

THE KANSAS

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Agricultural Student



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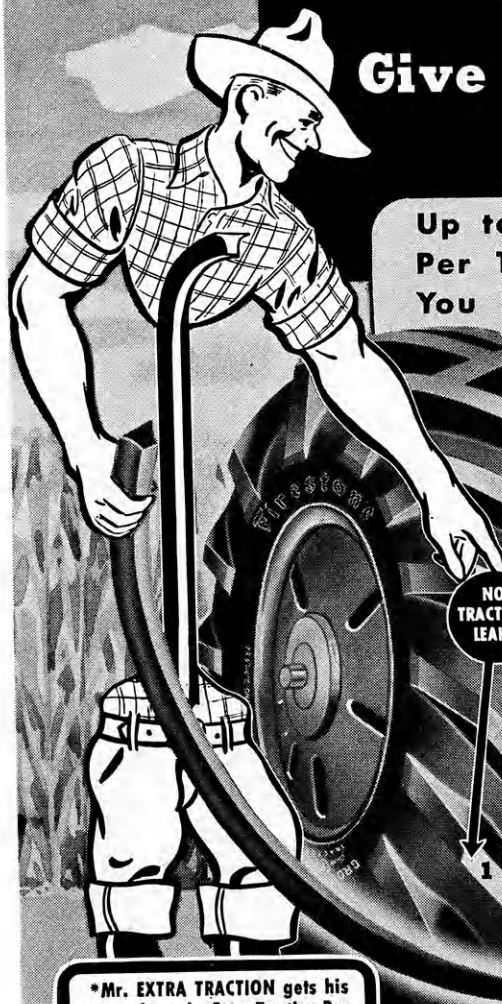
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Hathorn Reigns Over Colorful Barnwarmer



Chi Omega freshman is the choice of students in Division of Agriculture for their Queen—Vets miss the horse tank brawl.

By ROGER MURPHY

OVERALLS and gingham dresses were the order of the night as 425 Ags and their dates danced to the music of Matt Betton's band. The occasion was the 1941 Ag Barnwarmer the evening of October 11 in Nichols Gymnasium.

Barnwarmin' was first in the minds of the Ag socialites as evidenced by the large crowd, colorful decorations, and excitement aplenty for everyone. A false ceiling of leaves, bales of hay and straw, shocks of sorghum and a large rick of stove wood transformed the gymnasium into a farmyard. Everyone entered the dance floor through an arch of sorghum stalks. On display in one corner and of particular interest was the buggy in which Dean L. E. Call took his date to the Barnwarmer years ago.

Departmental booths were both beautiful and interesting. The booths were decorated by the various departmental clubs and Alpha Zeta, and each tried to bring out its importance and contributions to agriculture and the division.

Barnwarmer festivities began in Ag Seminar on October 2 when the students selected the following girls as their five Princesses: Dorothy Forster, Kappa Delta from Wichita; Virginia Gemmell, Pi Beta Phi from Manhattan; Betty Hathorn, Chi Omega from Leavenworth; Jean Vasconcells, Independent from Ellsworth; and Esther Anne Weeks, Alpha Delta Pi from Fort Scott.

On Monday afternoon, October 6, the Princesses competed in the Barnwarmer's first tractor driving contest. Virginia Gemmell was pronounced the winner, racing over the course in record breaking time. It is rumored that several farmers scouted the contest hoping to relieve the labor shortage on the farm.

The following Wednesday the Ags came to classes clad in overalls to be worn until the grand finale on Saturday night, the highlight in the social life of an Ag.

This year's Barnwarmer was unique in that this was one of the first times in recent years that a tank was not used to duck those who failed to conform. In an effort to put a stop to the annual battle with the veterinary students the boys who suffered from lapse of memory were tossed in the lily pool instead of the tank.

All precautions failed, however, as vets and engineers with the wholehearted cooperation from the Manhattan Police Department kidnapped four of the boys who were lucky enough to get dates with Princesses. Before the night was over a Vet went swimming in the fish pond and Lawrence Smith, the officer in on the "conspiracy," was ducked in a stock tank.

The climax of the evening came as Dean Call crowned Betty Hathorn Queen of the 1941 Ag Barnwarmer. The five Princesses took their places

on the throne which was concealed behind curtains. Then, with a fanfare of trumpets, curtains were drawn, revealing the Queen and her attendants. Decorated in green with a colorful background of sorghum heads the throne made a perfect setting for the coronation. The new Queen's first command was for the band to play and her new subjects to dance.

During the course of the evening a popular place was the cider and doughnuts room. Hungry dancers consumed 125 gallons of cider and 175 dozen doughnuts.

Credit for making the Barnwarmer a success goes to the students and particularly to Ronald Campbell, manager of the event, and Dean Mullen with his many excellent suggestions. But, as always in the past, the Ag Barnwarmer is a success primarily because of the fine cooperation of the students with their willingness to work and to make it tops in entertainment.

Thirty-seven out of each 100 acres of corn planted in the United States last spring was hybrid. Last year it was 30 out of each 100 acres for hybrids.

Queen Betty and the Princesses



Betty Hathorn surveys Nichols Gym, her domain, while Esther Anne Weeks, Dorothy Forster, Virginia Gemmell and Jean Vasconcells do a bit of looking around at the crowd, too.

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THE COVER PICTURE—The picture shows the Barnwarmer Queen, Betty Hathorn, trying to feed a hungry calf and look at the camera at the same time. Since she had "never even been near a calf before," it was an exciting few minutes. The picture was taken at the Kansas State Dairy Farm. It and all other pictures in this issue were taken by Paul L. Dittmore.

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No man can put a hat (or a crown) on a lady and get it right, so Betty Hathorn readjusts the crown that Dean L. E. Call has placed on her head. (2) This is the cast that put on the grand show at Ag seminar as nominees for Barnwarmer Princesses. (3) The five Princesses and last year's Queen line up for a picture before the start of the tractor driving contest. From l. to r.: Virginia

Gemmell, Dorothy Forster, Betty Hathorn, Jean Vasconcells, Esther Anne Weeks and Marguerite Gilek. (4) "The Winnah," of the tractor driving contest, Virginia Gemmell, gets the first place award, a toy tractor, from Ex-Queen Gilek. (5) A mob scene at the tractor driving contest, with the officials in the foreground. (6) Virginia Gemmell pauses to pitch some hay into the trailer dur-

ing the contest. (7) Accompanied by a military escort (Scabbard and Blade "animals") the Ag Barnwarmer Princesses take a wagon ride through Aggieville during the noon hour. (8) "Long live the Queen" was the toast to Betty Hathorn by the four Princesses. (9) Time to get back to classes as Tommy Benton, Bert Danielson and George Inskeep unload the girls after the wagon ride.

Kansas Sorghums His 'First Love'

Alva Schlehuber, '31, in a recent letter to Prof. R. I. Throckmorton, says that he is changing jobs, going from Montana to a new position in Meridian, Miss.

"My family and I have moved to the sunny South," Schlehuber writes. "I am now stationed at the Meridian Sugar Plant Field Station where I have accepted a position as Associate Geneticist with the Division of Sugar Plant Investigations. My duties will deal with the production of sweet sorghos for sugar and I will also study the inheritance of disease reaction.

"My experience with sorghums in Oklahoma and Kansas is going to be invaluable to me now. Of the crops I have worked with, the sorghums were really my 'first love'."

A Queen in Her Own Right

Queens are picked because of their beauty, refinement, and poise and Right Royal Dreamer Belle, a Jersey cow, formerly of the Kansas State College dairy herd, has all of these things and more. For this reason she was judged the Grand Champion Jersey cow at the Topeka Free Fair this fall. This is the first time in many years that the College has shown in a dairy show and to bring home top honors in the first attempt speaks well for all concerned.

Right Royal Dreamer Belle was bought by the College from a small dairy herd in northern Missouri, and because of her weakened and run down condition, it was debated by the employees of the College dairy farm whether the wrong cow had been sent by mistake. They soon found they were mistaken, for under the proper care, Belle soon proved the worth of good breeding by developing into one of the best type dairy cows that the College has ever owned. She was recently purchased by Mrs. Ralph Green of Rosepoint Farm, Parkville, Mo., and as part of her show herd of outstanding Jerseys, was taken to the dairy show at Waterloo, Iowa, where Belle stood first in the aged cow class.

From the Waterloo show, Mrs. Green took her herd to the National Dairy Show in Memphis. Belle placed third in a class of 41 cows, the largest class of quality cattle that had been assembled at one show for many years.

—Tommy Benton.

Judging Contests Are Tough on the Nerves

The contest of nerves begins the day before the Judging Contest and doesn't end until the placings are announced.

By MAX DAWDY

WOULD you like to be on a judging team? You would? Then join me in a day's contest as a member of the Dairy Cattle Judging team at the National Dairy show.

The contest really begins at about 6 p. m. the day before when you arrive at the hotel. The contest of nerves, I mean. Your team is slated to win because you've won one contest. As you pass through the lobby, the remarks which are intended to make you overconfident are disregarded. Then it's kind of tough to leave the middle of a good show that night to get to bed by 10 o'clock, especially when the newsreel and comedy haven't been shown yet. Any other night, for instance, when studying chemistry, it's pretty easy to go to sleep on the desk, but tonight—boy, the bed is rough, the room is stuffy, you toss and then you roll. "Why the heck do people sleep on pillows, anyway." From the rumors that you've heard, it seems Oklahoma is a good team; the winner of Eastern states is here. *Oh, well, if I can just see the classes tomorrow it won't be bad. Wonder if the other boys are asleep.* Finally the last glance at a watch says it is 12:30.

There is a bit of confusion and finally you hear over the telephone, "Good morning. It's 5:30." Now, what the heck can be good about that hour and the best answer you can give is a big groan.

Breakfast over; a short walk for fresh air; a stop at the drug store for an extra pencil, a new notebook and a good supply of cigarets and then to the fairgrounds.

It's a warm handshake the coach gives you but your heart sinks a trifle as he tells you, "Well, from here on it's up to you." You join in a handshake with the rest of the team as if it were a matter of life and death, and then get your number and take a seat in the stands overlooking the arena. On one side is a Minnesotan, on the other a boy from Kentucky, and

down front is Nebraska. Here comes Virginia, and, since they won the Eastern States contest, you figure maybe they are pretty good.

