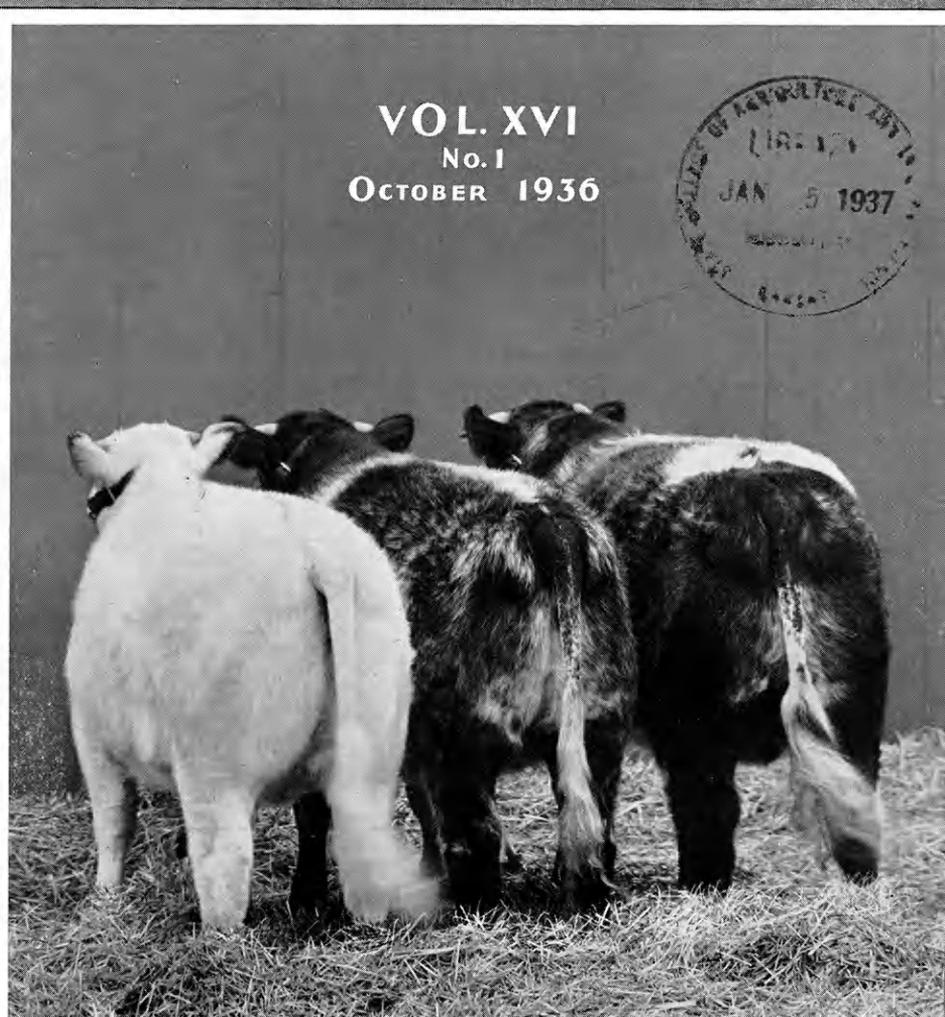


COPY 1



THE KANSAS AGRICULTURAL STUDENT MANHATTAN, KANSAS

VOL. XVI
No. 1
OCTOBER 1936



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The Kansas Agricultural Student

