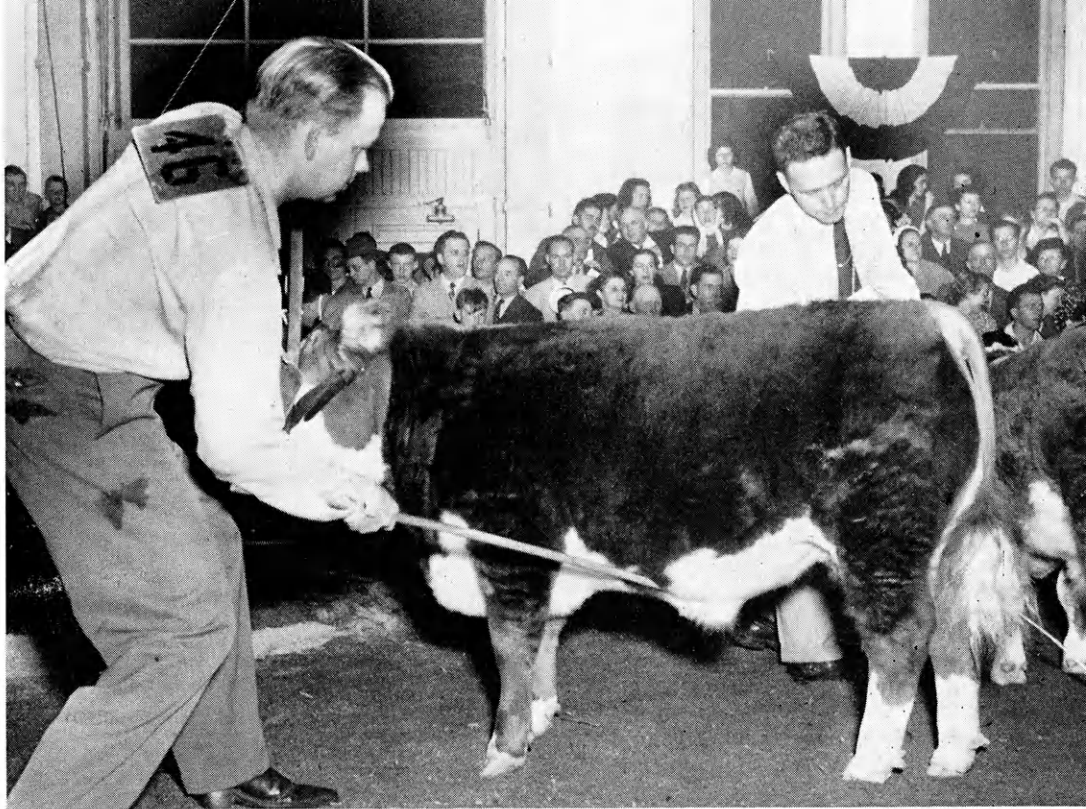
The man with the broadest grin at the Little Royal was Jack Wise. Jack had reason for the grin. He had just won first place in the Hampshire ewe class and reserve championship in the sheep division. It was, he said, his first experience showing sheep.





# E ACTIVE

planning and hard  
for a show like the  
oyal. Among the  
e for the success  
Charles Foreman,  
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Arthur Jacobs, and  
ey had just com-  
e in the arena  
ent photographer



Fitting an animal is only half the battle, as Tom Carleton demonstrates in this class of Hereford calves. The other half is showmanship in the ring. While watching the judge out the corner of his eye, Tom works to straighten the backline of his calf.

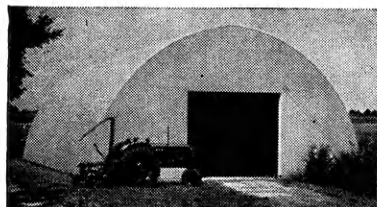
# TIME PROVES

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## Koch Wins Soils Essay Contest

By J. J. ROCKERS

Alfred Koch, senior in Soil Conservation, won first place in the Thompson Phosphate Essay contest sponsored by the Thompson Phosphate Company of Chicago. His subject was "The Availability of Soil Forms of Phosphorus Under Various Soil Conditions."

James J. Rockers, senior in Soil Conservation, won second place with his essay "The Place of Phosphorus in Plant Nutrition." Herbert A. Matey, freshman in Agriculture, discussed "Our Good Earth—Where Will It Be in 1998?" to win third place.

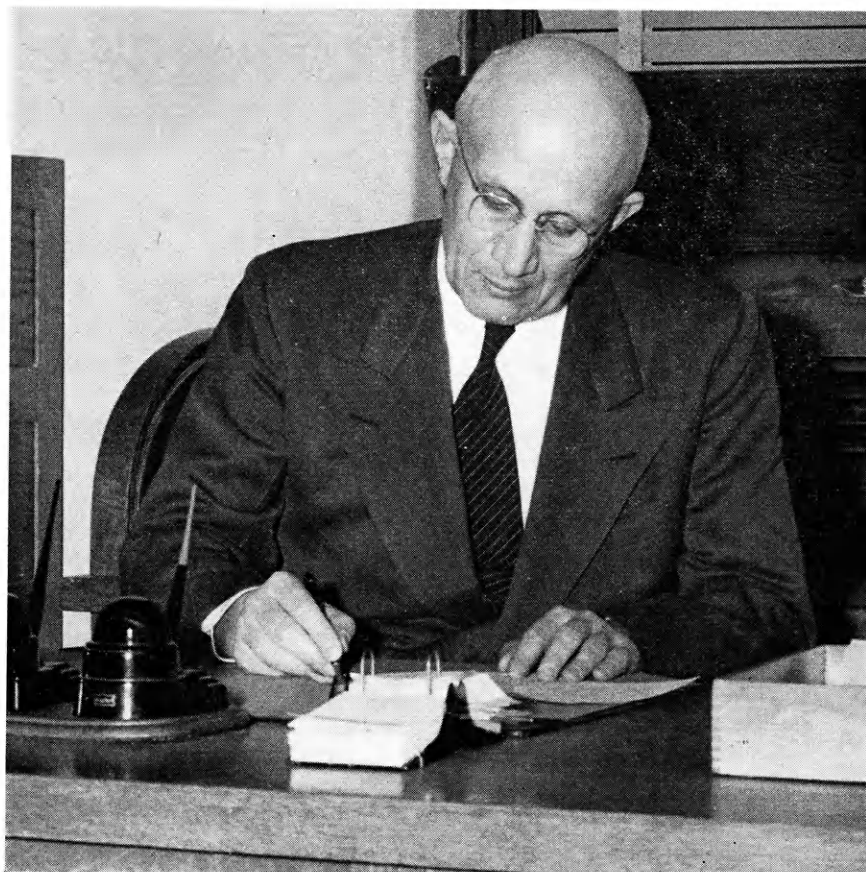
Koch received \$75 as a prize for his winning essay. Rockers and Matey received \$50 and \$25 respectively. The awards were made at the Klod and Kernel Klub picnic following the crops judging contest May 8.