It is now 8 o'clock and coming into the arena are the first classes. *The Ayrshire cows look pretty easy . . . Especially the bottom cow. Oh-oh, the Jersey bulls don't look so good . . .* The superintendent of the contest is giving instructions. *It's 8:15. Why don't they let us get started. After all we're not a bunch of kids. We know we're supposed to use our number and not our name and not talk to each other. They act like we are a bunch of crooks. . . Wonder if that big Jersey bull should go first or third. . . If only we could get closer.* At last your group starts on Holstein cows. *A tough class and reasons . . . better get some notes . . . my gosh,*

they're calling for cards already, what a fast 12 minutes!" After the card on the fifteenth class is in you look at your watch. *It's 2 p. m., no wonder I'm hungry and is my back tired! . . . This has turned out to be an endurance contest—a cup of coffee would sure be good now.*

After a 30-minute bus ride to the hotel you sit down to lunch and relax a bit. By 3:30 o'clock the order to give reasons is given and you move out on the mezzanine floor to find the room each judge is in and then locate in the nearest easy chair to study your notes. A few minutes concentration and you soon discover that piece of pie is making you sleepy. *Got to keep plugging as it isn't over yet—about six ahead of me yet and then I'll really give him a set of reasons.*

Come 7 p. m., it's four sets given and one to go. The first on the list are done and leaving and you get just a little more nervous. *Some guys are lucky and I have to be last. Oh, well, after all I'm the one the judge is waiting for so I'll just pour it on and maybe he will give me the best grade.*

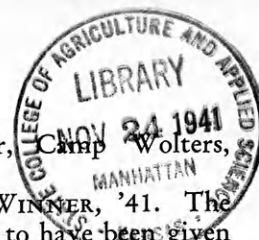
The elevator doesn't seem to move but you get off at the eighth floor

(Concluded on page 9)

These Men Know Dairy Cattle



This picture shows the Dairy Cattle Judging team that took first place at Waterloo, Iowa, and third place at the National Dairy Cattle show at Memphis this fall. The men are Malvin Johnson, Jim Cavanaugh, John Weir, Max Dawdy and the coach, Dr. A. O. Shaw.



Many Former Ag Students Now in Service of Country

*All advanced R. O. T. C. grads now in active duty;
Selective Service Boards order many others into army.*

The Army, the Navy, Air Service, and United States Marines are making use of the services of many of our Aggies who were on the campus last year. Even a year ago, it was hard to believe that so many of our number would be in the armed services of our country by this time. What will the situation be a year from this time?

Following are the names and addresses of seniors of 1941 who are in the service. There may be others. Letters were sent to all parents of the 1941 class and the following list is made up from information furnished by those parents who responded to our letter. The same is true of members of the class of 1942 who did not return to college last fall.

The men in the armed services would rather receive letters than almost anything else. Many of the men will be exchanging letters, now that they know where others are located. Some of us here on the campus will be writing to them. A copy of this issue of The Kansas Agricultural Student is going to all the men whose names are listed. We hope it will be like a letter from home, too.

The best wishes of all who knew these boys so well are bundled up and enclosed with each issue of the Ag Student, as it goes into the mail to be sent from the Virginias and Carolinas to California and Texas. We can use some letters from our boys in the service in the next issue of the magazine, if any may care to write "for publication."—C. W. Mullen.

LIEUT. CARLYLE WOELFER, '41. Carlyle was always a soldier at heart when at Kansas State. He is now with the 55th Pursuit Group of the Air Force Combat Command, Portland, Ore.

DAROLD A. DODGE, '41. Darold is getting his training in Washington. Address him, Band 3d Div. Artillery, Fort Lewis, Wash.

HAROLD R. JAEGER, '41. Harold left K. S. C. last spring for the navy. Address, Naval A. C., N. S. N. A. T. S., Bks. 24-2, Corpus Christi, Texas.

LIEUT. PAUL E. SMITH, '41. Paul

quickly decided on the Marines. Co. C, R. O. C., Marine Bks., Quantico, Va.

FORREST MEARS, '41. Forrest is working on aviation. He is located at U. S. A. C., Thunderbird Airport, Glendale, Ariz.

RALPH BIEBERLY, '42. Ralph is spending his time in Maryland. He is with Co. B., 5th Ord. Tng. Bn., O. R. T. C., Bks. 4, Aberdeen Proving Grounds, Md.

WALTER BIEBERLY, '42. Walter went the opposite direction to serve his time. He is with Co. B, 76th Inf. Tng. Bn., Camp Roberts, Calif.

ROBERT GILLIFORD, '42. Robert is firing the big guns for the coast artillery. Drop him a letter at Battery B, 12th Bn., Coast Artillery, Fort Eustis, Va.

LIEUT. ORVAL HAROLD, '42. Orval is working under the U. S. colors in Arkansas. His wife writes him at Co. F, A. P. O., No. 6, 63d Inf., Fort Robinson, Ark.

VERNON KEIM, '42. Vernon is in the Naval Air Corps. Address, Bks. 17-17, U. S. N. R. A. B., Corpus Christi, Texas.

BYRON K. WILSON, '41. Byron is living the army life in California. He is located at Bks. B, 53d F. A. T. B., Camp Roberts, Calif.

LIEUT. GARL A. WILSON, '41. Garl decided the U. S. Marines was as good as any. Address, Co. C, R. O. C., Marine Barracks, Quantico, Va.

JOHN S. WINTER, '41. Stan decided the field artillery was okey. His girl writes him at Btry. D, 11th Bn., 4th Tng. Reg., F. A. R. T. C., Fort Bragg, N. Car.

ALBERT W. YOXALL, '41. Albert likes his airplanes. He is with the U. S. Navy R. A. B., Corpus Christi, Texas.

LIEUT. RUSH H. ELMORE, '41. Rush is training in the U. S. Marines and has earned a commission. Look for him at Co. B, R. O. C., Marine Barracks, Quantico, Va.

LIEUT. JOHN N. HAYMAKER, '41. John is marching under the colors in Texas. He is located at Infantry Re-

placement Center, Camp Wolters, Texas.

WILLIAM H. WINNER, '41. The U. S. Navy seems to have been given the nod by Bill. Address, Bks. 17-17, U. S. N. R. A. B., Corpus Christi, Texas.

ROBERT J. JONES, '41. Robert is training in Illinois. He can be found at Co. D, 31st Bn., 4th Platoon, M. R. C., Camp Grant, Ill.

RUSSELL W. BLESSING, '41. Russell chose to serve his time in the army. Can be reached at 2d Platoon, Co. B, 26 M. 7 B, Camp Grant, Ill.

PAUL L. BROWN, '41. Paul decided to spend part of his time in the army. Write to him at Co. f, 63d Inf., Fort Leonard Wood, Mo.

JOHN P. FEATHERINGILL, '41. John decided the U. S. Navy was the place for him. He is at Bks. 17-16, U. S. N. R. A. B., Corpus Christi, Texas.

DALE C. HUPE, '41. Dale has decided to spend some of his time in the U. S. Navy. Dale is located at Bks. 17-10, U. S. N. R. A. B., Corpus Christi, Texas.

LIEUT. WALTER M. KEITH, '41. Walter is getting his taste of leadership under Uncle Sam. Walter's address is Camp Roberts, Calif.

LIEUT. BOYD H. MCCUNE, '41. Boyd is showing the boys how to click heels. He is located at Co. K, 25th Inf., Fort Huachuca, Ariz.

LIEUT. MILTON MANUEL, '41. Milton is working for Uncle Sam as a lieutenant. He can be reached at 200 E. Dewey, Apt. 7, Fort Sam Houston, Texas.

LIEUT. EUGENE POGGEMEYER, '41. Eugene will defend the colors as a marine. Address him Co. C, R. O. C., Marine Barracks, Quantico, Va.

LIEUT. H. ALBERT PRAEGER, '41. Albert decided to help Uncle Sam with the training. Send mail to 38th Inf., Fort Sam Houston, Texas.

FRED S. TALBOT, '41. Fred is practicing army duties in Arkansas. Hdq. Bks., 1st Pon., 130th F. A., Camp Robinson, Arkansas.

LIEUT. ROBERT B. WELLS, '41. Lieut. Wells is working for Uncle Sam in Missouri at Fort Leonard Wood.

DEAN D. WHITMORE, '41. Dean is now in the Army Air Corps. Address unknown.

LIEUT. JOSEPH SKAGGS, '42. Joe is training 'em for Uncle Sam in Texas. Co. H, 38th Inf., Fort Sam Houston, Texas.

CHARLES WIDMAN, '42. Charles is
(Concluded on page 16)

Sabbatical Leaves Are An Old Hebraic Custom

Nineteen members of the faculty from the Division of Agriculture have taken sabbatical leaves.

By ROBERT RANDLE

EVERY year sabbatical leaves are granted to one or more faculty members in the Division of Agriculture for the purpose of taking advanced study, obtaining practical industrial or professional experience, or broadening education through foreign travel. These faculty members are enabled to broaden their experience and education and thus will be of more value to the College when they return from their leave.

Among the ancient Jews, a sabbatical year referred to every seventh year, in which the lands and vineyards of the Israelites were allowed to remain fallow. In modern colleges it refers to a leave of absence with salary every seventh year.

A leave of absence differs from a sabbatical leave in that it is a leave without salary for any specified length of time.

This year Prof. F. L. Parsons, Assistant Professor of Agricultural Economics, and G. H. Beck, Instructor in Dairy Husbandry, are the only faculty members of the Division of Agriculture who are away on leaves of absence.

Professor Parsons has a sabbatical leave to accept a fellowship which has been granted him by the University of Chicago. He is doing graduate work for a doctor of philosophy degree and is teaching some subjects in economics as a part time job.

G. H. Beck has a leave of absence to use an assistanceship granted him by Cornell University. He will take graduate study for a Ph. D. and will have a part time job in the dairy department.

Prof. R. F. Cox, Associate Professor of Animal Husbandry, and R. J. Doll, Instructor in Agricultural Economics, have returned this year from leave of absences.

Professor Cox took graduate study in animal husbandry at Cornell University on sabbatical leave. He has completed all his work, except writing his thesis, for a doctor of philosophy degree.

R. J. Doll of the economics department took graduate work towards a doctor of philosophy degree and also was an instructor of economics at the University of Minnesota while on his one year leave of absence.

Sabbatical leaves have been made possible at Kansas State largely through the efforts of President F. D. Farrell. Kansas does not have a law setting aside funds to be used for this purpose. In 1928 the State Board of Regents adopted a policy whereby sabbatical leaves could be granted with no extra expense to the State.

Any faculty member who has taught for at least six years and is deserving of merit may be granted sabbatical leave with part salary for a period not exceeding one year upon the recommendation of President Farrell.

Usually the absentee receives a salary from the institution or organization with whom he is associated while on leave. In order to explain the way these leaves are financed without any expense to the State let us take the example of Professor X who has been receiving a salary of \$3,000 a year from teaching.

Professor X has been granted a \$1,500 fellowship by a large university. He is given sabbatical leave to pursue advanced study in his particular field and to make use of the fellowship which is a part time teaching job. Kansas State College will hire a substitute to take the absentee's place on the faculty with a salary of \$1,500 and will give the absentee a part salary of \$1,500. Thus the absentee receives no cut in salary and there is no expense to the College.