VOL. XVI

Manhattan, Kansas, October, 1936

No. 1



PRINCESSES OF THE 1936 AG BARNWARMER

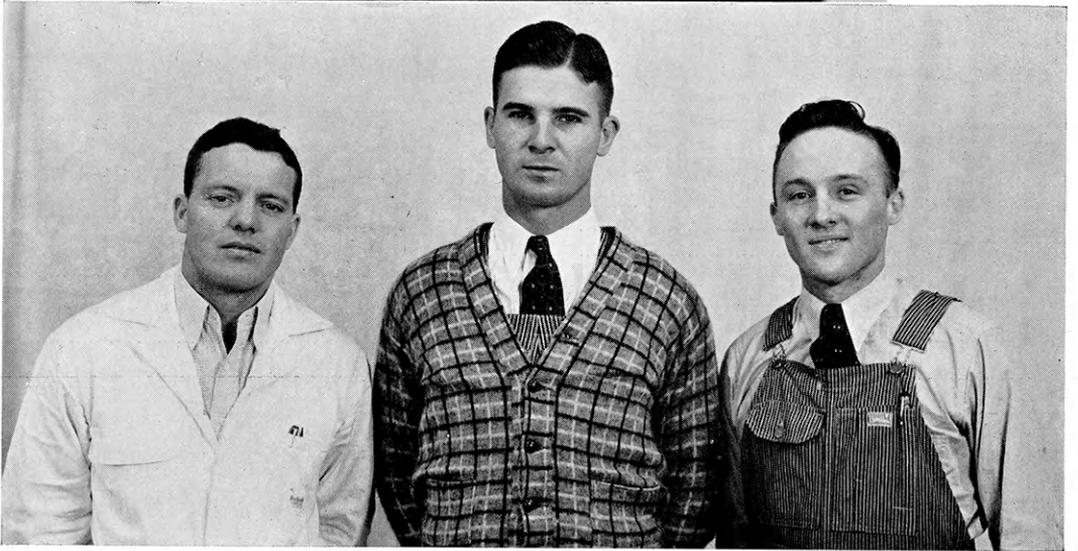
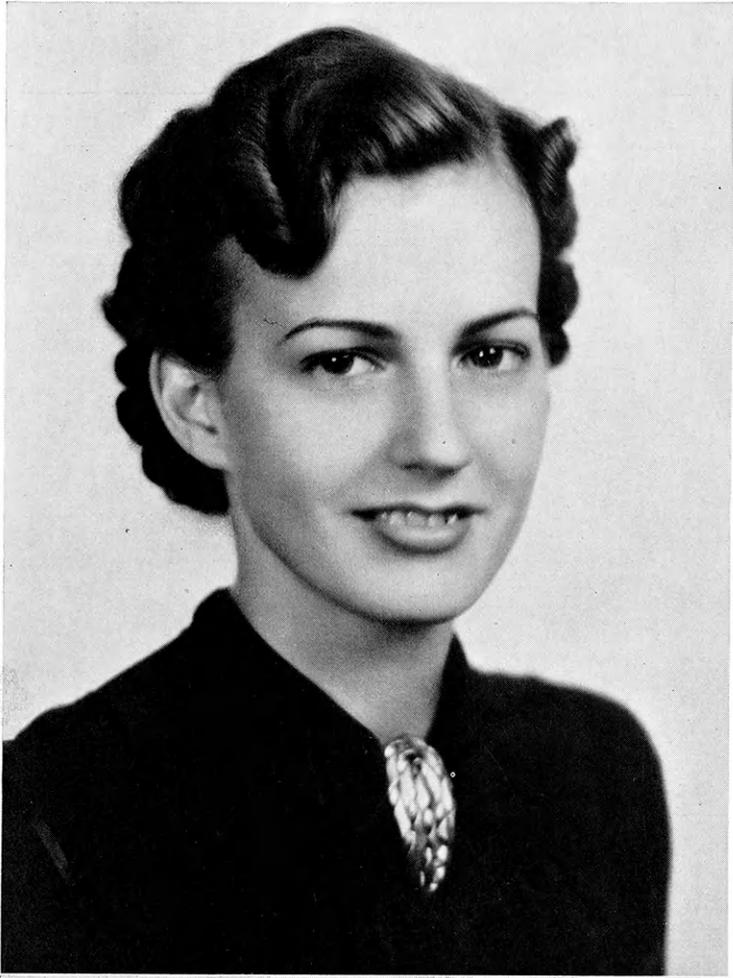
From left to right: Misses Betty Lou Falanders, Marjorie Holman, Gwendolyn Romine, Laura Belle Whiteside, and Frances Wright. Standing before the throne, they have just been decorated with corsages. Immediately after the picture was taken it was announced that the one elected queen was Miss Whiteside, who was escorted to the throne and crowned.

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Tenth Annual Ag Barnwarmer

The tenth annual Ag Barnwarmer was held in Nichols gymnasium Saturday, October 17, 1936. Approximately one thousand students and faculty members of the Division of Agriculture danced to the music of Paul Moorhead and his orchestra.

Dean L. E. Call crowned the queen, Miss Laura Belle Whiteside of Fort Scott. The princesses attending the queen were as follows: Miss Marjorie Holman, Manhattan; Miss Betty Lou Falanders, Chicago, Ill.; Miss Gwendolyn Romine, Abilene; and Miss Frances Wright, Kansas City, Mo.