Koch's essay covers soil fertility

as it is affected by phosphorus from the technical and theoretical standpoint as well as from the practical view. In brief, he writes that the big problem in regard to phosphorus is not the total amount of the element in the soil. In most cases, total phosphorus is adequate for ordinary plant growth. However the amount which is available and in forms that can be used by plants may be deficient.

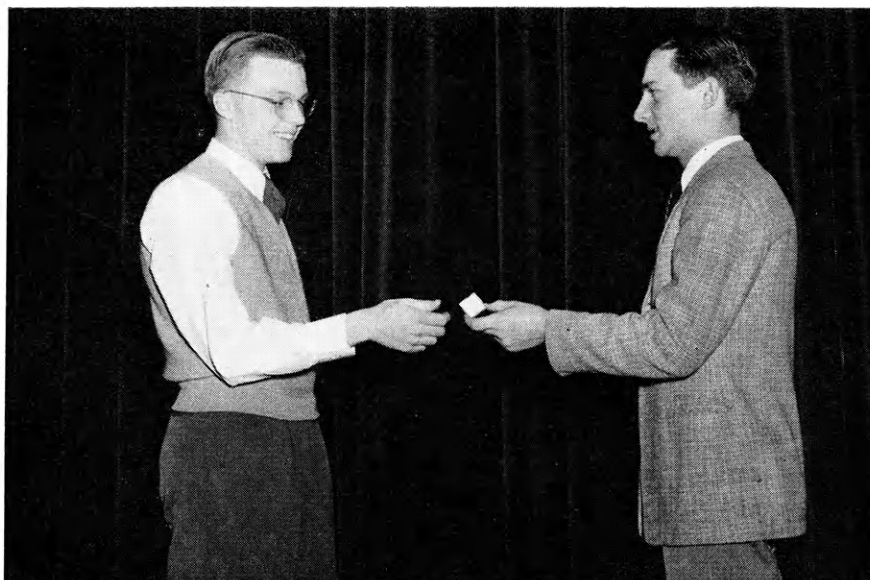
In general, phosphorus combined with calcium or magnesium is most available and that combined with organic matter next. Phosphorus combined with iron or aluminum is relatively unavailable and that present in rocks is least available of all.

There are many factors which affect the availability of phosphorus. Among the most important are the amount of phosphorus available in the compounds of the soil, manner of combination with the clay materials, pH of the soil, amount of carbon dioxide present, number and kind of microorganisms present, colloidal content of the soil, and soil type. Plants and moisture content also have some influence on the availability of phosphorus.



Dr. A. D. Weber, head of the Department of Animal Husbandry, was honored by the establishment of a scholarship fund in his name by the Century Club of the Kansas Livestock Association. The fund was announced at the annual meeting of the organization last March.





Floyd Rolf awards Norman Collins the Alpha Zeta scholarship medal for having the highest scholastic average in the freshman year in the School of Agriculture. Norman missed a straight A average by one hour.

## Norman Collins Wins Alpha Zeta Award

By DICK WINGER

Winner of the first postwar Alpha Zeta freshman scholarship award was Norman R. Collins of Topeka. The award, a scholarship medal, is presented annually to the sophomore in agriculture who received the highest scholastic rating during his freshman year. Although presentation of the award was discontinued during the war, the practice was resumed this year. The presentation was made by Floyd Rolf, chancellor of Alpha Zeta, in Ag Seminar, May 6.

Scholastic honors are not new to Norman. He was graduated from Topeka High School with high honors in 1946 and received freshman Phi Kappa Phi recognition here at Kansas State College.

Coming to Kansas State in the fall of 1946, Norman chose the curriculum in agricultural administration. When asked why he chose Kansas State for his college work, he replied that it was practically a tradition in his family for both of his parents are alumni of the school, as are several other close relatives.

Although he has been in college only two years, Norman has participated in many activities. As a freshman, he was made a member of the YMCA and Wesley Foundation cabinets and continued in these positions as a sophomore. While on the Y cab-

inet he was chairman of student forums.

Music has not been neglected, for it is one of Norman's hobbies. He has served as organist for Wesley Foundation for two years and is a member of the student chapter of the American Guild of Organists.

Joining the Collegiate 4-H Club his first year at Kansas State, he took an active part and was selected to represent the club at the UNESCO Conference in Denver last spring. This year he is serving on the radio committee of the organization.

Norman is a member of Farmhouse social fraternity, having pledged during his freshman year.

The fall semester of his sophomore year, he was a member of the UNESCO Council here at Kansas State, representing the Collegiate 4-H Club. The College debate team took much of his time the second semester.

As he is enrolled in Ag Administration, Norman is doing his major work in economics and upon graduation he plans to do graduate work in that field.

A scientific paper, "Kaolin and Treated Kaolins and Their Reactions," by Dr. A. T. Perkins, soil chemist with the Agricultural Experiment Station, was printed in the February issue of Soil Science. In his paper, Dr. Perkins records the results of his investigation of chemical composition, phosphate fixation, base exchange capacity, and reactions of kaolin and treated kaolins.



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# REED'S TIME SHOP

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## FREAK BIRDS

(Continued from page 6)

A few other freak conditions exist in these fowls which deserve mentioning. Everyone knows the "new look." Legs are well covered. Well, some breeds and varieties of chickens also have the new look.

Most Asiatic breeds have feathered legs or shanks, although it should be noted that some breeds differ from others in the amount or extent of leg feathering. Cochens, for instance, carry leg feathers down to the toes, while in other breeds feathering stops at the knee or hock.

Most chickens have four toes. Sometimes a bird appears with extra toes, five being the most common number. However, there is also a six-toed bird at the poultry farm.

Another example is the web foot condition similar to the webbing of a duck's foot. In chickens that possess this character usually the third and fourth toes are united by a web. This condition does not affect a bird's walking ability nor does it permit it to swim.

Other freak characteristics in chickens at the poultry farm are side-



"You can feel the mud on this sow and her pigs," commented the judges as they looked at this entry submitted by Charles Herrick. The hogs came out of the wallow in time to win second place in the Ag Student photo contest.

sprigs, crests, muffs and beards, frizzled plumage, frayed feathers, stringy feathers, rumplessness, dwarfism, pinkeye, and creeper. Crossbreeding and inbreeding these birds would produce offspring which express a com-

bined assortment of these freak conditions, extremity of the expression depending upon the number of factors involved.

It appears that chickens have the ability to lay different colored eggs. This seems unusual and should probably remain a job for Easter rabbits.