In the ten years since the policy was adopted, sabbatical leave has been taken by 93 faculty members. Of these 93 leaves 19 have been from the Division of Agriculture.

According to the 37th Biennial Report of the Kansas State College, "The decade of experience has demonstrated

conclusively that the Regents acted in the public interest when they adopted the present policy. Without increasing the cost of operating the College, the policy enriches the scholarship and experience of the faculty and thus contributes to the improvement of the College's research and educational service."

Dr. Warren Heads Poultry Scientists

DR. D. C. Warren, poultry geneticist of Kansas State College was elected head of the Poultry Science Association at the annual convention held at Stillwater, Okla., in August.

The Poultry Science Association includes research workers in the United States and Canada. There are over 500 teachers, investigators and extension workers who are members of the association.

The association has been organized for 33 years and Doctor Warren has been a member since 1923. Since Doctor Warren has been a member he has served on the editorial staff of the Poultry Science Journal.

Last year Doctor Warren received the Borden award which consisted of \$1,000 and a gold medal. This award is made possible by the Borden Milk Foundation for outstanding work in research. Doctor Warren was the third person to receive the award.

Members of the Poultry Science Association who have made the greatest contributions to the poultry industry are elected as Fellows to the Association. Only thirteen men have been elected "Fellows" in the association and Doctor Warren was the eleventh of these.

Doctor Warren received his A. B. and A. M. degrees in 1914 at Indiana University. The next three and one-half years he spent doing research work in the experiment station for economic entomology in Alabama and Georgia. He received his Ph. D. degree in genetics at Columbia University in 1923 and came to Kansas State College the same year. In 1930 Doctor Warren spent three and one-half months visiting genetics laboratories in Europe and included a trip to Russia.

—Edward G. Buss

The Farmer's Place in Our Defense Program

Kansas farmers will do their part in the "Food for Defense" program that has been outlined by the government.

By ROBERT WAGNER

"FOOD will win the war and write the peace". This statement is a favorite of Secretary of Agriculture Claude R. Wickard, and it places a direct responsibility upon every student of agriculture, farmer, and other agriculturists of our country.

American experts, as never before, realize the importance of agriculturists and agricultural products in the maintenance of an efficient army. The old statement repeated many times—"the army marches on its stomach"—may be a well worn phrase, but it certainly has more truth than triteness.

Realizing the necessity of a well fed army, a defense committee, composed of experts drawn from all agencies of the Department of Agriculture, has set higher goals of production for 1942 than for any year in the history of American agriculture. These goals provide for a total farm production 15 per cent higher than the 1924-29 average.

As the committee has it outlined, the commodities needed to be increased more than any others are all meats, eggs, and—especially—milk and milk products. In announcing these goals Secretary Wickard stressed that there are a few crops, such as cotton, wheat, and tobacco of which we have huge stores, that should be reduced rather than increased.

This is a brief summary of our agricultural needs from the nation as a whole. Now, let's get closer to home. Where does Kansas come in, and what part will Kansas farmers play in national defense? A brief study of the goals shows that Kansas will need to produce more of several commodities and "with the outlook as it is, we should reach all of these increases", commented L. C. Williams, assistant Dean, Division of College Extension, Kansas State College.

The defense goals for Kansas show that the pork, milk, egg, sheep, and beef businesses should be good in this

state next year. These 1942 goals provide for an increase over 1940 production of 10 per cent in pork, 4 per cent in milk production, 15 per cent in eggs, 11½ per cent in sheep and lamb production, and 18 per cent in beef slaughter.

Mr. Williams warned that the relatively high prices for beef cattle may encourage expansion in numbers rather than in slaughter. In further warning C. R. Jaccard, extension specialist in economics, made this statement. "With beef cattle numbers in the United States as they are it is certain that as soon as defense efforts let up, there will be a big slump in cattle prices. Therefore, it looks like it would be good business to market everything over five years old before July of 1943."

The defense committee has also set up goals measured in per cent of crop land for Kansas. In per cent of her 48,000,000 acres of crop land the following goals have been established

for 1942: wheat 39 per cent, corn 10 per cent, other feed crops which include corn in non-corn allotment counties 18 per cent, conserving crops 20 per cent. The remaining 13 per cent is termed other crop land not in goals.

It is interesting to note that there is a definite relation between these goals and those set up by the Kansas Land-use Planning Committee and the Agricultural Experiment Station. These are the long-time goals that the committee set up as being ideal for Kansas agriculture. This committee allotted 36 per cent of the cropped land to wheat, 16 per cent to corn, including all corn in the state, 19.5 per cent to other feed crops, 26.5 per cent to conserving crops, and 3 per cent to other soil depleting crops.

It will be noted that the goals set by the two committees are almost identical. The greatest discrepancy is the difference in the allotment for feed crops. The Land-Use goals call for 35.5 per cent of crop land in feed while the defense goals call for only 28 per cent.

"This probably means if Kansas stockmen produce livestock as set up in the goals, more of the 13 per cent not in goals will have to be used for feed," said Mr. Jaccard.

What do these goals mean to Kansas Farmers? In answer to this ques-

(Concluded on page 19)

Editorial Skullduggery Here



These men of the staff of The Kansas Agricultural Student are pretending to be hard at work, planning stories and features for the magazine. They really knew, however, that the above picture was being taken. The men are, from left to right, Acton Brown, Carroll Mogge, Oscar Norby, Ronald Campbell, Roger Murphy and Tommy Benton. Those seated are Bob Randle, Elwin Todd, Robert Wagner and Robert Singleton.

New Course in the Agricultural Curriculum

A new course in Extension Methods has been added to the curriculum to satisfy the increasing interest in extension work.

By OSCAR NORBY

THERE has been an ever increasing interest in extension work for several years among college students in the Divisions of Agriculture and Home Economics. This year, for the first time at Kansas State, seven men are enrolled in a course in Extension Methods.

Ralph Barker, Arlo Brown, Dave Goertz, Truman Gregory, William Guy, Kenneth Kirkpatrick and Dean Weckman are the men taking the new course. In addition Vernon Eberhart, Dick Merryfield, and Helen Loofborrow are auditing the course.

Some time ago President F. D. Farrell became interested in offering such a course. He appointed a committee consisting of representatives from different fields of study. Dr. George Gemmell was appointed chairman and extension representative of the committee which included eight other members from the Divisions of Agriculture, Home Economics, General Science and extension and the 4-H clubs. Their report was favorable to the organization of such a course and Leonard Neff, an extension worker, was chosen to teach the course.

In 1914 when the Extension Service was established and for several years thereafter, there was no great need for such a course. The number of Extension workers were relatively few and their work could be learned in the field. When the Extension Service was started, however, an agreement was drawn up with the United States Department of Agriculture wherein they agreed to further any educational services which that department undertakes.

The problems of adjusting agriculture to new and changing situations have caused great changes in agricultural policy. To meet these situations the United States Department of Agriculture has set up a number of agencies. The Farm Security, Soil Conservation Service, Agricultural Adjustment Administration, Farm

Credit Administration, Forestry Service and Rural Electrification Administration are a few of the services now handled through the Extension Division.

These agencies require trained extension workers and are drawing on the workers trained for County Agent, Home Demonstration Agents, and Vocational Agriculture and Home Economics teaching, according to Mr. Neff. In addition there have been developed in the past 25 years of Extension some very definite techniques and problems of getting farm people to advance from old customs to new ones and to adopt policies of proven worth.

Consequently the committee found it highly desirable to have a course in Extension Methods, and put it under the direction of Mr. Neff. He is handling it in a practical way. Through the cooperation of the Riley County Farm Bureau and its County Agent, Leonard Rees, Mr. Neff and his class are combining class room discussion with field experience by using the Zeandale community for observation.

The community includes most of Zeandale township. Whenever meetings are called in the community, the class or a committee from it attends the meeting and reports to the class. There they study the method of organizing a standard community for extension work. They observe the extension methods, the methods of teaching and the methods of developing a program of work.

They study each step of the work in the classroom first. They next experience it in the field by observing and participating if possible. Last of all they discuss the project and whether it accomplished its purpose and how to improve it.

Many Extension specialists are called in to assist Mr. Neff in his teaching when they are especially well qualified for the subject of discussion. Dean Call, Dr. George Gem-

mell, Lisle Longsdorf, extension editor, C. R. Jaccard, T. C. Williams, M. H. Coe, Miss Georgiana Smurthwaite, Mary C. Baird, C. H. Teagarden, Frank Blecha and Dean H. Umberger, Director of Extension, are the specialists who are assisting with the class during the semester.

At the present time the course is only open to men in the senior class and is taught only in the fall semester. Mr. Neff emphasized the fact that women should be included in the class. Even though they do not deal with the same material, the extension methods for their work are the same as for the men. It is his belief that the course will be helpful to anyone planning on going into any phase of the field of extension.



STUDIO ROYAL

Portraits
in the
Modern Manner

by
LAURENCE
BLAKER

1202 Moro

Dial 3434

Agricultural Frontiers No Longer Geographic

Young farmer of today should adopt latest practices advanced by research to make a success.

By TOMMY BENTON

GRANDFATHER, as a youth, shouldered his gun and set forth into the wilderness, shot a few Indians, bears, panthers, and other 'varmints' of the wilds and after a few years of hardships established a home where he could bring up his family. The situation for today's youth has changed. No longer are there new, fertile, unclaimed lands to settle on, but he finds his chance on the farm by means of a college education.

Grandfather had no problem in supplying the needs of his family at first because of the abundance of natural resources around his home. Gradually these were exhausted and he was forced either to move on to a new frontier or to begin to cultivate the land of the homestead he had won from the wilderness.

Deciding to stay by his well established home, Grandfather found a new untold wealth in the cultivation of his land. The ground was so rich that abundant crops could be grown with only the smallest amount of care. So Grandfather prospered.

Grandfather's son, in growing to manhood on the fertile lands of the middle western farm which his father tilled, observed the abundant results of his father's work and decided that the farm was a good place to be. So he took over the homestead of the aging parent and continued to work the land. For a time the harvests of the young farmer continued to fill his granaries as had those of his father. So he continued, plowing, planting, and harvesting, year after year.

Suddenly the farmer realized that his land was no longer producing as it had. Year by year the profits had slowly dwindled away. The land had turned from the deep black loam of the virgin soil to the lighter browns and grays of the depleted loams of the farms of today.