Some students and faculty members of the other divisions of the college were invited as guests at the party. This practice was begun last year. The student guests were selected by members of their own divisions.

As the party was held in the middle of October and it so happened that there had not been any frost to give the usual brilliant color to leaves, the decorations were primarily of evergreens and Atlas sorghum. With one thousand dancers on the floor the decorations were confined to the throne and the orchestra pit to give all of the possible room for dancing.

Refreshments of cider and doughnuts were served in the gym boxing room, while coats were checked in the "K" room.

Those in charge of the annual Ag party were: Robert T. Latta, Holton, manager; I. Harold Davies, Lebo, assistant manager; Frank W. Jordan, Beloit, treasurer; Lyman C. Calahan, Abilene, chairman of the committee on decorations; Waldo W. Poovey, Oxford, social chairman; and John W. Reynolds, Winfield, chairman of the committee on refreshments.

The pictures of the queen and the managers are to be found on the frontispiece, page 4. From left to right the managers are: Frank W. Jordan, treasurer; Robert T. Latta, manager; I. Harold Davies, assistant manager. The

five princesses are shown on the contents page. This picture was taken just before the queen was named. The throne is in the background.

Some fun must necessarily accompany preparation for this big annual fall function. The last three days of the week are designated by the students of the division as overall or working-clothes days. Any students of the division who fail to attire acceptably are given a dip in a water tank. Most of the pictures on pages 6 and 7 are snapshots taken on overall days. It is impossible to name all the students in the pictures but 30 are indicated by number as follows: (1) The Queen, Miss Laura Belle Whiteside of Fort Scott. The picture is a flashlight taken immediately after she was named queen from the group of princesses shown on the contents page. (2) Robert T. Latta, manager. (3) Frank W. Jordan, treasurer. (4) I. Harold Davies, assistant manager. (5) Lyman C. Calahan, in charge of decorations. (6) John W. Reynolds, chairman of the committee on refreshments. (7) Waldo W. Poovey, chairman of social committee. (8) Fred L. Fair, president of Agricultural Association. (9) Robert H. Calahan. (10) Roy H. Freeland. (11) Clarence L. Bell. (12) Vernal G. L. Roth. (13) Carol E. Coleman. (14) Gus C. Overley. (15) Jesse R. Cooper. (16) C. Earl Hornbuckle. (17) Glenn I. Booth. (18) James C. Strong. (19) Willis R. Wenrich. (20) Willard J. Sainer. (21-24) Four of the six girls of the student body of the division: Mary Jane McComb, Olive E. Schroeder, Edna May Arnold, and Marjorie Higgins, respectively. (25) Dewey Axtell. (26) Glenn A. West. (27) Robert B. Jaccard, varsity cheer leader. (28) Wayne C. Whitney. (29) Marion C. West. (30) Ronald B. King.

During the last three years this fall party has been staged for 50 cents per couple for purchasers of tickets in advance. Considering the quality of the

(Continued on page 26)







PRINCESSES OF THE TENTH ANNUAL AG BARNWARMER

Above—Left to right: Miss Betty Lou Falanders and Miss Gwendolyn Romine. Below—Miss Frances Wright and Miss Marjorie Holman.

By a preliminary ballot five princesses were elected. From these five the queen was elected by a final ballot. The four above were the queen's attendants.

Honor Roll, 1935-'36

HIGH-HONOR ROLL, 1935-'36

For the past college year, 1935-'36, in the Division of Agriculture, 205 students are hereby commended for creditable and satisfactory scholarship. Each of these students carried on regular assignments not less than 12 credit hours of work each semester, had practically no delinquencies throughout the year, and made a total of not less than 48 points on his two assignments, ac-



HERMAN J. REITZ

Mr. Reitz made the highest scholarship average of any freshman in the Division of Agriculture in 1935-'36. In recognition of his achievement the honor Fraternity of Alpha Zeta will award him a medal, the fifteenth annual award of that organization to the high freshman in agriculture. Mr. Reitz made a top bid for this Alpha Zeta prize when he made an A average the first semester. He maintained his lead, though two of the close runners-up, George W. Aicher and John Harris, Jr., made A averages the second semester. Mr. Reitz was valedictorian of his class in the Belle Plaine Rural High School in the spring of 1934.