It doesn't take freak chickens to lay these freakish colored eggs. Blue eggs are very common in South American fowls. These blue eggs usually lack uniformity. There are bluish, blue-gray, purplish, greenish, gray-green, and even green eggs with brown speckles.

Shipments of these birds to the United States have taken place for many years. Crossing these blue egg varieties with brown egg varieties produces olive colored eggs. Crossing of these blue egg breeds to white egg breeds produces tinted blue eggs. It is apparent from these results that breeding for colored eggs is entirely possible from a selected flock of chickens.

Even though a knowledge of these conditions has little or no particular value, information regarding these simpler traits may help to determine how some of the more complicated economic traits are transmitted. The chicken is the one domestic animal of which it is possible to learn considerable about its genetic makeup without requiring too extensive facilities. Not only do they breed rapidly, but they can be handled in large numbers.

## Lesson for after School

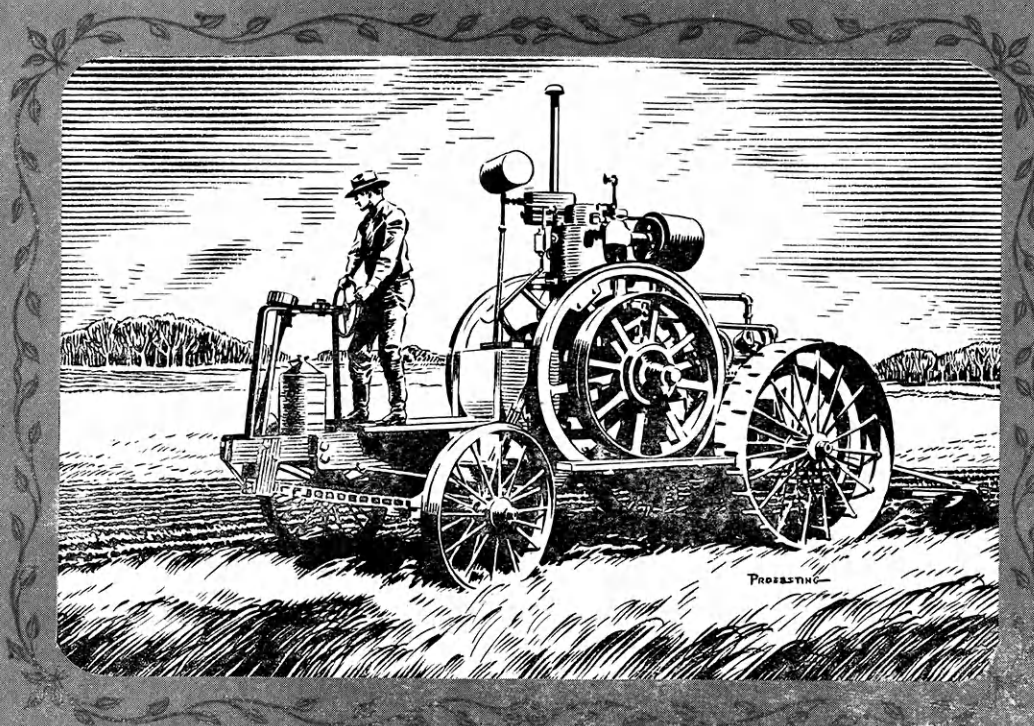


Standards for livestock are constantly improving. Breeders are developing better strains of meat animals—new feed and fodder crops are being discovered. These scientific advances are reflected in the prize animals shown at the yearly, great International Live Stock Exposition in Chicago, at similar large expositions in other sections of the United States, and at State and County Fairs throughout the country. Visit these shows frequently while you're still in school. It's part of your education. And keep up the habit after you have left school—for at these shows you will see the patterns for the animals you must raise to keep abreast of the market.

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# Album of American Agriculture



## THEY CALLED IT A TRACTOR

**D**URING the summer of 1892, in the shade of a village store in northern Iowa, John Froelich built the first gasoline tractor that propelled itself either forward or backward. The inventor—who had conceived the idea of reducing the bulk and weight of the traction engine by powering it with gasoline rather than steam—little dreamed, however, that the cumbersome contraption he and his helper called a tractor would revolutionize American agriculture.

On the day of its first trial, Froelich's one-cylinder, gasoline burner stilled the most rabid critic by chugging out to a nearby farm and proving that it could pull drawn equipment as well as operate belt-driven machines.



The Waterloo Gasoline Traction Engine Company, formed by John Froelich and his associates, experienced many lean years as it struggled to develop and popularize its new tractor. Great expansion came, however, when this organization became a part of the John Deere organization. Production of the "Waterloo Boy" tractor was continued, and later the famous John Deere Model "D" tractor was developed to meet the unprecedented demand for power equipment unleashed by World War I.

Today, the modern John Deere tractor—built in models and power sizes to meet every farming need—is playing a vital role in the power-farming age ushered in by its granddaddy, the Froelich tractor!

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- A small adjustment may quickly put your pen in perfect condition. Bring it in today!

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## Scholarships Help 131 Sears Students Study Agriculture

By DALE APEL

"When I received that \$150 I was sure I had hit the jackpot," Floyd Smith, assistant professor in agronomy, remarked in speaking of the Sears Roebuck scholarship he received in 1938. Speaking at a banquet sponsored by the Sears Roebuck Agricultural Foundation on April 21 at the Manhattan Country Club, Floyd added that \$80 was sufficient, in those days, to cover fees and books for one semester, with a few dollars left over.

And that is the way that many of the 196 Kansas State students, past and present, have felt as they have received more than \$31,000 in Sears Roebuck scholarships during the past 10 years. Of this number 131 have been Ags and 65 have been home economics girls.

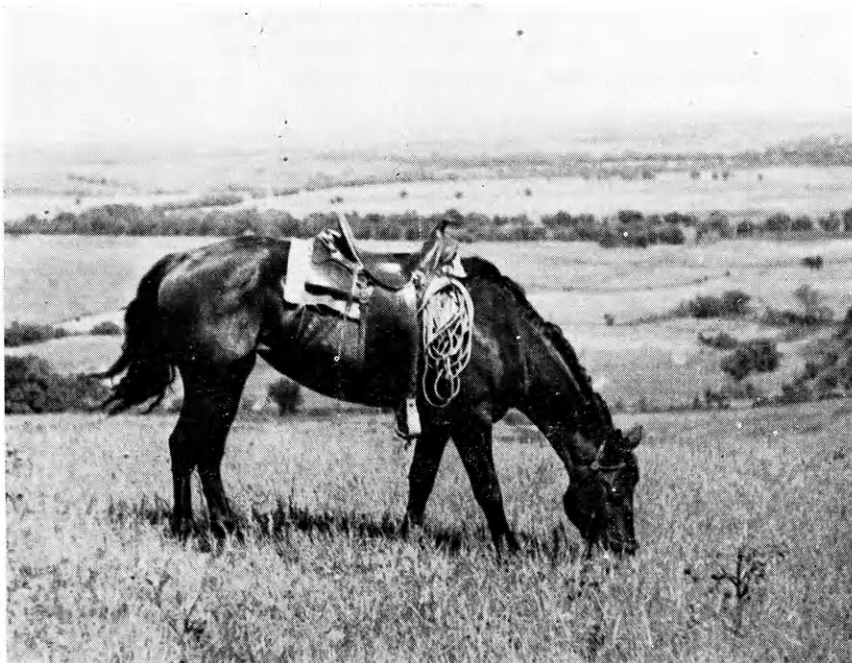
Coming from 76 Kansas counties and all parts of the state, this group still have something in common. All of the awards were based on participation in 4-H and FFA or home economics as well as the high school scholastic record, individual need, and the applicant's leadership record. All were able to turn in an outstanding record, one they can be proud of.