The farmer continued to farm

(Concluded on page 18)

JUDGING CONTESTS

(Continued from page 4)

with a let-down feeling. *If only I hadn't forgotten to mention that light quarter on the No. 4 Guernsey; hope I mentioned the crooked legs on No. 2 Holstein; he must have given me a few points for mentioning that wry nose on the bottom Jersey.* And you finally get to the room feeling how much better you could do with another chance. The rest of the boys are waiting and you compare placings class by class. Nobody agrees on all classes and your heart and hopes begin to sink lower. It's a forlorn group of boys in a gloomy room. One stretches across the bed glaring at the ceiling, another sits on the floor and a third slumps in a chair. It doesn't matter now when you eat, more important now are the time and money you spent on practice trips, the time out of school. . . . *And now I've muffed the big chance. Well, I guess we just didn't have it in us.*

Any other time a dollar banquet would taste pretty good—but not this one. You don't care to look at the trophies at the speaker's table, you wish it were over and wish you were home. *The speeches are dry and the*

jokes are terrible—Can't see why they aren't fewer and funnier. Finally comes the results and your heart does double time. It just can't be helped even if it is heavy. First are the Ayrshire results—Oh, why do they always have to give tenth places first? Anything to keep it away longer. Fifth place already and he hasn't mentioned us—and we figured our best chance was in this breed. Do I feel sick? Fourth place, third place, second place . . . your cigar almost goes down your throat . . . "and first place to Kansas." It's fourth in Holsteins, seventh in Brown Swiss and Guernseys and first again in Jerseys. By golly, maybe we didn't do so bad after all—boy if we win, Doc will be right down proud of us—Still, though, Iowa and Texas are up pretty high, too. Ah, here come the totals. Tenth place, ninth place, eighth place, seventh place, sixth place . . . go ahead, mister, say Kansas any time, fifth place—my heart skips a beat now and then—fourth place, Nope, guess we were just built up to a let down, can't be this high— "and third place to Kansas."

The first thought is that you should have done better, if you just hadn't made those last minute switches, you might have won. The second thought is there are 21 teams below you and only two above.

That night you don't go to sleep quite so quickly either. But the next morning you don't get up at 5:30 o'clock and you feel sort of proud of yourself and happier yet that you are associated with one of the greatest things in the world—the selection of good livestock.

The Old Heave-Ho

Terry Dougherty, the Collegian columnist who said some things the Ags didn't like, gets the ole heave-ho toward the horse tank. Bob Wagner and Dick Evans just turned loose at the top of the swing while Tommy Benton, Maynard Abrahams, Dave Goertz, Ned Rokey, et al. look on approvingly.



Who's Who in the D

By ROBERT SINGLETON

Departmental and divisional clubs in the Division of Agriculture contribute much to that something called a college education. Too many times an education is regarded primarily as the collection and "filing away" in one's mind of a lot of facts. The student organizations in the Ag division are valuable supplementaries to collegiate courses. The clubs have a valuable place in the life and education of a student.

We may be guilty of boasting a little, but we honestly feel that in the Ag division there is more of a feeling of comradeship—an "*esprit de corps*"—between the students and between students and faculty members. The departmental clubs foster that democratic spirit by providing the fellowship, the opportunities for self-expression and better acquaintanceship.

Membership in the clubs is voluntary, and several of the clubs do not limit membership to students in their own department. Members of the scholastic honorary societies are chosen on the basis of grades in their course work, plus their leadership ability, personality and interest shown in the field of agriculture.

The students listed here as officers of the various organizations are taking advantage of the opportunity to develop themselves as leaders in the field of agriculture.

THE AGRICULTURAL ASSOCIATION

Bert Danielson, *President*
James Cavanaugh, *Vice President*
Calvin Doile, *Secretary*
William Mudge, *Treasurer*
Ronald Campbell, *Barnwarmer Manager*
Robert Wagner, *Editor, Agricultural Student*

The Agricultural Association includes all students enrolled in the Division of Agriculture. It meets once each month. It cooperates with the Dairy Club and Block and Bridle Club to sponsor the annual Little American Royal, the student fitting and showmanship contest.

AGRICULTURAL ECONOMICS CLUB

Bert Danielson, *President*
Paul Kelley, *Vice President*
James Nielson, *Treasurer*
Freeman Biery, *Recording Secretary*
Keith Fish, *Corres. Sec.*

This organization is the student club in the Department of Agricultural Economics. It is one of the "wide-awake" clubs in the division and brings prominent speakers to the campus for their meetings. The club

joins with Tri-K and Alpha Mu each year in a joint meeting.

ALPHA MU

Don Fleming, *President*
Don Dubois, *Vice President*
Johnny McCammon, *Sec.-Treas.*
Ralph Kueker, *Cor. Secretary*

Alpha Mu is an honorary organization in the milling department. Membership is limited to milling students with high scholarship and good character.

ALPHA ZETA

Oscar Norby, *Chancellor*
Robert Wagner, *Censor*
Conrad Jackson, *Scribe*
Max Dawdy, *Treasurer*
Robert Singleton, *Chronicler*
Bert Danielson, *Historian*

Alpha Zeta is the honorary organization for the Division of Agriculture. Members are selected from among the undergraduate students on the basis of scholarship and leadership, personality and character. The organization each year awards a medal to the freshman in the division with the highest scholastic average for the year. A banquet is held each spring for the undergraduate and alumni members.



These ag students head their departmental or divisional clubs: Paul Kelley, Sears Club; Scott Kelsey, Hort Club; George Inskeep, Economics and Agricultural Association; Oscar Norby, Alpha Gamma Rho fraternity; (seated) Don Fleming, Tri-K, FarmHouse fraternity; Carroll Mogge, Poultry Club.

BLOCK AND BRIDLE CLUB

George Inskeep, *President*
Bruce Robertson, *Vice President*
George Wreath, *Secretary*
Jack Cornwell, *Treasurer*
Darrell Bozarth, *Reporter*
James Nielson, *Yearbook Editor*

Block and Bridle is a national organization and the chapter at Kansas State rates "tops" among the 24 in the United States. The club's membership includes all students interested in animal husbandry. Special events sponsored by Block and Bridle include a steak fry each fall and a livestock judging contest each spring. Members of the club take an active part in the supervision of the vocational agriculture livestock judging contest held here each spring, also.



Dean and

L. E.

Division of Agriculture



ALPHA GAMMA RHO

Robert Lank	<i>President</i>
Ray Rokey	<i>Vice President</i>
Oscar Norby	<i>Secretary</i>
Edwin Kline	<i>Treasurer</i>

Alpha Gamma Rho is a national social fraternity. The local chapter members, a majority of whom are students enrolled in agriculture, have among them leaders in the scholastic and social life of Kansas State.

FARMHOUSE

Robert Wagner	<i>President</i>
Glenn Shriver	<i>Business Manager</i>
Conrad Jackson	<i>Secretary</i>
Roger Murphy	<i>Treasurer</i>

FARMHOUSE FRATERNITY

FarmHouse is a national social fraternity composed of students majoring in agriculture. The members of the local chapter take an active part in the extracurricular activities of the division and the College.

THE HORTICULTURE CLUB

Scott Kelsey, *President*
Wm. Patterson, *Vice President*
Julius Mai, *Sec.-Treas.*
Ralph Beach, *Program Chairman*

The Hort Club is for students majoring in horticulture. The members assist with the annual Horticultural Show put on by the department. They also sponsor a ping-pong tournament for the departmental clubs.

THE POULTRY CLUB

Carroll Mogge, *President*
Theodore Levin, *Vice President*
Edward Buss, *Sec.-Treas.*

The Poultry Club is the departmental club of the Poultry Department. Membership is open to anyone interested in poultry. The club sponsors a poultry judging contest each fall.

COLLEGIATE 4-H CLUB

Gordon West, *President*
Keith Jones, *Vice President*
Alma Deane Fuller, *Secretary*

The Collegiate 4-H Club is composed of former 4-H club members on the campus. Its function is mainly social, but it participates in many college activities. A yearbook, "Who's Whoot", is published each year.

THE DAIRY CLUB

Max Dawdy, *President*
Malvin Johnson, *Vice President*
Charles Schwab, *Sec.-Treas.*

The Dairy Club is the departmental club from that department. They sponsor the annual dairy products judging contest and the dairy cattle judging contest in the spring.

KLOD AND KERNEL KLUB

Robert Wagner, *President*
Robert Singleton, *Vice President*
Donald Wood, *Secretary*
Acton Brown, *Treasurer*
Floyd Smith, *Reporter*
Elmer G. Heyne, *Faculty Sponsor*

The Klod and Kernel Klub, better known as "Tri-K," is the student organization in the Department of Agronomy. Meetings are held on the first and third Tuesdays of each month during the collegiate year. Early in the fall semester, Tri-K "throws" a steak-fry as a means of getting acquainted with prospective members. New members are initiated at a wiener roast later in the semester.

Each spring Tri-K sponsors a student crop-judging contest.

SEARS SCHOLARSHIP CLUB

Paul Kelley, *President*
James Nielson, *Vice President*
Lowell Penny, *Secretary*
John Aiken, *Treasurer*

The Sears Scholarship Club is composed of students who spent their freshman year at Kansas State on Sears Agricultural Foundation scholarships. Fifteen farm boys each year are selected to receive these awards. One student from each "Sears class" is selected to compete for the national Sears Sophomore Award. Dean C. W. Mullen is faculty adviser for the group.

onal clubs and fraternities. (Back row, left to right) Paul keep, Block and Bridle; Bert Danielson, Agricultural Eco-Alpha Zeta; Gordon West, Collegiate 4-H Club; Robert Fleming, Alpha Mu; Max Dawdy, Dairy Club; Robert Lank, Club.

d Director



. CALL

Students Take Pride In the Honor Roll

Each student in the Division of Agriculture hopes to find his name in this list.

By CARROLL MOGGE

Of the 688 students enrolled in the Division of Agriculture 143 made high honors and 111 made honors.

It is an honor for the student to find his name on this list. It is from this group that all the honor societies select their members. Furthermore, the students on this list have no flunk slips to worry them.

A list of the students receiving high honors and honors appears below.