ording to the K. S. C. point system (1). Those students making not less than a two-point or "B" average for the year are given special commendation as winners of high honors. Both the high-honor and the honor groups are listed below:

	Home P. O.	Credits	Scholarship av.
Seniors			
Leon E. Wenger	Powhattan	33	3.00
Royse P. Murphy	Norton	33	2.91
Edwin C. Sample	Council Grove	28	2.79
Arthur C. Ausherman	Elmont	25	2.72
Lebert R. Shultz	Fall River	28	2.71
Hilton D. Hollebeak	Cimarron	33	2.69
Emory L. Morgan	Ottawa	29	2.69
Howard A. Moreen	Salina	33	2.67
Ned O. Thompson	Manhattan	30	2.63
H. Frederick Dudte	Newton	36	2.61
Elmer B. Winner	Topeka	29	2.59
David W. Gregory	Manhattan	36	2.55
Wilmer R. Smittle	Columbus	30	2.53
David A. Reid	Manhattan	31	2.52
Nathan B. Shapiro	Roxbury, Mass.	37	2.43
J. Edwin McCole	Emporia	33	2.42
Gerald J. Brown	Circleville	34	2.35
Kenneth W. Miller	Maplehill	34	2.35
Dudley E. Young	Manhattan	36	2.31
Elmer C. Betz	Enterprise	33	2.27
Harvey J. Hensley	Osborne	33	2.24
Earl W. Parsons	Manhattan	29	2.24
Charles A. Hageman	White Cloud	33½	2.21
Floyd L. Siegrist	Hutchinson	29	2.21
Glenn O. Brown II	Kansas City, Mo.	35	2.14
Paul H. Nelson	McPherson	29	2.14
Francis M. Hall	Manhattan	25½	2.12
H. Max Nixon	Manhattan	34	2.12
J. Dean Lerew	Portis	36	2.11
Emanuel Zoglin	Kansas City, Mo.	30	2.10
Gilbert A. Guthrie	Walton	32	2.09
Celestine C. Graham	Stockton	35	2.06
John C. Higginbotham	Herington	31	2.06
Charles R. Boggs	Topeka	36	2.00
George W. Gerber	Oneida	32	2.00
Laurence G. Harmon	Hutchinson	29	2.00
Philip W. Ljungdahl	Menlo	35	2.00
Frank J. Santo	Manhattan	32	2.00

Juniors			
Horton M. Laude	Manhattan	33	3.00
Wayne Tjaden	Wichita	35	2.94
Oren J. Reusser	Wellington	33	2.88
Lyle M. Murphy	Manhattan	33	2.79
Earl F. Parsons	Max, Nebr.	32	2.72
Alfred G. Schroeder	Newton	32½	2.71
Roy H. Freeland	Effingham	32	2.69
Clarence L. Bell	McDonald	34	2.61
Homer S. Myers	Salina	30	2.57
Frederick G. Warren	Beverly	27	2.51
Darrell Morey	Manhattan	33	2.45
Robert T. Latta	Holton	34	2.44
Maurice H. Stauffer	Hymers	32	2.44
Fred L. Fair	Alden	33	2.42
Oran F. Burns	Topeka	31	2.32
Arthur E. Schafer	Jewell	31	2.29
Robert F. Sloan	Leavenworth	32	2.28
Harold A. Borgelt	Zenda	38	2.26
Howard V. Cheney	Grainfield	35	2.26
J. William Patton	Hiawatha	32	2.25
William H. Dieterich	Minneola	35	2.23
Lyman C. Calahan	Abilene	36	2.22
Wilton B. Thomas	Clay Center	33	2.21
Clare R. Porter	Stafford	34	2.17
Marion C. West	Blue Mound	25	2.16
M. Maxwell Dickerson	Parsons	34	2.15
Irwin W. Wagner	Cherryvale	35	2.11
D. Dean Dicken	Winfield	32	2.06
Robert M. Jay	Midian	31	2.03
Charles M. Loyd	Valley Center	28	2.03
Harold J. Scanlan	Abilene	31	2.03
Mary Jane McComb	Wichita	31	2.00

1. Passing grades in K. S. C. are, from highest to lowest, A, B, C, and D. Each credit hour of A gives the student three points; each credit hour of B gives the student two points; and each credit hour of C, one point. No student will be graduated unless his total number of points earned at least equals the total number of credit hours required in his curriculum.