Starting in 1937, 15 freshman scholarships were set up for the School of Agriculture. These have continued, although in reduced number during the war, until the present time. In addition Sears Roebuck scholarships were started for the School of Home Economics in 1944.

As the largest scholarship fund donor at Kansas State College, the Sears Roebuck Agricultural Foundation does not stop with freshman scholarship awards. One sophomore scholarship of \$200 is given to the boy who has the highest grades and honors among the freshman winners. That is not all. For the outstanding scholarship winner in his first two years in college, a trip to Chicago is presented together with a chance at even higher awards.

At Chicago, winners from all of the states contend for two junior scholarships of \$250 each and a senior scholarship of \$500. Oscar Norby, class of 1942 and now a county agent in Finney County, was the recipient of a junior scholarship in 1939.

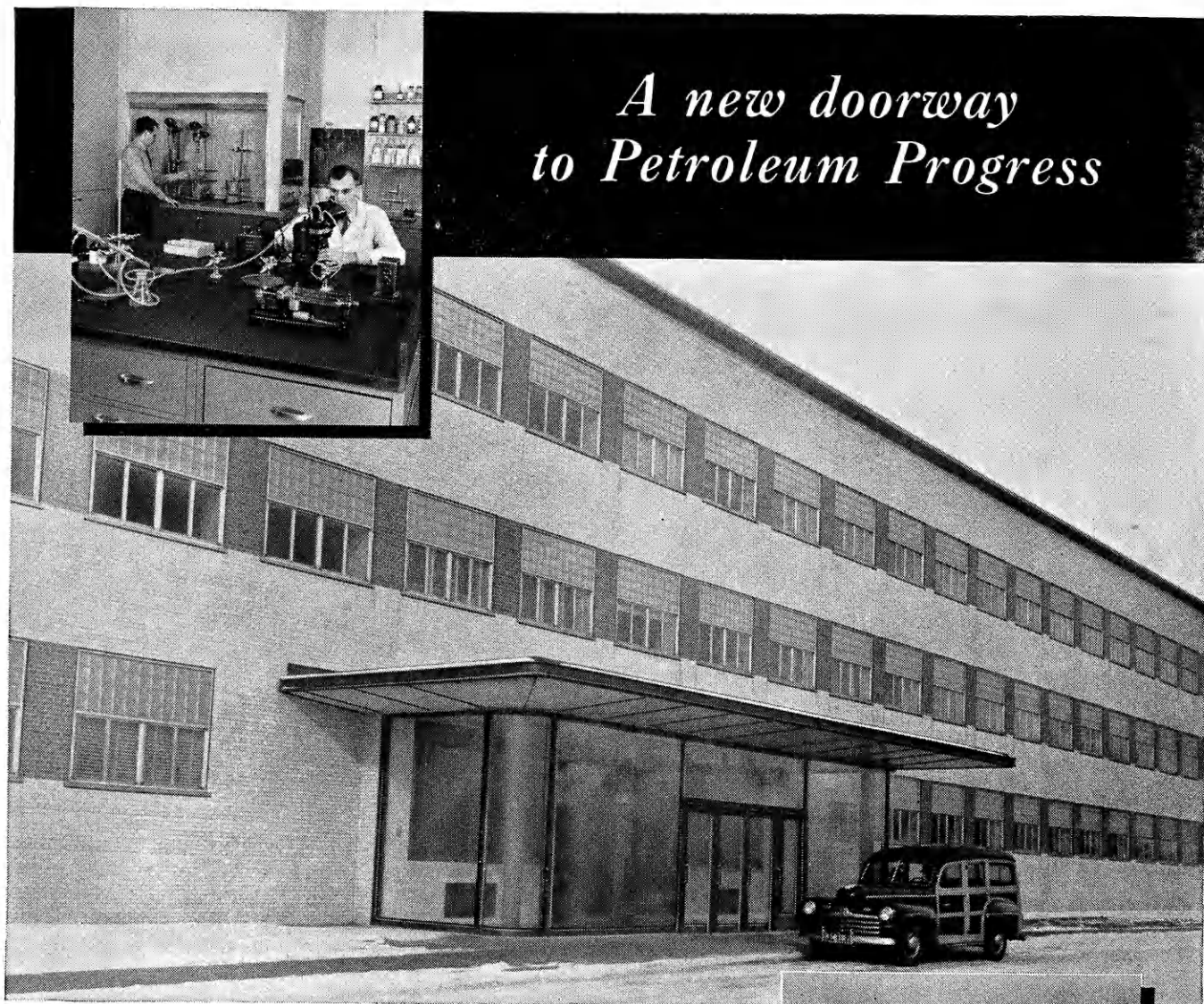
Of the 196 scholarship recipients in Kansas, 103 are still on the campus. Nine of these, Glenn M. Busset, Paul L. Kelley, Clinton Davies, Jacob Mosier, Floyd Rolf, Ronald W. Campbell, Floyd W. Smith, Emery Castle, and Dale Hamilton are now faculty members or student assistants.



Proving that women could compete successfully in the Ag Student photo contest, Mary MacCaskill won third prize with this shot of her pony.



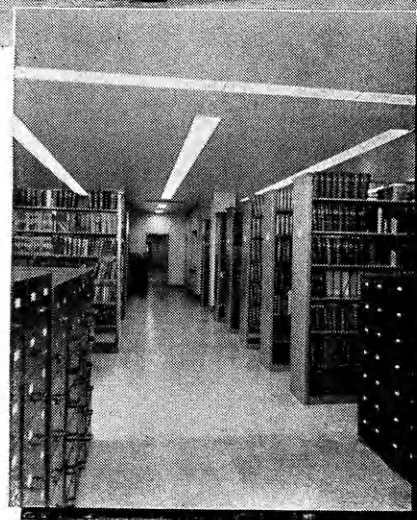
## *A new doorway to Petroleum Progress*



No illustrations can do more than suggest the wealth of facilities at Standard Oil's new research laboratory at Whiting, Indiana. Here, in one of the largest projects of its kind in the world, there are provided the many types of equipment needed and desired for up-to-the minute petroleum research.