SENIOR HIGH HONORS

	Hrs.	Pt. Av.
Theodore E. Stivers	31	2.81
George W. Cochran	28	2.71
Glenn M. Busset	30	2.70
L. Eugene Watson	32	2.69
Howard L. Carnahan	32	2.63
Orville W. Love	33	2.61
Leland L. Groff	39	2.59
Milton L. Manuel	32	2.56
Frank A. Slead	33	2.48
Paul E. Smith	31	2.48
Boyd H. McCune	35	2.46
Emerson L. Cyphers	33	2.45
Eugene E. Woolley	35	2.43
Wilber W. White	34	2.41
V. Eugene Smith	30	2.40
James F. Booth	32	2.38
Walter M. Keith	35	2.34
Arden Reiman	33	2.33
Arthur C. Mangelsdorf	34	2.32
William B. Briggs	29	2.31
Bert W. Gardner Jr.	28	2.29
J. Stanley Winter	31	2.29
Paul L. Brown	33	2.27
Kenneth R. Jameson	35	2.26
Donald Yost	31	2.26
James R. Peddicord	26	2.23
Paul E. Sanford	35	2.23
Carlyle P. Woelfer	34	2.23
Lloyd C. Jones	32	2.22
Wilbert Greer	24	2.21
Arlo A. Brown	32	2.19
William H. Winner	37	2.19
Orville B. Burtis Jr.	34	2.18
Thello C. Dodd	37	2.16
Joseph J. Rosacker	32	2.16
Charles H. Adams	26	2.15
Doyle W. LaRosh	35	2.14
Merle E. Foland	31	2.13
David H. Long	33	2.09
Rollin M. Starosta	26	2.08
Merton Badenhop	28	2.07
John F. Faley	30	2.07
Perrin K. Symns	30	2.07
Harold R. Jaeger	31	2.06
Robert B. Wells	33	2.06
James D. Bulger	30	2.03
Warren R. Rhodes	33	2.03
Benjamin W. Tempero	33	2.03
John R. Widdle	29	2.03
Willard H. Meinecke	29	2.00

JUNIOR HIGH HONORS

Robert R. Singleton	30	2.83
George C. Wreath	30	2.73
Walter L. Bieberly	32	2.72

Raymond R. Rokey	34	2.62
Donald E. Fleming	32	2.53
Robert E. Wagner	32	2.53
Warren B. Nelson	32	2.50
Harvey R. Kopper	34	2.47
Floyd W. Smith	38	2.45
Francis Wempe	31	2.45
Raymond W. Headrick	36	2.44
Scott W. Kelsey	34	2.44
G. A. Mullen, Jr.	35	2.40
Oscar W. Norby	33	2.39
Robert O. Yungbans	26	2.35
Murray L. Kinman	32	2.34
Ray A. Keen	30	2.30
Gilbert Branda	35	2.23
Dean K. Weckman	35	2.20
Acton R. Brown	33	2.18
Calvin A. Doile	34	2.18
Leonard A. Deets	33	2.15
J. William Mudge	31	2.13
Donald R. Bozarth	34	2.12
O. Conrad Jackson	34	2.12
Dale E. Brown	31	2.10
George M. Inskeep	31	2.10
Kent L. West	36	2.08
Robert C. Gilliford	30	2.07
Vernon L. Heitman	28	2.07
Russell C. Klotz	29	2.07
Edward Mayo	35	2.06
Joseph S. Rogers	33	2.06
Roger Phillips	36	2.03
Maynard L. Abrahams	29	2.00
Ernest L. Semersky	34	2.00

SOPHOMORE HIGH HONORS

Paul L. Kelley	32	2.88
Warren Schlaegel	35	2.84
George W. Curtis	32	2.75
James M. Nielson	27	2.63
Freeman E. Biery	32	2.50
Harold Schraer	30	2.50
Lowell H. Penny	32	2.47
Glen P. Schulthess	33	2.45
Donald Wood	32	2.38
Leo V. Miller	32	2.31
Roy G. Currie	32	2.28
Keith G. Jones	32	2.26
Roger G. Murphy	31½	2.24
H. Lloyd Francis	34	2.21
Homer J. Cornwell	35	2.20
Lewis H. Schafer	35	2.20
Joseph E. Jagger	31	2.13
Edward G. Buss	33	2.12
W. Bruce Robertson	33	2.12
Robert F. Randle	32	2.09
John J. Gilkison	34	2.06
LaVerne C. Harold	33	2.00
Gordon E. Hoath	28	2.00

FRESHMAN HIGH HONORS

Marlo B. Dirks	32½	2.94
James O. Larson	33	2.82
Walter H. Smith	33	2.82
Dale A. Knight	33	2.76
Robert O. Pickett	33	2.70
Harold L. Hackerott	33	2.66
Alfred J. Koch	32	2.63
Melvin J. Stiefel	25	2.60
Lloyd G. Alvey	32	2.59
Chester B. Wood	33	2.55
Robert J. Flipse	35	2.51
John M. Aiken	35	2.46
John H. Tasker	35	2.46

Harold M. Riley	33	2.42
William Henry Jr.	30	2.37
Wallace H. Anderson	33	2.32
John E. Sayler	33	2.30
Howard J. Johnstone	33	2.27
Carol C. Montgomery	31	2.21
Foster Yeager	28	2.21
James H. Shaver	35	2.17
Wayne L. Good	27	2.15
Frederick N. Palmer	30	2.13
Bernard Taub	31	2.13
Richard M. Keith	34	2.12
Lloyd E. Kuhnmuench	33	2.12
Clair K. Parcel	33	2.12
William M. Phillips	27	2.11
William D. Hadley	33	2.09
Wesley H. Werts	32	2.09
Charles B. Worthington	33	2.06
Harlan R. Shuyler	29	2.02
Ronald G. Billings	33	2.00
William K. Wieland	33	2.00

SENIOR HONORS

	Hrs.	Pts.
Merrill G. Abrahams	33	62
Howard R. Anderson	31	53
Clarence A. Bechtold	33	53
Lester E. Brown	34	66
Robert W. Brush	33	51
Dean R. Cassidy	28	52
Wayne R. Colle	32	56
David F. Crews	32	53
Clayton C. David	31	54
John W. Dummermuth	33	56
J. Wellington Dunn	32	54
Paul R. Edwards	33	51
Rush Elmore	33	61
H. Eugene Fair	32	61
Jack Featheringill	33	64
HoBart W. Frederick	35	58
Jackson George	31	56
Orval A. Harold	32	62
Frank W. Howard, Jr.	33	65

MUMS

The Word—

at football time.
We have **them**
and a fine assort-
ment of other

Flowers
Plants
and Gifts

MARTINS

Dial 3314

1214 Moro

Dale C. Hupe	31
Kenneth O. Kirkpatrick	31
Roscoe D. Long	31
Nolan G. McKenzie	33
Russell W. Miller	33
Ray Morrison	33
Wendell A. Moyer	34
Eugene E. Poggemeyer	35
H. Albert Praeger	33
Gerald D. Ressel	33
H. Lyman Singer	29
Henry J. Smies	31
A. Paul Timmons	35
Loren L. VanPetten	35
Cecil M. Wenkheimer	32
Charles E. Works	34
Albert W. Yoxall	31

JUNIOR HONORS

James F. Aiken	32
Robert Arbuthnot	33
Ralph E. Barker	32
Willard M. Barry	29
Fremont H. Baxter	29
Clarence K. Brown	33
Ronald W. Campbell	33
Charles E. Clark	32
Lloyd W. Compton	34
C. Bertil Danielson	32
Donald K. Dubois	32
Theodore M. Ehlert	32
Edward H. Elling	30
Elton A. Endocott	31
Jack B. Fields	32
Keith Fish	31
William R. Fockele	34
Eldon D. Gladow	32
Oscar J. Glotzbach	29
Carl R. Gray	31
Norman J. Griffith	33
William D. Guy	31
Ernest O. Harris	27
Griff R. Hughes	33
Frank L. Marcy	33
Raymond C. Muret	33
Lloyd H. Orrell	33
Ethan Potter	33
Edward A. Reed	27
Richard G. Wellman	33
William J. Werts	34

SOPHOMORE HONORS

Max Benne	31
Lester J. Brenneis	28½
Melvin Dewees	32
Daniel Durniak	34
George H. Fritz	31
Wilbur W. Hart	29
Malvin G. Johnson	28
Luther C. Kissick	33
Norman L. Kruse	32
Ralph J. Kueker	33
Walter B. Lukens	33
Gilbert J. Meyer	31
Carroll A. Mogge	31
Edward W. Morrison	34
Walter H. Porter	34
Darrell A. Ressel	26
Charles B. Schwab	29
E. George Seufert	33
Leslie H. Sherman	34
Harold A. Snyder	32
Julian Sundgren	31
Wilber G. Tendick	27
William D. Turner	30
James R. Upham	32
Morris A. Van Daele	29
John R. Weir	34
Norman V. Whitehair	32
Oid L. Wineland	32
Dale Woolsey	25

FRESHMAN HONORS

John C. Banbury	33
Charles G. Bruna	28
Seymour Cohen	33
Rufus Davis	33

Homer R. Elling	30
George H. Gatz	33
Gerald D. Goetsch	29
Arthur N. Hibbs	32
Loren I. Holm	27
Donald F. Irwin	33
William H. Parmely	35
Duane R. Peterson	33
Carl I. Roth	33
Victor C. Thompson	34
Max C. Weeks	33

"Essential for the Defense . . ."

A GROUP of five men on the faculty of Kansas State College are doing their little bit for defense. The work of these men differs from that of most defense workers. Instead of trying to enlist students as soldiers and sailors, they spend their time supplying reasons to the local boards to prove that some of the students in Kansas State are studying courses essential for the defense of the nation. This board consists of Prof. C. H. Scholer, Division of Engineering, Chairman; Prof. D. L. Mackintosh, Division of Agriculture; Dr. A. B. Cardwell, Division of General Science; Dr. Herman Farley, Division of Veterinary Medicine; and Dr. R. C. Langford, Division of Graduate Study.

This board has only the power to recommend a student for deferment and then it is up to the local board to decide whether or not the deferment will be granted, according to Professor Scholer. A student is not recommended for deferment unless his point average is high enough to indicate that it will be possible for him to graduate on completion of the required number of hours.

Approximately five hundred students have been considered by the board since it was set up last spring, but they have no way of checking to find how many of these students were actually given deferments. It is customary for the board to recommend that the student's call to service be postponed until the end of the present term even though he may not be enrolled in one of the necessary courses. This prevents the working of a hardship on the student, especially if he is going to school on a scholarship and will not receive the money unless completing the present term.

The fields necessitating the greatest number of deferments are medicine, veterinary medicine, and engineering.

If the present shortage of labor continues in the agricultural field, it too will soon be included as a field necessary for deferment.

Professor Scholer said that the board has been receiving fine cooperation from both the students and the local boards. However, it is his belief that if the student has been notified of his call before enrolling in school, he can save both himself and the board considerable time and inconvenience by contacting his local board before enrolling.

It is a great service that this board is performing for the students and it is certainly appreciated by those whom it has helped to continue their education.—Tommy Benton.

There are hundreds of varieties of cheese in the world. For instance, does your grocer have Bgug-Panir, Chaschol de Chaschosis, Edam, Gouda, Bond Ost, etc. . . . our grocer has two kinds of cheese, we found out by asking the other day. They're "square cheese and round cheese."

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Our Nu-Sheen

cleaning makes your
garments look like
new.

CAMPUS WASH SHOP

Let us do your
bachelor bundles.

The City Dweller

YOU'LL encounter city dwellers
on almost every street,
And you'll find them about as decent
as most any folks you meet;
But they've got a queer conception
of the farmers' way of life,
For they seem to think it nothing but a
lot of grief and strife.

Sure, we work from dawn 'til dark sometimes
to see that crops will grow,
And endure the drouth of summer,
and in winter-time, the snow;
But it's a healthful sort of living
we enjoy away out here,
And we never have to worry that
we'll breathe our neighbor's air.