Sophomores

J. Donald Andrews	..... Bloom	..... 33	2.91
Rollin C. Parsons	..... Manhattan	..... 31	2.87
Joe A. Weybrey	..... Wamego	..... 35	2.86
Elmore G. Stout	..... Cottonwood Falls	..... 32	2.75
Gilbert L. Terman	..... Columbia City, Ind.	..... 36	2.75
Alvin G. Law	..... Hill City	..... 32	2.72
Wilbur L. Alvey	..... Kansas City, Kan.	..... 33	2.70
Hugh G. Myers	..... Milo	..... 32	2.66
Dewey Axtell	..... Harris	..... 28	2.64
Walter Abmeyer	..... Grantville	..... 32	2.53
Wayne H. Freeman	..... Kirwin	..... 27	2.52
William R. Allen	..... Cummings	..... 32	2.47
Frank G. Bieberly	..... Dodge City	..... 33	2.42
Paul W. Hodler	..... Argonia	..... 36	2.42
A. Eugene Harris	..... Grinnell	..... 32	2.38
H. Allen Nottorf	..... Abilene	..... 32½	2.38
Rodney K. McCammon	..... Esbon	..... 30	2.33
Fred H. Muret	..... Winfield	..... 32	2.31
Jack H. Koster	..... Salina	..... 33	2.24
R. Gordon Wiltse	..... Altoona	..... 33	2.24
Waldo W. Poovey	..... Oxford	..... 33	2.21
F. Louis Brooks, Jr.	..... Scott City	..... 32	2.19
Merton V. Emmert	..... Blue Rapids	..... 32	2.19
Elmer A. Dawdy	..... Washington	..... 29	2.07
Leroy E. Schafer	..... Valley Center	..... 35	2.06
George W. Armstrong	..... Osborn, Ohio	..... 33	2.06
Charles H. Olson	..... Dwight	..... 32	2.00

Freshmen

Herman J. Reitz	..... Belle Plaine	..... 32½	2.97
George W. Aicher	..... Hays	..... 32	2.88
Charles W. Lobenstein	..... Edwardsville	..... 34	2.85
John Harris, Jr.	..... Havensville	..... 32	2.81
Kenyon T. Payne	..... Manhattan	..... 32	2.75
Melvin U. R. Peterson	..... Riley	..... 26	2.73
Earl J. Cook	..... Parker	..... 32	2.69
Arthur F. Leonard	..... Lawrence	..... 32	2.69
Morris W. Phillips	..... Stockton	..... 31	2.58
Clyde D. Mueller	..... Sawyer	..... 31	2.52
John V. Hansen	..... Hiawatha	..... 33	2.39
Clifford C. Isom	..... Toledo, Ohio	..... 34	2.35
Ellwood T. Baker	..... Abilene	..... 33	2.33
Dale E. McCarty	..... Oneida	..... 32	2.25
G. Edwin Jordan	..... Beloit	..... 34	2.24
Willis B. Faulkender	..... Circleville	..... 26	2.23
John A. Shtlar	..... Bayard	..... 32	2.16
Meade C. C. Harris, Jr.	..... Tecumseh	..... 33	2.15
Kenneth E. Kruse	..... Barnes	..... 29	2.14
Robert O. Baber	..... Abilene	..... 33	2.12
Linus H. Burton	..... Belle Plaine	..... 33	2.06
J. Elwyn Topfliff	..... Jewell	..... 31	2.03
Bertel E. Soderblom	..... Delphos	..... 32	2.00