The caliber of the men who work here is high. For many years, Standard Oil has looked for and has found researchers and engineers of high professional competence. Further, the company has created for these men an intellectual climate which stimulates them to do their finest work.

And there is nothing new about the idea that motivates Standard Oil research. It is simply that our responsibility to the public and to ourselves makes it imperative to keep moving steadily forward. Standard Oil has always been a leader in the field of industrial research; the new Whiting laboratory is proof of our intention to remain in the front rank.



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the Campus

## Dairymen Compete In Two Contests

By CHARLES F. FOREMAN

The dairy industry from cows to ice cream has received a thorough inspection this spring. On March 20,

the Kansas State College dairy club sponsored their annual dairy cattle judging contest. Then, not to be partial to one part of the industry, they revived the annual dairy products judging contest. It was held April 17.

The contests were divided into junior and senior divisions. The senior division was made up of students who



"Congratulations, Norman," smiles Glen McCormick, president of the dairy club, as he awards Norman Minks first place in the junior division of the dairy cattle judging contest.

## We Like Our Company

The lapse rate from cancellations and suspensions in the ordinary car and truck insurance company is about 30 per cent or more each year.

In the 1947 fiscal year, the lapse rate in The Farm Bureau Mutual Insurance Co. was 10.4 per cent. That figure about accounts for policyholders who died or moved away from their farms.

The 53,000 policyholders who own and operate the Kansas Farm Bureau Mutual Insurance Co. don't cancel their policies for two reasons:

1. By owning and operating their own company they save an average of \$20 per year in premium charges.
2. In their own company they get the best possible service and protection in the event of loss.

### **The Farm Bureau Mutual Insurance Co.**

Home Office, Manhattan, Kansas

*"Insurance at Cost"*

have had advanced courses in dairy cattle and dairy products judging, while the junior division was composed of students who have had no advanced courses.

Entrants in the dairy cattle judging contest judged classes of Holstein, Jersey, Ayrshire, and Guernsey cows. The senior division of the contest was won by Dick Eaton. Winners in the individual breeds included Marvin Fansher, Ayrshires; Norman Johnson, Guernseys; Bill Furtick and Dick Eaton, tied, Jerseys; Clinton Jacobs, Bill Furtick, and Roy Eberwein, tied, Holsteins.

The entrants in the products contest competed for prizes in judging milk, butter, ice cream, and cheese. Harry Mudge won the senior division and Herbert Matey was the junior division winner.

Individual products judging winners in the senior division included Robert Bailey, milk and cheese; Clarence Stahlman, butter; and Harry Mudge, ice cream. Junior division winners included Bernard Kastene, butter; Bill Furtick, cheese; Herbert Matey, milk; and Robert Watson, ice cream.



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HIS CHOICE OF  
100 Crops**

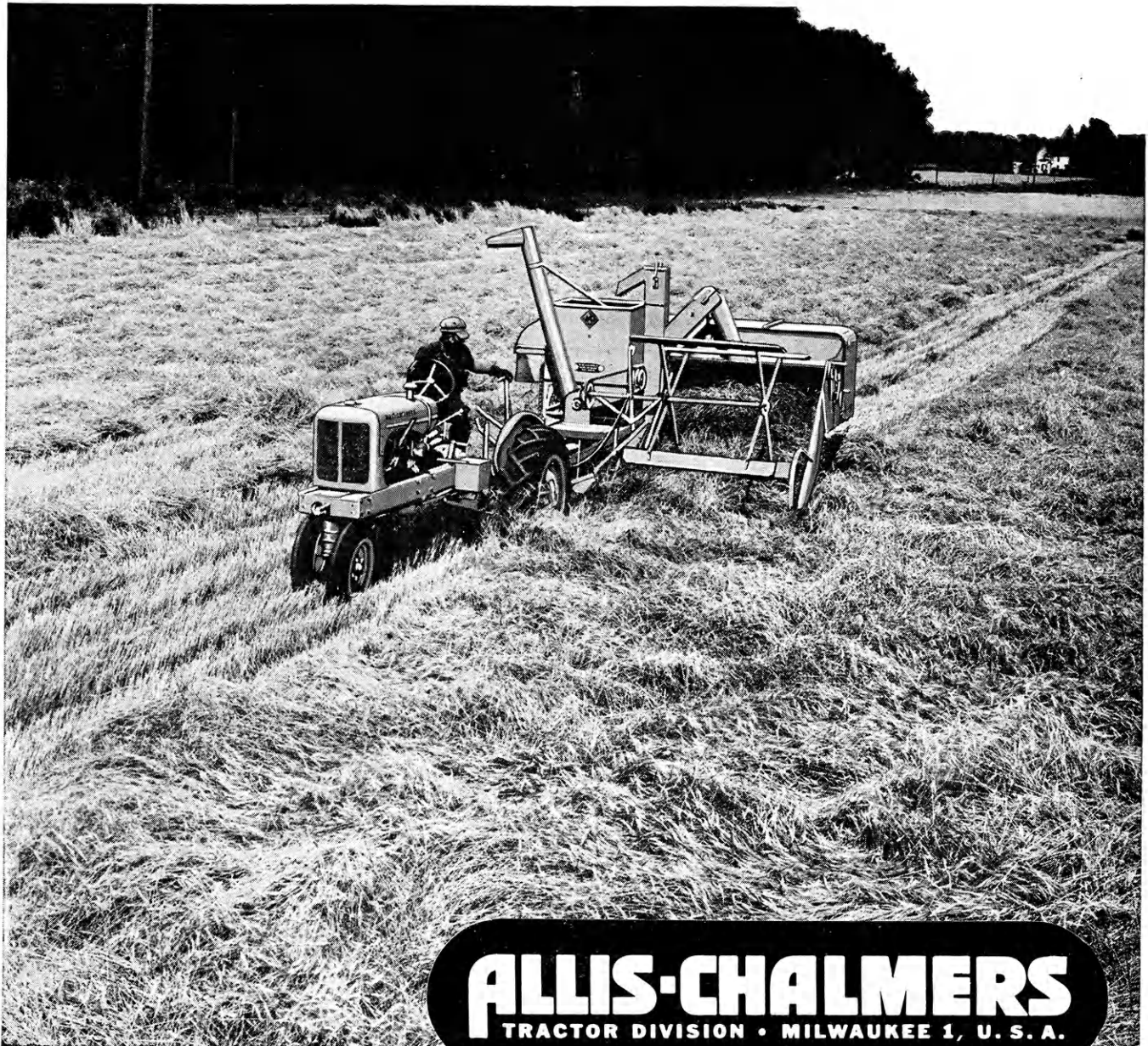
with the **ALL-CROP HARVESTER**

Cutting an inch from the ground, the All-Crop Harvester demonstrates here how difficult crops can be salvaged.