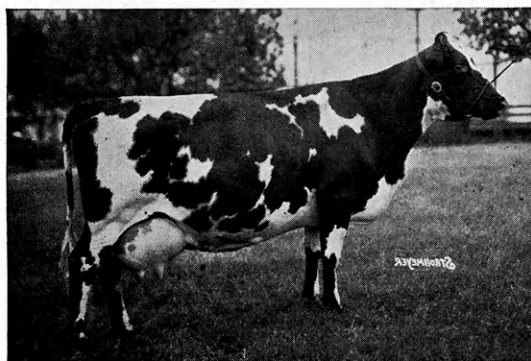
We're considered dumb, and oft-times bear
the brunt of many jokes,
Because we're slower thinkers than
some of the city folks.
This amuses us no end, for
I doubt if they know how
Before their milk is bottled
it must be taken from the cow.

When the Fourth of July, Christmas,
or Thanksgiving rolls around,
'Tis then the city dweller starts
to migrate from the town
Out into the country, where
they smell the new baked bread
And they know when meal-time has arrived
the table will be spread.

Well, they can criticize us greatly
for our faults which may be many,
And they seem to pick them out in
a way that's quite uncanny;
But when the facts are brought to bear
it seems to me a pity,
That the joke about the farm
is on the fellow from the city.

—Tommy Benton

This Is "Old 29"



First grade cow in the United States to produce over 100,000 pounds of milk. Owned by Colby Branch Experiment Station.

An Obituary For "Old 29"

"OLD 29", the cow that brought people for miles around to the Colby Branch Agricultural Experiment Station, died this summer. She was part of the Station's "grading up" program and in her 19 years produced 150,389 pounds of milk and 5,788 pounds of butterfat. She had the distinction of being the first grade cow in the United States to produce over 100,000 pounds of milk.

In 1916, when the Colby Branch Experiment Station was established, the superintendent decided to prove the practicability of the grading up program. He bought six cows of unknown parentage and a registered Ayrshire bull. Old 29 proved that it is possible to build up a good herd out of scrubs. She is not the exception but the rule for No. 52, another cow from the same herd, equaled Old 29's record a few years later, and Mr. Coles believes that he has some other cows that will go to the top.

Old 29 was never milked more than twice a day and was always handled as a part of a herd that received practical farm management. During the summer months the roughage consisted of native buffalo grass pasture, while in the winter it consisted of Sumac silage and alfalfa hay.

In 1935, Old 29 drove the bathing beauties out of the rotogravure section when she was shown by the Ayrshire Breeders' Association at the Hutchinson and Topeka State fairs, The National Dairy Cattle Congress, Waterloo, Iowa, and the National Dairy Show at St. Louis, as the first grade cow to produce 100,000 pounds of milk on a twice a day milking schedule.

When August of this year rolled around "Old 29" was beginning to show her 19 years. She was lame in her hind legs and too weak to live through the winter. Mr. Coles decided that the humane thing to do was to put an end to her existence. Still bright of eye and inquisitive in spirit to the last "Old 29" passed quietly away.—Don Wood.



Judging Teams Get a Good Start

Kansas State College judging teams got off to a good start this year with the Dairy Cattle Judging Team the best in years. This team composed of Jim Cavanaugh, Max Dawdy, and John Weir with Malvin Johnson as alternate placed first at the National Dairy Cattle Congress at Waterloo, Iowa, with 11 teams competing. Weir was third high individual, Dawdy was fifth, and Cavanaugh tenth. At the National Dairy Show at Memphis, Tenn., the team was third with 24 teams competing. Cavanaugh placed fifth and Dawdy eighth in individual placings. Dr. A. O. Shaw is coach of the team.

The Dairy Products Team coached by Prof. W. H. Martin traveled to Toronto, Canada, for the international contest. The team placed 19th with 22 teams competing. Members of the team were Maurice Van Daele, Charles Baxter and Maynard Abrahams with Chase Wilson as the alternate.

Two judging teams competed at the American Royal at Kansas City. The Livestock Judging Team coached by Prof. F. W. Bell placed fifth out of 20 teams entered in the contest. The boys who judged were Jay Griffith, Harold Peterson, Frank Marcy, George Wreath, and Calvin Doile.

Bruce Robertson, Jack Cornwell, and Ed Kline with Leigh Hines as alternate represented Kansas State College on the Meats Judging Contest. The team placed seventh out of the nine teams entered. Prof. D. L. Mackintosh is coach of the team.—Roger Murphy.

Inskeep's Roosters Are "Fighting Fools"

A FIVE dollar bill will be given to the first boy that can rundown and catch, single-handed, one of George Inskeep's bright colored fighting roosters.

"It can be done but it is worth the money to watch a fellow do the trick," George said. The reason is that these chickens grow wild, and are never touched by human hands until they are eventually caught to be eaten.

In the many cattle lots on Dan Casement's farm, north of Manhattan where George lives, each rooster has his own "beat", and a flock of hens, numbering from about three to ten. The hens apparently know nothing of boundary lines and stroll off the beat into another rooster's territory. When one rooster trespasses in trying to keep his hens at home, he is almost always challenged by another rooster, and the fight is on.

As smart as any good boxers, as vicious as any cat and dog fight, they go to it. Always ducking, weaving, sparring for an opening, and a chance to hit his opponent with his spurs. Quick as a flash they go into a clinch and are out again, with feathers flying.

A fight will go on until one of the

roosters becomes exhausted, or until some one separates them. They never quit of their own accord. Very seldom is a rooster killed, but he may get beat up so bad that he cannot see or walk for a week.

Why keep them around? "They are no trouble to raise, and are fun to watch, and are darn good eating, when you catch them," George said.

Royce P. Murphy, '35, who has held a position at the Minnesota Agricultural Experiment Station, doing corn breeding work, will go to Montana State College at Bozeman next February. He will be in charge of corn and alfalfa investigations at Montana State.

AZ's Fall Crop

Dressed in the familiar get-up of an Alpha Zeta pledge, these men constitute the "fall crop" of the honor fraternity of the Ag division. They are, from left to right, Bob Randle, Howard Carnahan, Bruce Robertson, Lowell Penny, Don Wood, George Inskeep, Joe Jagger, Darrell Bozarth, Jack Cornwell and Scott Kelsey. Not present for the picture were three additional pledges, John Weir, Ed Buss and Keith Jones.



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& Marx**

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Nunn-Bush Shoes

Jarman Shoes

Fortune Shoes

Wilson Brothers

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Cooper's Jockey Shorts

**Don and Jerry
CLOTHIERS**

Dr. R. W. Jugenheimer was one of the officials at the state cornhusking contest held near Ottawa last month. Frank Blecha, Gene Cleavinger and Luther Willoughby of the Division of College Extension were also officials at the contest. Because of the muddy condition of the field, the time was cut from 80 to 40 minutes this year.



Praeger Says Army Life Has Many Angles

Editor's note: Several Kansas State "ag" graduates now in the army were asked to relate their experiences and give their opinion of army life. The following letter was written by Al Praeger, president of the Agricultural Association last year.

Dear Ags:

I am in the Army now, and really the work. While we are doing garrison duty, this work is similar to college, our work with the men in the morning, schools in the afternoon, study at nite, and of course, the parties and fun on the week ends.

Since the maneuvers have terminated, we realize that there is a lot to learn. General Krueger also thinks we have a lot to learn, so we have to study.

All the stories you have read or heard about our work during the recent Louisiana maneuvers are probably correct. After seeing what I did, I will believe any story circulated.

I used to think that 4 a. m. was an unearthly hour to get up. But there was many a morning that we had eaten breakfast and marched five to eight miles before 4 a. m.

The food was good and plentiful, but not as good as the newspaper reporters thought. After a few weeks of hard work, men will eat almost anything. The bread was sure a farce. It was positively the worst I have ever seen. The loaf was circular, about fifteen inches in diameter and eight inches high. I do not know how it was made, but I saw a 2½ ton truck run over a loaf and the loaf regain its original shape. Then one day we put a loaf out in the rain. The rain was just penetrating the crust when we cut it thirty minutes later. Do not think we did not like it, for we did eat lots of bread. We had plenty of fresh meat and an over supply of good cured ham. This, with plenty of vegetables provided plenty of good food. The last day out, we had T-bone steaks, pie-ala-mode and all the trimmings.

You agriculturists will probably be interested in the Louisiana livestock. I heard about the razorback pigs, but of course did not believe any of the stories. The first pig I saw was a small pig weighing about 125 pounds, had a snout about one foot long, was half legs, and as narrow as a toothpick. I thought it surely was a young gilt until I saw six little pigs following her. The young were about the

size of a tea cup, and could outrun a dog. These pigs were plentiful all over that state.

I can understand why the livestock are like this after living in that sorry, swampy country two months.

The army is a good life. Plenty of exercise, especially walking and all kinds of athletics, lots of study, enough fun and a good chance for advancement during this emergency.

A person does not have to be an officer to enjoy the army. The enlisted man is paid plenty to enjoy all the good times of an officer, with better chances for advancement. But this is only for those who want to work. And now officers candidate schools for promising young men to become officers. Nobody could ask for anything better.

I am happy to be in the service of my country.

Sincerely

2nd Lt. Herman A. Praeger, Jr.
Company A, 38th Infantry
Ft. Sam Houston, Texas

MANY FORMER AG STUDENTS

(Continued from page 5)

a navy boy. He is located at Bldg. 24-7, Rm. 237, U. S. N. A. C., Corpus Christi, Texas.

LIEUT. NOLAN MCKENZIE, '41. Nolan is following the colors in Texas. Co. G, 38th Inf. Hq., Fort Sam Houston, Texas.

The following students of last year are at home at the present time awaiting orders to report for duty in the United States army; in fact, some of them may have been called before we go to press.

Merrill Abrahams, Emerson Cyphers, Paul Danielson, HoBart Frederick, Frank Howard, Dale Moore, Paul Edwards, Warren Dewlen, George Etherington, Edward Mayo, Clyde Pence, Eugene Fair.

Lloyd Jones, '41, is working on his master's degree at North Carolina State College, Raleigh. Lloyd is specializing in grass breeding.

In a story in the Collegian recently, it was said that a girl's father "raises thoroughbred livestock." If the reporter meant horses, why didn't he say horses?

Tommy Benton presided over sessions of the Youth Section of the American Country Life Association, held recently in Nashville, Tenn. He served the past year as national president of the organization. Seven other Kansas Rural Life members also attended the nation-wide meeting, accompanied by M. H. Coe, state 4-H Club leader, and Miss Mary Elsie Border, assistant state leader.

Included in the group were Alfred Koch, Marjorie Simmons, Drusilla Norby, Darell Russel, Helen Woodward, Keith Jones and Wynona Anderson.