HONOR ROLL, 1935-'36

	Home P. O.	Credit hours passed	Total points
Seniors			
Louis H. Cool	..... Glasco	..... 33	54
Delbert E. Eshbaugh	..... Manhattan	..... 33	57
Elbert L. Eshbaugh	..... Manhattan	..... 33	54
Paul Gilpin	..... Clay Center	..... 32	51
Howard J. Haas	..... La Crosse	..... 31	54
Paul N. Hines	..... Ashland	..... 32	57
Anton S. Horn	..... Horton	..... 34	65
Virgil T. Lake	..... Lake City	..... 32	62
Gilbert G. Lundgren	..... Clyde	..... 35	49
J. Lowell Myler	..... Andover	..... 29	57
Paul A. Neuschwanger	..... Bloomington	..... 30	58
Ival J. Ramsbottom	..... Munden	..... 33	57
John B. Shaffer	..... Meriden	..... 33	51
Marshall R. West	..... Blue Mound	..... 34	67
Howard I. Wildman	..... Manhattan	..... 35	61
Leonard A. Zerull	..... Ellis	..... 36	57
Joe Zitnik	..... Seammon	..... 32	50
Juniors			
Carl H. H. Beyer	..... Manhattan	..... 28	51
Elon B. Boyers	..... Anthony	..... 34	57
Charles F. Bredahl	..... Fairview	..... 34	56
Franklin H. Burr	..... So. Orange, N. J.	..... 33	63
J. Clayton Buster	..... Larned	..... 33	57
Robert H. Calahan	..... Abilene	..... 32	54
E. S. Chicken	..... Buffalo, Mo.	..... 32	48
F. Monroe Coleman	..... Sylvia	..... 33	49
Clarence E. Cook	..... Effingham	..... 33	65
Omer L. Cook	..... Larned	..... 33	55
I. Harold Davies	..... Lebo	..... 31	51

Carl M. Elling	..... Manhattan	..... 34	57
Raymond W. Isle	..... Independence	..... 33	63
Frank W. Jordan	..... Beloit	..... 33	58
James A. McMurtry	..... Clarendon, Tex.	..... 34	52
Burris E. Miles	..... Cunningham	..... 34	53
Irving R. Niles	..... Lebo	..... 34	48
Charles W. Pence	..... Elmont	..... 32	61
Edward W. Pitman	..... Scott City	..... 32	50
Thomas M. Potter	..... Peabody	..... 34	61
A. Lynn Robinson	..... Fenton, Ill.	..... 34	63
Clark B. Stephenson	..... Sedan	..... 26	59
James C. Strong	..... Moran	..... 34	65½
Carrol L. Wahl	..... Wheaton	..... 33	56
Rex E. Watts	..... Havensville	..... 30	52
William O. Wikoff	..... Modoc	..... 33	64
Paul H. Wilson	..... Washington	..... 32	59
George H. Works	..... Humboldt	..... 35	59

Sophomores

Ernest R. Ausherman	..... Elmont	..... 32	50
Dale R. Bathurst	..... Abilene	..... 34	66
Dorman C. Becker	..... Durban	..... 31	49
Leonard W. Bird	..... Hill City	..... 32	62
Verner E. Danielson	..... Lindsborg	..... 33	54
Clifton Dawson	..... Norcatour	..... 32	51
Vernon L. Doran	..... Macksville	..... 32	56
Marshall W. Dutton	..... Harlan	..... 34	54
Roland B. Elling	..... Manhattan	..... 30	49
Kenneth A. Fisher	..... Newton	..... 29	56
Russell H. Gripp	..... Wakefield	..... 32	60
Ralph J. Hathaway	..... Chase	..... 31	52
John H. Hyde	..... Augusta	..... 34	49
J. Elbert Johnson	..... Winfield	..... 32	57
Robert E. Kitch	..... Winfield	..... 36	69
William J. Minor	..... Kansas City	..... 33	48
Francis J. Moore	..... Ashland	..... 33	58
J. Richard Moore	..... Alliance, Ohio	..... 32	63
L. Duane Murphy	..... Sublette	..... 32	62
Robert F. Nuttelman	..... Great Bend	..... 32	56
David Page, Jr.	..... Topeka	..... 33	54
Verlin W. Randall	..... Haddam	..... 35	66
A. Doyle Reed	..... Lawrence	..... 31	54
Clyde C. Reed	..... Kanopolis	..... 34	61
Carl S. Warner	..... Whiting	..... 32	54

Freshmen

W. Dean Abrahams	..... Wayne	..... 33	49½
Joe M. Bonfield	..... Elmo	..... 32	59
Andrew J. Bozarth, Jr.	..... Liberal	..... 32	50
Kenneth M. Farnsworth	..... Topeka	..... 32½	62½
Emmett B. Hannawald	..... Pratt	..... 32	59
James H. Hickert	..... Bird City	..... 32	48
C. Isaac Kern	..... Cedar	..... 31	52
LeRoy L. McAninch	..... Manhattan	..... 32	49
Leroy D. Miller	..... Manhattan	..... 33	54
W. Hugh Moore	..... Munden	..... 32	49
James F. Mugglestone	..... Berkeley, Calif.	..... 31	56
Leonard W. Schruben	..... Dresden	..... 31	54
Harold D. Shull	..... Manhattan	..... 32	50
James M. Thomas	..... Garnett	..... 32	49
Edward B. Zahn	..... Miltonvale	..... 32	51