This entire field of wheat was flat on the ground. The All-Crop Harvester's wide, spiral bar cylinder handled tangled straw up to six feet long.

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Select any diversified rotation you wish, and have your own All-Crop Harvester ready to go as the crops ripen. You will find it priced sensibly. Allis-Chalmers believes that *quality* and *full value* are still the right of every purchaser. That is the only way inflation can be checked.



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MANHATTAN, KANSAS

## LITTLE ROYAL

(Continued from page 3)

Association and also a director of the American Jersey Cattle Club. He is the youngest man ever to hold a directorship in the club.

Jerry Moxley, well known Hereford breeder at Council Grove and former extension staff member at K-State, judged the animal husbandry entries in the show. Mr. Moxley was graduated from KSC in 1922 and is now a director of the Kansas Livestock Association. He was assisted by Prof. F. W. Bell, retiring livestock judging coach at K-State; Boyd Cathcart, horse herdsman and instructor in animal husbandry; Claude Dunn, swine herdsman; George Crenshaw, beef cattle herdsman; and Tom Dean, sheep herdsman.

On the "big night", the hard working students watched the seating capacity fill up, at first slowly and then with a rush. By show time, the 1,000 seats were filled and a crowd waited outside hoping to get in. The contest started on schedule amid the colorful setting of the flags of the United Nations, centering around an eight-foot circle of colored sawdust. The circle featured a steer head in black surrounded by gold, purple, and blue, and with the lettering "Little American Royal 1948" around it.

Through the combined efforts of judges Jerry Moxley and John Weir Jr., and genial Glen McCormick, master of ceremonies, the show remained on schedule and the stands were filled when the show was over. Two classes were shown at the same

time, one at each end of the arena, so there would be something for the spectators to see all the time.

The Little American Royal was inaugurated in 1924 as a student show. In 1927, it was placed on a competitive basis in which 50 percent of the score was on fitting and 50 percent on showmanship in the ring. It remained on this basis until 1942 when it was discontinued because of World War II.

This year the two clubs decided to revive the event. Ironing out intricate details was the job of the various committees for months. Decorations, ticket sales, programs, and advertising were only a few of the details that had to be worked out to make the show a success. Many people watched the show with interest, because the success or failure of future Little American Royals depended a lot on this year's event.

The executive committee of the event, who supervised the main plans, consisted of chairman Douglas George, Lebo; Clair Parcel, Coldwater; Arthur Jacobs, Harper; and Richard Spare, Reserve.

Other committee chairmen were, entries, Stanley Fansher, Manhattan; publicity, Harold Ramsey, Uniontown; entertainment, Dick Warren, Arkansas City; tickets and ushers, Eugene Francis, St. John; decorations, Sam Claar, Greeley, Colo.; food, Bob Steele, Conway; advertisement, Tom Sullivant, Waverly; composition, Harry Mudge, Gridley; circulation, Arthur Beat, Kingman; prizes and awards, Bill Reid, Garden City; property, Tom Carleton, Coldwater;



Kansas has its own beauty spots, contends Delbert Kolterman. He proved his point by winning the box camera special award in the Ag Student photo contest with this Kansas scene.



radio broadcast, Richard Chase, El Dorado, and Stan Fansher, Manhattan. Glen Beck and D. L. Mackintosh were faculty advisers.

After the show a lunch of hotdogs, potato salad, ice cream, rolls, and coffee was served to contestants and special guests.

Guests at the show included Will J. Miller, Topeka, a member of the Kansas Livestock Sanitation Committee and secretary of the Kansas Livestock Association; H. E. Floyd, Topeka, editor of the Kansas Stockman and director of public relations for the Kansas Livestock Association; Herb Barr, Leoti, president of the Kansas Livestock Association; Wayne Rogler, Matfield Green, former president and director of the Kansas Livestock Association; James G. Tomson, Wakarusa, past president and director of the Kansas Livestock Association; H. E. Hoss, Sun City, Bob White, Garnett, L. C. Aicher, Hays, Joe Beeler, Jewell, and Floyd Casement, Sedan, all directors of the Kansas Livestock Association.

The first and second place winners of each of the classes were as follows:

Ayrshire cows	Dick Eaton, Manhattan Bob Williams, Overland Park
Ayrshire heifers	Thomas B. Bentley, Colby Alfred O. Gigstad, Dorrance
Jersey cows	Harry R. Ainslie, Hartwick, N. Y. John Clark Wilk, Clearwater
Jersey heifers	John Oswald, Hutchinson Donald H. Stambach, Bentley
Holstein cows	Donald Jacobson, Everest Harold Seymour, Rantoul
Holstein heifers	Elroy Eberwein, Lawrence Arthur Beat, Kingman
Angus steers	Dean McCallum, Matfield Green
Angus heifers	Norman Minks, Greensburg Warren Albers, Bendena
Shorthorn heifers	Richard Nichols, Ottawa Robert Dole, Alma
Shorthorn steers	Ed Minks, Greensburg John Braun, Washington, D. C.
Hereford calves	Miles McKee, Elmdale Tom Carleton, Coldwater
Hereford heifers	Hal Ramsbottom, Munden Laurel Sundgren, Lindsborg
Hereford steers	Sykes Treib, Kansas City Elmer Pelton, Raymond
Draft mares	George Smith, Shawnee Joe Schrader, Kansas City
Light horses	Wilbur Howell, Wallace Richard Sheets, Topeka
Duroc gilts	Melvin Cotner, Coffeyville Clifford Houghton, Tipton
Poland China gilts	Robert Saylor, Manhattan Dale Watson, Peck
Southdown ewes	Dale Gillan, Garden City James Sturdevant, Altoona
Hampshire ewes	Jack Wise, Wichita B. N. Donovan, Gardner
Shropshire ewes	Robert Kuhn, Salina Tom Wedman, Manhattan

## Parity Prices Protect Everyone

Farmers do not oppose some price readjustments on farm products provided that industry and labor also readjust prices and wages proportionately. But they don't think that agriculture should finance price readjustment for the whole nation.

That happened in the early "twenties" and the economic chaos of the "thirties" was a certain result.

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## Crop Breeders Try Perennial Wheats

By VICTOR REED

Crossbreeding of wheat and wheat grass has been a subject of interest among plant breeders for more than 25 years. The overpublicized objective has been the development of perennial wheat. Of greater practical importance, however, is the development of new strains of wheat that may make the present species of greater economic worth.

That such a project has practical value is indicated by the interest of representatives of the milling and grain trades. Uhlmann Grain Company, Rodney Milling Company, Midland Flour Milling Company, and Flour Mills of America have established a fund to assist the Kansas Agricultural Experiment Station conduct such studies.