Those attending are members of the Kansas State College Collegiate 4-H Club, composed of former club members who are now enrolled in college. This group arranged a poster exhibit telling of the Kansas rural youth organization which was shown at the Tennessee meeting.

Agriculture gives strength to the body and hardihood to the soul, and teaches the free man justice and solidarity.—Socrates.

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Ray Rokey Disproves Theory About Athletes

Ray Rokey, of football fame and several other fames, has certainly disproved the common belief that it takes more brawn than brains to be an athlete. Ray is quarterback of the varsity football team this year and is a regular on the baseball nine, but scholastics has not taken a back seat with him.

Honors pile higher and higher for Ray. Along with his already many activities and honors, he has recently been elected to Phi Kappa Phi, and more recently has been nominated for the 1941-42 Who's Who Among Students in American Universities and Colleges. Ray is also a member of the Student Council.

So, here's hats off to a swell fellow with an enviable record!

Postmen are said to go for long walks on their days off, sailors go rowboat riding, so it's quite logical that collecting china and glass pigs should be the hobby of Dr. C. E. Aubel, swine specialist in the Department of Animal Husbandry. Doctor Aubel has quite a collection, too. Incidentally, he had quite a collection of barrows at the American Royal Livestock Show, winning a hatful of ribbons and the department's share of prize money. The best prize was the grandchampionship with his pen of Poland China barrows.



There is nothing better than farming, nothing more fruitful, nothing more delightful, nothing more worthy of a free man.—Cicero.

Thello Dodd, '41, is teaching vocational agriculture at LaHarpe, Kan.

Ag Students Win Honors

Ten students in the Division of Agriculture have recently been elected to membership in two national honorary societies—Phi Kappa Phi and Who's Who Among Students in American Universities and Colleges.

Five students are now members of Phi Kappa Phi, the national honorary scholastic society. A senior classification is necessary for election. Selection is based on scholastic records alone and only a small number of the seniors of each division are eligible. Membership in Phi Kappa Phi is the scholastic goal of students in all divisions.

Those Ag students elected are: Howard Carnahan, Harvey Kopper, Homer Myers, Ray Rokey, and Floyd Smith.

Ag students were also well represented in the selection of the 1941-42 Who's Who Among Students in American Universities and Colleges. Six of the twenty students that were selected to receive this honor were ags. These students are selected by a secret committee composed of college officials. Selection is based on outstanding accomplishments during the student's college career—both in scholarship and leadership.

This list of students from various universities and colleges of the U. S. is published in the 1941-42 Who's Who Among Students in American Universities and Colleges, along with a bibliography of each person. This provides a means of national recognition without unnecessary expense on the student's part.

Those selected were: Oscar Norby, Ray Rokey, Bob Singleton, Bob Wagner, Arlin Ward, and Pierce Wheatley.—*Jim Cavanaugh.*

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AG FRONTIERS NO LONGER

(Continued from page 9)

the land but with the decrease of its crop raising ability, the family no longer prospered.

The third generation, grandson of the homesteader of the land, now reaching the 'teen age, is faced with a different situation. With the decrease in the earning power of the farms the farming occupation is *shunned and looked down on*. There no longer seems to be the unsounded depths of possibilities on the farm. The father, fearing that the age of profitable farming is past and seeing no new frontiers for his son to conquer, advises him to go to college and learn how to be a County Agent or teacher so that he will have the cash income which he lacks on the farm.

The boy, seeing no other course to follow, heeds the advice of his parent and goes away to school. The father continues to farm the land, wresting a living from it in the good years and existing on it in the bad ones. The son enrolls in college with the intention of making something of himself except a farmer for there seems to be no future there.

His first year he is given the basic courses for his further study to be a County Agent, agricultural economist, or plant breeder. This is the type of work for which he believes an educated man is best suited.

In his sophomore year the courses turn from the basic courses of Chemistry and English to more practical courses of Crops, Soils, Horticulture, and Poultry. Here the young student is impressed by the amount of research and study that has been done by colleges and experiment stations to make farming more profitable. He is surprised by the way some of the practices would fit his father's farm. But yet no thought is given of returning to the farm.

In his junior year he has to decide on the course he will major in. He is undecided what will be his life's work so he chooses Animal Husbandry as his major course and takes his minor subjects in Agronomy and Dairy. From this type of course he can go into any type of agricultural work. He is given courses in the production of different types of livestock and methods of farm management. Also he gets specialized courses in how to reclaim the soil. The youth wonders if maybe there are possibilities on

the farm back home. Can he go back and make it work? If he does will the money invested in his college education be lost? No solution presents itself so the boy continues his education.

Talking to County Agents, Agriculture teachers, and Extension Specialists, the student is surprised to find that approximately three-fourths of these men are just looking for a chance to get into active farming. Some of them are running farms in addition to the jobs they hold.

Returning to school for his senior year the boy becomes enthused over the pointing back to the farm. In selecting his subjects for his senior year he picks the more practical courses of Milk Production, Beef Production, Soil Management, and Marketing Farm Products. In these courses and others he takes, he learns how to handle run down farms. How to instill new fertility into the soil by the use of green manure crops and commercial fertilizer; how to take part of the gamble out of farming by changing from straight crop farming to diversified methods by including livestock in the farming program. Also how yields can be increased by rotation of the crops raised.

He finds that the day of the haphazard farmer is over and that he is being replaced by the scientific farmer who combines a practical knowledge of agricultural problems with an education to make farming a successful occupation.

In nearing graduation the boy realizes that he has not discovered his new frontier as did his grandfather but has created it instead. He has left the farm because it was unprofitable, but is now going back to it because he has learned that it still has great possibilities due to the new farming practices now taught in college. There is no reason why he should subject himself to the struggle and strife of searching for employment in a world already overcrowded with unemployed people when he can be his own boss in a job which has unsounded possibilities. By using his practical and scientific knowledge of agriculture he can turn a now unprofitable business into a thriving enterprise.



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VERN BOYD'S CONOCO

Laramie and Manhattan

Watson Chosen the Outstanding Block and Bridle Club Member

Eugene Watson of Peck, Kansas, was presented the Merit Trophy as the outstanding member of the Block and Bridle Club at their annual banquet last spring.

Watson will compete for the outstanding member in the nation at the National Convention of the Block and Bridle Club. This convention will be held during the week of the International Livestock Show at Chicago.

Among his activities used as a basis for his selection are: Scribe of Alpha Zeta, Gamma Sigma Delta, High Honor Roll for four years, President of Block and Bridle, Who's Who Among Students in American Colleges and Universities, and the Livestock Judging Team.

Watson is now 4-H Club Agent in Rice County.—George Inskeep.

Every investigation which is guided by principles of nature fixes its ultimate aim entirely on gratifying the stomach.—Athanaeus.

THE FARMER'S PLACE

(Continued from page 7)

tion Secretary Wickard says, "Reaching these goals will pay farmers. The demand for farm products in the United States is the highest it has been for at least 12 years. Added to the demand here at home, we have our commitments to the British, whose requests for food have increased greatly since last March when the Lend-Lease Act was passed."

This is the first time in the history of agriculture in this country that production goals for all essential farm commodities have been established. Their basis lies in the realization that agriculture will play a leading role in this game of defense. The future of the entire civilized world hinges upon agriculture.

Jack Cornwell last spring won the silver trophy for taking top honors in the junior division of the Block and Bridle Club livestock judging contest. Bill Winner was second and Glenn Thomas was third in that division. Frank Marcy won the senior division, with George Wreath second and Dick Wellman third. Marcy got a gold medal, and the second and third place winners got silver and bronze medals, respectively.

Professor Atkeson—I am going to speak on liars today. How many of you have read the 25th chapter of the text?

Nearly every student raised his hand.

Professor Atkeson—Good. You are the group to whom I wish to speak. There is no 25th chapter.

New Faculty Members

Ag students have noticed some new faces among the faculty this year. Four of the seven departments in the Agriculture division have men who are teaching their first year at Kansas State.

In the department of Poultry Husbandry, Doctor A. E. Schumacher, a graduate of Pennsylvania State College, is a new member of the staff. Dr. Schumacher received his masters degree from Cornell university.

Donald P. Duncan is a new Forestry instructor in the department of Horticulture. He is a graduate of Michigan university at which institution he received his M. S. degree.

The department of Agricultural Economics has two new faculty members this year. Raymond W. Hoecker is a graduate of Cornell university where he also received his doctors degree, and Harold Fox is a graduate of the class of '41 here at Kansas State.

Another member of the class of '41, Russell Nelson, is an instructor in the department of Dairy Husbandry.—Ronald W. Campbell.

Students

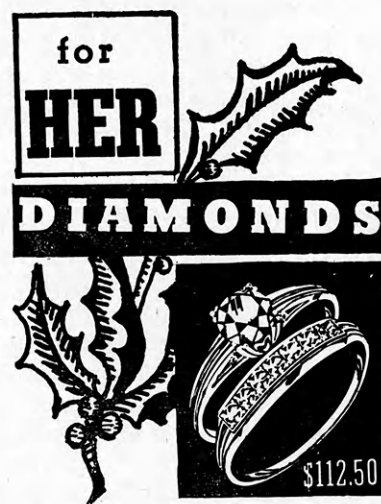
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The Last Word

Editorial Comment



A Cordial Invitation

We hope you will read and enjoy this issue of The Kansas Agricultural Student. When you have read the magazine, we would like your criticism and suggestions in order that it may be made a better publication.

This is your magazine and for that reason special effort is being made to encourage you to contribute articles. Just because your departmental staff member is listed on the mast-head, please don't feel that you are not welcome to contribute your articles, because you are more than welcome. We strongly encourage it! Your articles will be given just as careful consideration as any of those written by staff members.

The Ag Student has frequently been criticized for having too many articles by too few writers, particularly, too many articles by the Editor and Assistant Editor. This has certainly not been the fault of the Editor but rather the responsibility has many times fallen upon him to get stories in order to fill the magazine. This year we hope to eliminate this practice.

So we issue you a cordial invitation to write for your Ag Student! Contact your departmental staff member or any other member of the staff. Hand in anything that you think has a possibility.

Student Council Elections

TO insure students of Kansas State College of more representative student council elections and less of the "popularity contest" type of election, student council representatives will now be elected only by students in their particular division. In order to make this possible, a special election was held at a recent S. G. A. assembly to amend the constitution.

The constitution originally stated that each member of the S. G. A. shall vote for nine candidates as allotted proportionately to the five divisions. A brief study of the clause will show the unfairness of electing student

council members in this manner.

Student council elections originally were nothing more than "popularity contests." The candidate known by the majority was a sure winner. No consideration was given to the candidate's qualifications and abilities. As a result, politics ran rampant and students who were unknown to many of the men and women on the campus were rushed into office on the power of their party affiliations.