Kansas Farm Notes

Crop conditions in Kansas are below normal. During the last three months there has been a wide variation in the amount of moisture received in various sections of the state, and naturally the crops vary in condition from one part of the state to another.

Recently Prof. R. I. Throckmorton, head of the Department of Agronomy of Kansas State College, Mr. L. L. Compton of the extension division, and Mr. O. S. Fisher of the United States

(Continued on page 29)

The American Royal

"The American Royal cannot be described in words; you must see it yourself." "This was my first trip to the Royal, but it will not be my last." These reactions express the feelings of Kansas State students who attended the thirty-eighth annual American Royal, October 17 to 24, 1936.

Although rated second among livestock shows of the country, the American Royal is even more than a stock show. It is an institution, established and accepted. There are a number of factors underlying its growth and its contributions to the livestock industry.

Like other shows, the American Royal has been instrumental in advertising and, indirectly, selling improved stock. Constructive breeders have scrapped fanciful ideas to keep in step with consumers' demands. The fruits of their work are reflected in the show yards of today.

The Royal, located on the threshold of the range, has had a very important part in banishing the Texas Longhorns. Ranchers seeing fat stock in the show ring, bought purebred bulls to improve their herds. Today some of the best purebred herds are located in the range country. Three of the four Royal Hereford champions this year were from the range. Uniformity is another quality possible only through the use of improved stock.

Herds that have been in existence many years have usually contributed the most in keeping abreast of modern trends. Crapo Farm of Michigan, oldest Hereford herd, was represented, as was Robert H. Hazlett, Eldorado, known as leading Hereford breeder in the world. In other herds, such as Tomson Brothers, Wakarusa, and Robinwood Farm of Indiana, the second and third generations are now interested in the breeding programs.

The blood of Browndale Count, credited with keeping Shorthorns in step with recent trends, was present in at least six herds. Winnings of the Wy-

oming Hereford Ranch, noted for bull carlots at Denver, predominated the Herefords.

As heretofore, Kansas breeders were strong contenders this fall. A tribute is due them, past and present, for their contributions to the Royal and the livestock industry.

The carlot section is often overlooked. There are classes for carloads of fat cattle, feeders, and creep-fed calves. This year's grand champion fat steers were bred by the man showing the second-prize feeder calves. Incidentally, the grand champion load of feeder steers has come from the herd of Fred Deberard, Kremmling, Colo., for the past five years. In missing the carlots Royal visitors miss the most practical side of the show. There it is seen whether the breeding animals are producing acceptable market animals or not.

The American Royal is primarily a cattle show, but it also has creditable showings of draft horses, mules, 4-H and Smith-Hughes fat stock, sheep, fat hogs, and poultry.

Features for farm women and boys and girls round out the program for the entire family. Outstanding Future Farmers, Future Homemakers, and leading 4-H Club members were honored. Over 475 farm women attended their special part of the week's program.

Educational exhibits from the United States Department of Agriculture, state colleges, National Livestock and Meat Board, and commercial concerns contain new ideas on farming. A sound movie on soil conservation, hog-lot sanitation, and similar topics was one of the best. Control of screw worms, grading of meat, feeding soybeans, and culling chickens were topics of some of the important displays.

The night horse show with its fine harness horses, gaited saddlers, ponies, "rough riders," Jenny Wren's 10-pony

(Continued on page 32)

THE KANSAS AGRICULTURAL STUDENT

KANSAS STATE COLLEGE OF AGRICULTURE
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MANHATTAN, KANSAS

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THE COVER PAGE

The steers shown on the cover page were bred and fitted by the college and exhibited at the 1936 American Royal. In the group are White Star, the first-prize Shorthorn senior calf, champion Shorthorn steer, and grand champion steer over all breeds; Stardale, second-prize senior yearling; and Kansas Star, second-prize junior yearling. These steers were also the first-prize group of three Shorthorn steers.