Wheat grass species are perennial. Single plants live several years, much as do alfalfa plants. Hybrids have been obtained from crosses of wheat and wheat grass that show a tendency toward perennial growth. In the field, plants have lived two years but have set little seed.

The first successful cross was made by Zitzin in Russia in 1930. In the

United States, fertile hybrids were first developed in 1935. So far, no varieties of commercial importance have been selected except from the crosses made in Russia.

None of the wheat grasses used in these crosses is native to Kansas. Once a hybrid has been produced, it must be crossed back to one of the parents. In some cases rye has been introduced to prevent sterility.

Perennial wheats are of possible use on rough or blowing land requiring a grass cover. Western Kansas does not have enough moisture, except in occasional years, to produce grain in addition to maintaining the forage crop.

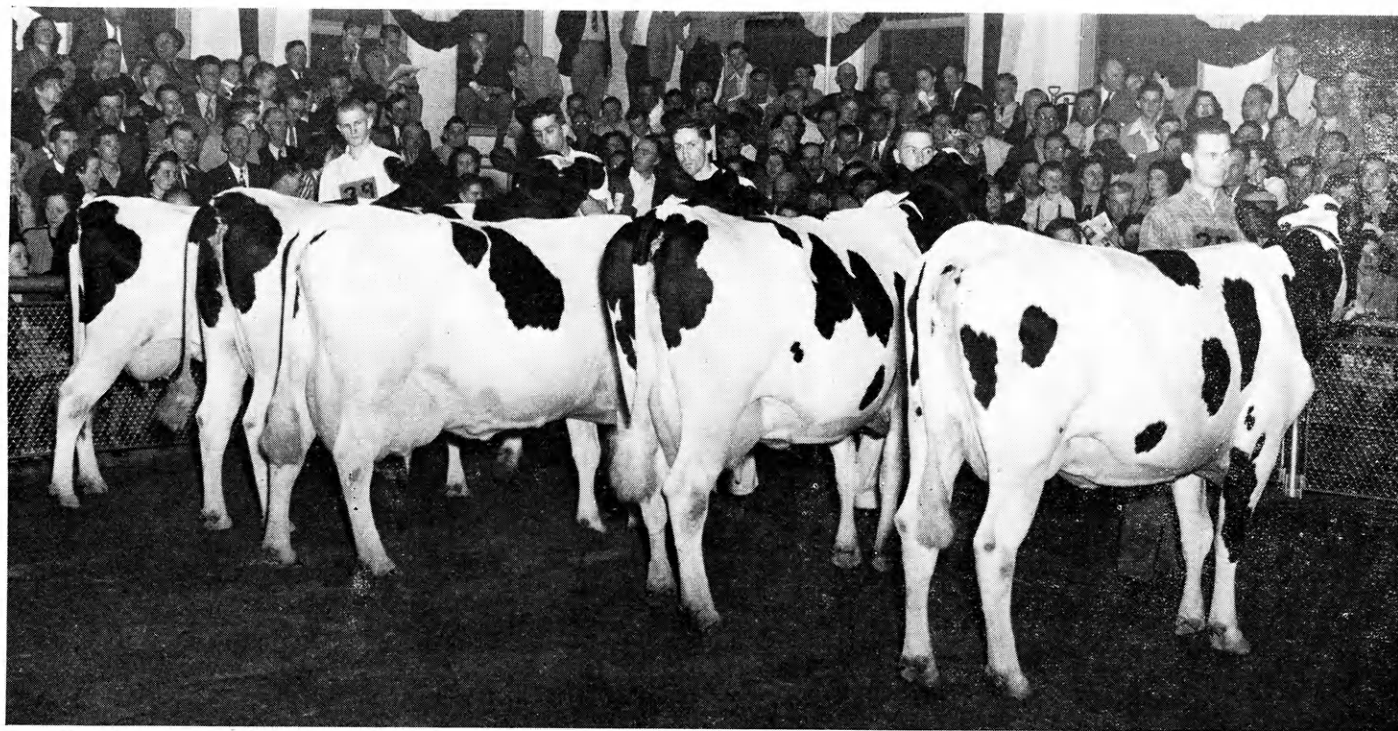
The objective at Kansas State College is to incorporate pest and hazard control into our hard red winter wheat. The control of pests includes resistance to smut, rust, and the Hessian fly.

Crosses have only recently been made with bread wheats to incorporate into the latter greater rust and smut resistance. These crosses are mostly sterile, and an intensive program of backcrossing to wheat must be pursued to establish fertility. This takes much time. If these crosses prove fertile, it will take years of breeding before varieties can be released as improved strains of winter wheat.



A black cat may mean bad luck to some people but this one brought good luck to Loren Martin. It provided the subject for his seventh place entry in the Ag Student photo contest.





One of the stronger classes at the Little Royal was this group of Holstein cows.

## Block and Bridle Wins Hort Paddle

By MAURICE E. VANDRUFF

Block and Bridle club again walked off with the championship in the annual Horticulture Club ping pong tournament held Friday, April 2 in the women's gym.

By virtue of the victory, Block and Bridle won the right to display the rotating paddle, which is symbolic of the championship, for the second consecutive year. The club also won the championship in 1938, the year the tournament started.

Block and Bridle was led by Tom Evans and Clair Parcel. They won the doubles championship. The singles championship was won by Bob Mason representing Ag Economics.

Prizes for the winners were merchandise at Don and Jerry's, first place winners receiving \$1.50 worth of merchandise and runnersup \$1.00.

Ag departmental clubs participating in the tournament were Ag Economics, Dairy Club, Block and Bridle, Klod and Kernel, Alpha Mu, and the Horticulture Club.

Dr. H. E. Myers, head of the Department of Agronomy, is one of 16 soil scientists named to a USDA committee to integrate soil and fertilizer research with national needs.

Twelve students in the School of Agriculture were named to Phi Kappa Phi, honorary scholastic organization. Those elected are Alfred Casady, Robert Frizell, Charles Her-

rick, Roscoe Ellis Jr., Donald George, Harold Black, George Smith, Richard Eaton, Ralph Ricklefs, Fletcher Riggs, Michael Newborg, and William Richards.

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## STATE FFA MEET

(Continued from page 5)

adviser; and Winfield, Ira Plank and John Lowe, advisers.

Honored guests at the annual banquet were President Milton S. Eisenhower of Kansas State College; J. C. Mohler, secretary, Kansas State Board of Agriculture; and Ervin Martin, Salem, Ind., National President of FFA.

At the House of Delegates meeting, new state FFA officers elected for the ensuing year included John Gigstad of Effingham, president; Bob Edwards of Emporia, vice-president; Don Stuteville of Parsons, secretary; Carldon Broadbent of Beloit, reporter; and Lon D. Crosson of Minneapolis, treasurer.