For example, what right had the engineers and vets to elect the agricultural representatives on the council and vice versa? There was no possible way in which an engineer or vet could vote intelligently for an ag candidate he had never heard of previous to election time. The divisions with the larger enrollments were electing the representatives of the smaller divisions.

As the constitution is now amended, student council representatives will be elected only by students in that particular division. When students go to the polls to vote they will in the majority of cases know the various candidates and will be able to cast an intelligent ballot.

There will be increased interest in student elections and as a result there will be more incentive to vote. The various divisional activities on the campus will become a means of qualifying a candidate for office because the voting will be kept on a divisional basis. Last but not least, there will be a tendency to eliminate politics from the student elections. Voters will vote for the man and not for the party because they will have an opportunity to know the opposing candidates.—Ray R. Rokey.

A green selectee from Brooklyn coined what is now the Cavalry Training School's battle-cry. The city slicker, who probably had never before seen a horse, shouted to his buddy: "Look, Hoiman. I'm on a horse!" ... and a battle-cry was born.

Excitement Delayed

This year's Ag Barnwarmer was something new and different in that the regular routine of excitement was reversed and of a different nature. Before the Barnwarmer everything was "calm and serene," but that night and for a few days after, there was excitement aplenty.

The close and whole-hearted cooperation of the Manhattan police force with the vets ended early Sunday morning in the dunking of Patrolman Lawrence Smith. Then, when the smoke had about cleared, Tuesday's Collegian appeared with that column of insulting and disparaging remarks about the Ags. This bounced back at the columnist when the ags helped him to a cool bath in the horse tank.

Well, it was all a lot of fun, and it helps to take the monotony out of college. The Ags started nothing, but merely defended their rights and dignity when it came time.

Interest and Variety

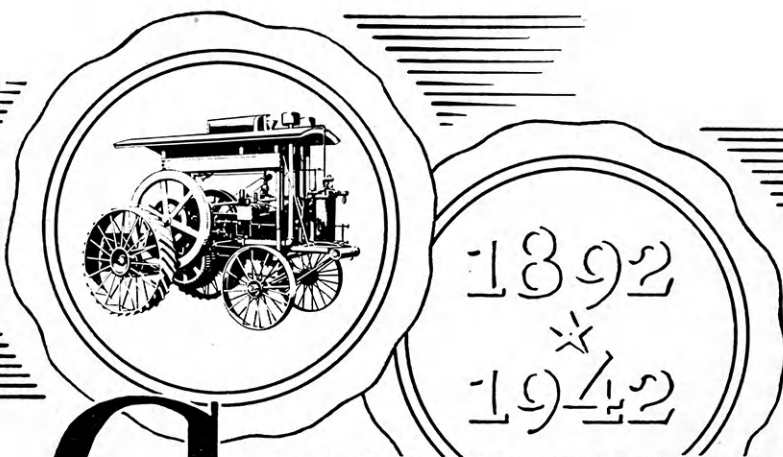
In New Farm Magazine

"The Country Book" is the name that has been given to a new agricultural magazine being published quarterly. The magazine is gotten up quite attractively and contains a number of interesting digests, along with full length articles, photographs and other features that make the magazine interesting reading.

In the autumn issue there are 31 articles or condensations of articles, ranging from "Determining the Age of Dairy Cattle" to "Winter Protection for Farm Machinery." The farmer's wife isn't overlooked, either, for there is an article in the current issue, giving 21 recipes for the preparation of oysters, another telling how to care for potted plants and another, "Homemade Quick Breads." That will give you an idea of the variety in the magazine.

Another nice thing about the magazine is its size. It measures seven and one-quarter inches by four and three-quarters inches—a handy pocket size.

The magazine is published in January, April, July and October and sells for 35 cents per copy. The better way is to subscribe for it at the \$1 per year rate. It's well worth reading. The magazine's address is 70 East 45th Street, New York.



The GOLDEN Year in Farmpower



A Welsh-born boy entered the Case factory as a machinist apprentice at the age of 16. Six years afterward, in 1892, he helped build a Case tractor—the first gas-engined tractor of record to go out and do actual farm work. Later he went abroad, studied what the Old World had created in large-size internal-combustion engines, returned and designed blast-furnace waste-gas engines used to this day in steel mills. Returning to Case in 1910 he rose steadily to the rank of Vice-President in charge of tractor engineering. Now, on the eve of the company's centennial and the golden anniversary of its first farm tractor, David Pryce Davies is Consulting Engineer for all Case factories.



The American Way is to Keep Frontiers Open



Golden Anniversary
Model "SC"

Centennial Jubilee in 1942

In 1842 another youth, Jerome I. Case, began to furnish American agriculture with grain-saving machines. In 1942 the company he founded will celebrate its centennial with national ceremonies, historical pageantry, and educational exhibits. You are invited to witness these special events of the Case Centennial year. Look for local and regional announcements.

Your chances for rising high in America are greater than D. P. Davies ever had. You enjoy the benefits of native birth and of more formal education than ever was his. You live in an age when science and engineering, agriculture and industry all leap forward. Before your eyes new frontiers unfold far faster than they did for the youth of fifty years ago.

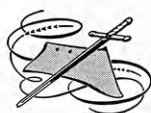
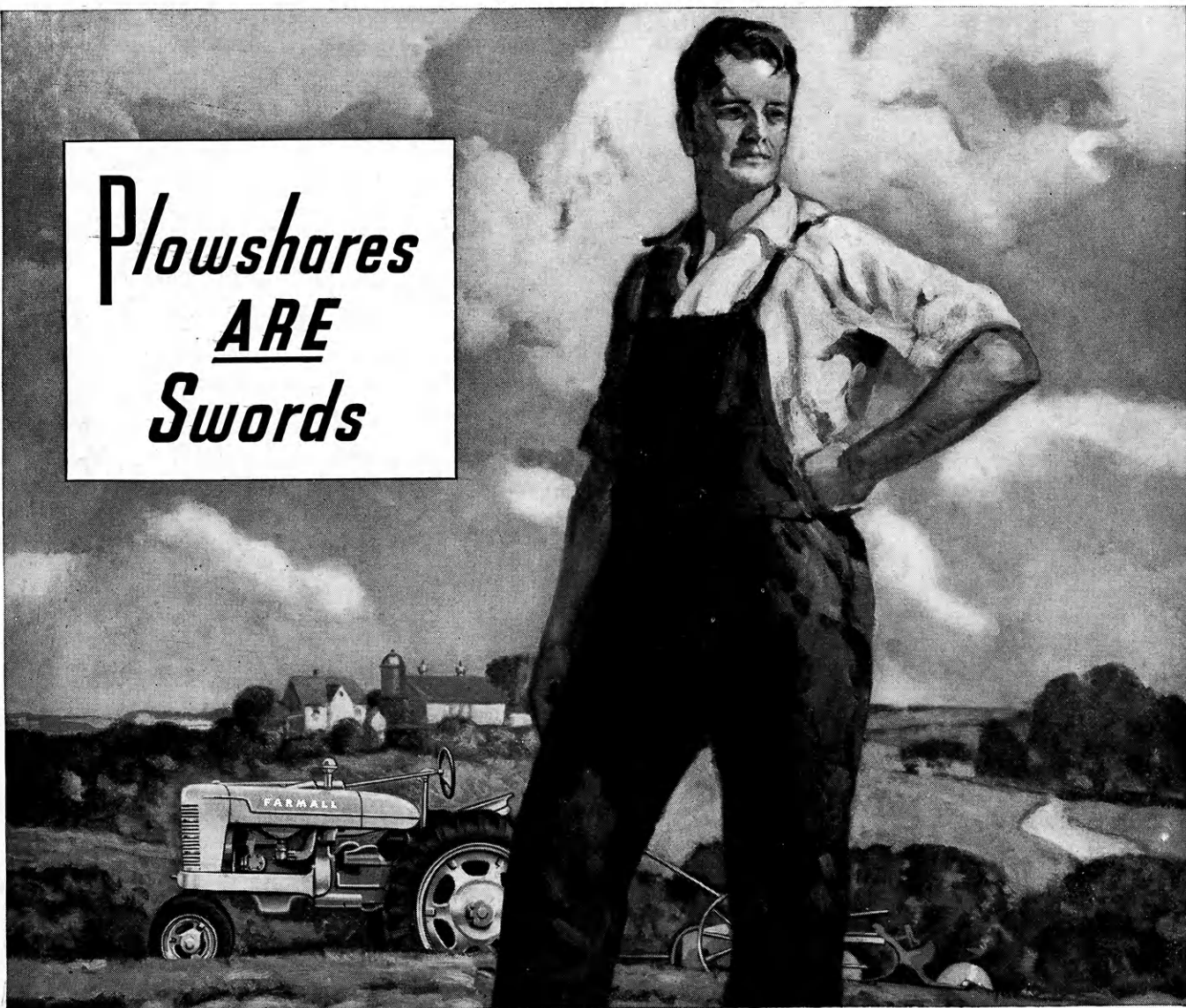
Yet to find your full place in this rich future you need two things that Mr. Davies had. One is the individual will to work with whatever talent and training you have. The other is the full freedom of the American way... the warm welcome that free enterprise gives to a better man, a better method,

a better machine... the system that stimulates men to create ever richer blessings for their fellows, and rewards them according to their creations. By this principle of unlimited opportunity, a single century sufficed to transform a wilderness into the greatest nation on earth, to attain the highest living standards in all the history of mankind.

Today, youth's fight is for freedom of the frontiers. Today, as a century ago, Case is on the side of youth. In farmpower the Case challenge to your choice is based not on having built the first tractor, but on building the latest tractors; not on seniority, but on superiority. J. I. Case Co., Racine, Wis.

CASE

Plowshares ARE Swords



MODERN WAR is a battle for materials. To check the life-giving flow of materials, British warships ring the European continent while German bombers and submarines encircle Britain.

Beyond comparison, the most vital of materials is food. Unlike steel or copper, aluminum or rubber, food has no substitutes. We have it or we do not have it. With it, all things are possible. Without it, tanks and planes can give no security. If the defense of America is to be certain, food for 130,000,000 Americans, and those who stand with us, must come regularly to market.

Today, as always, the production of that food is the task of American farmers. Today, more than ever, American farmers are relying on the farm equipment industry to provide them with the mechanized tools of agriculture. For, while the need for farm products rises, the supply of farm labor constantly dwindles as men

are diverted to the Armed Services and the factories.

This Company and the industry of which it is a part have the factories, the trained employees, the engineering skill, and the distributing organizations to get these vital tools to the farmers of America where they need them and when they need them—*subject only to the allocation of materials.*

Swords are beaten into plowshares when peace follows war. Today, throughout the world, plowshares are beaten into swords... In America, the greatest food-producing country in the world, it is well to consider that **PLOWSHARES ARE SWORDS!**

Fowler McCormick
President

INTERNATIONAL HARVESTER COMPANY, CHICAGO, ILL.

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