Ninety-five State Farmer Degrees were conferred on the outstanding high school students with excellent balanced farming programs, high scholarship, and good leadership. The 1948 State Future Farmers included: Jack Robbins, Altamont; Tim Hale and Vernon Krahll, Alton; Thaine L. Hunt, Arkansas City; Elmer Pianalto, Atwood; Edward L. Pachta, Bob L. Rizek and Don Krotz, Belleville; Carldon H. Broadbent, Bill Brown and Johnnie Murray, Beloit.

Donald D. Stover, Beverly; Robert D. Janzen, Buhler; Melvin Pettit, Bird City; Dean Tennis, Chanute; Paul Mugler and Karl P. Rall, Clay Center; Stanley Deewall and Donald Whelpley, Coldwater; William T. Jones, Columbus; Carl W. Martin, Colby; Carl Anderson Jr., Milton J. George, Dale C. Gigstad, John K. Gigstad and D. Max Margrove, Effingham; Bill Baker, Robert Maddux and Duane Traylor, El Dorado.

Kenneth Boughton, Frank Davis

Jr., Donald DeLong and Lloyd Farr, Emporia; Harlan Johnson, Bob Jones, Frankfort; Kenneth Lohr, Pete Walker, Goodland; Bill Blanchat, Harper; Harold Grandon, Merle D. Oldenettel, Haven; Charles Worcester, Billy Joe Worcester, Hill City; Kenneth R. King, Herbert Schultz, Holton; Ivan D. Molt, Horton; J. D. Rector, Bill Simmons, Independence.

Edwin E. Neufeld, Inman; Robert D. Doze, Kingman; Duncan Circle, Kiowa; William E. Long, Norris A. McCall, Lebanon; Frank Hagenbuch, Lawrence; Doyle Hargadine, Jimmie Yowell, McPherson; Lucky Lilliequist, Maurice McEndree, Medicine Lodge; Neil Campbell, Carl A. Richard Jr., Miltonvale.

Lon D. Crosson, Cloyce E. Kindall, Donald D. Lott, Minneapolis; Donald Goering, Moundridge; Mervin W. Deschner, Bill Gatz, Robert Knott, Newton; Bert Falley, Seaman High, North Topeka; Raymond Walker, Norton; Ray D. Wilcox, Oberlin; Dale K. Allen, Bob Plank, Leon Stromire, James E. Remer, LeMoyné Zimmerman, Olathe.

Lynn Blazek, Osage City; Leslie Slyter, Paola; Jack E. Aitken, Gerald McMillan, Donald L. Stuteville, Parsons; Eugene Bergsten, Randolph; Donald L. Montgomery, Sabetha; Wayne Berneking, Simpson; Clayton Herman, John Overmiller, Smith Center.

Evan D. Lewelling, Soldier; Richard H. Newell, Stafford; Keith McComb, Doyle Peaslee, Stockton; Phil Lukert, Washburn, Topeka; Alden Loomis Jr., Valley Falls; Sherman Ditmars, Raymond Soder, Washington; Francis Groene, Leon Moore, Carl Seeliger, Winfield.

Retiring state FFA officers are Har-

## THE Kansas Poultry Improvement Association

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U. S. D. A. Miscellaneous Publication No. 300  
Gives the Plan in Detail.





land Priddle, Haven, president; Robert Greve, Harper, vice-president; James Boucek, Ottawa, secretary; LeRoy Spicher, Simpson, reporter; Eugene Brinkman, Coffeyville, treasurer.

Newest addition to the School of Agriculture publications is The Windfall, a mimeographed newsletter sponsored by students in Horticulture. Eugene M. Moffatt Jr. has assumed the title, "editor in grief".



When a man can still smile after a hard day's plowing, it's worthy of a picture. Dana Jennings caught a neighbor in the proper mood, snapped the picture, and placed fifth in the Ag Student photo contest.

## KANSAS HYBRID ASSN. Seed Stocks Grown in Kansas FOR KANSAS ADAPTED HYBRIDS

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# The Last Word



## College Training Is Challenge to Youth

By R. I. THROCKMORTON

You seniors soon will be celebrating the attainment of an important goal for which you have been striving for some four years. This attainment will be one of the high lights of your life. If, in attaining this goal, you have developed mental discipline; have acquired the ability to cope with problems related to your technical field; have learned to integrate the facts, ideas, and philosophies to which you have been exposed; have learned how to make your work interesting, objective, and productive; and have acquired an understanding and co-operative attitude, your years in college have been well spent. If you have accomplished these things, you are ready to meet the social and economic problems of a complex society.

The college year of 1947-48 has been outstanding in many respects. The School of Agriculture has had the highest enrollment in history—almost 50 per cent above the pre-war high. Because of the heavy enrollment, classes have been much larger than is desirable, laboratories and classrooms have been crowded, and many of you have had unsatisfactory schedules. These situations make teaching difficult, but the difficulties have been minimized by the understanding and excellent cooperation of students and faculty.

The Agricultural Association has done excellent work throughout the year and has successfully initiated and completed several worthwhile enterprises. The degree to which the Association has been successful in bringing a large number of people into the several activities is highly commendable and speaks well for the cooperative spirit of our students.

## Thanks, Aggies

Before we conclude this last Ag Student of the year, I'd like to express my appreciation to those who have helped put out the magazine.

We are proud of the number of contributors to the Ag Student. Faculty members and students have prepared interesting and informative articles. In many cases the original idea as well as its development was the author's.

Enabling us to balance the content, insuring material from each of the fields of agriculture, were the departmental reporters. It is impossible for us in the office to keep up with the range of activities of the clubs and the research of the departments. Consequently many features would have remained unpublished but for the initiative of these reporters. We have relied a great deal, too, on members of the Ag journalism classes.

Of course, the members of the staff bore a heavy load. Whether listed as a business member, photographer, or associate editor, each cooperated on the job at hand. As each problem

arose, this group worked out its solution.

Especially do I want to thank Mr. Macy, our faculty adviser. In addition to his full-time load teaching classes and editing experiment station publications, he has kept us out of difficulty in publishing the magazine. Since I'm more familiar with hoeing cockle burs than editing copy, his work with the Ag Student has been particularly heavy.

Finally, I want to say I've enjoyed these three semesters as editor of the Ag Student. I have appreciated your suggestions and your tolerance. I hope our contact has been as pleasant to you as it has to me.

Melvin Cotner, this year's business manager, will edit the Ag Student next year. He has announced his staff elsewhere in this issue. They are planning a better magazine for a grand gang of Ags.—JT

Bill Collins, Al Gigstad, and Jack Graham, students in dairy husbandry, will spend the summer working on the Carnation dairy farm near Seattle, Wash.