In the auction sale held at the American Royal, the Safeway stores, Kansas City, Mo., paid 80 cents per pound for White Star. His selling weight was 850 pounds. He dressed 68.53 percent, which is believed to be an all-time record for steers of his age.

White Star represents three generations of college breeding, his dam, Miss Marauder G, being a granddaughter of Pride's Bessie, a heavy milking, beef-type cow purchased by the college about 1916. All three of these steers were sired by Sni-A-Bar Gypsy Star, herd bull at the college.

THE DEPARTMENTAL CLUBS

A fundamental objective of a college education is training for leadership. The student who fails to grasp this idea is aiming low and the value of his college career will be discounted accordingly. The clubs in the departments of the Division of Agriculture are important factors in leadership training. Students with common interests discuss present-day problems in the light of the best information obtained in the classroom and elsewhere. The faculty, especially of the departments concerned, cooperate generously and boost wherever possible, but the leadership is primarily in the hands of the students.

In this issue of The Kansas Agricultural Student are presented some of the leaders—the officers—of each of our departmental student organizations; also a few statements concerning the work of each club. All students are eligible to membership and each should join the club of his choice at an early date in his college career.

Freshmen, 1936-'37

A picture is taken of every student in the Division of Agriculture the first semester he enrolls in the division. Freshman pictures each fall naturally constitute a major portion of the pictures for the college year. In October, 1931, The Kansas Agricultural Student reproduced the freshman pictures of the division and has since continued that policy.

As other pictures become available during a student's college career they are added to the permanent record. Many of these other pictures are taken from the Royal Purple and The Kansas Agricultural Student. This is especially true of members of the graduating class. These pictures give individuality to student records and are useful for many years of the future.

On the following pages are presented the pictures of the 197 college freshmen of the division. About 95 percent of these are first-semester and the others, second-semester freshmen. The names and addresses of these 197 students whose pictures are shown on pages 14 to 21, inclusive, are as follows:

PAGE FOURTEEN

Top Row

GEORGE M. ABRAMSON, New Rochelle, N. Y.
ALDEN A. ACKELS, Kansas City, Mo.

Second Row

FINLEY ACKER, Philadelphia, Pa.
WILLIAM B. ACKLEY, Portis
KIRK E. ADAMS, Oak Mills
LYNN K. BALDWIN, Talmage
EVANS E. BANBURY, Plavna

Third Row

DONALD P. BAUGHMAN, Howard
CHARLES T. BAXTER, Circleville
WILLIAM M. BEEZLEY, Girard
G. CARLETON BENJAMIN, Hutchinson
EDWIN L. BETZ, Enterprise

Fourth Row

JOHN R. BLACKBURN, Alma
JOHN K. BLYTHE, White City
A. WADE BRANT, Sawyer
JAMES C. BROCK, Glasco
LEONARD C. BRYAN, Cullison

Fifth Row

RICHARD M. BULLOCK, Glasco
WALTER J. CAMPBELL, Wilsey
LYLE P. CARMONY, Manhattan
CHARLES O. CARTER, Morrowville
JIM F. CAVANAUGH, Dodge City

PAGE FIFTEEN

Top Row

LAWRENCE V. CHAMBERLIN, Chapman
HOMER L. CLARK, Paxico
JAMES E. CLARK, JR., Effingham
C. EUGENE CLELAND, Eskridge
LEE W. COLLINSWORTH, Rosalia

Second Row

LOUIS W. COOPER, Peabody
HERBERT E. CRITES, Argonia
J. CELESTER CROFTON, Kansas City
DON E. CRUMBAKER, Onaga
RAY E. CUDNEY, Trousdale

Third Row

REX E. CUDNEY, Leoti
JAMES H. CURRY, Stilwell
GEORGE L. CUSICK, Allen
PAUL S. DANIELSON, Lindsborg
JOHN G. DEAN, JR., Baldwin

Fourth Row

ROY A. DeGROFF, Centralia
THOMAS L. DIEHL, Chapman
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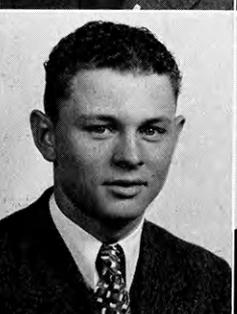
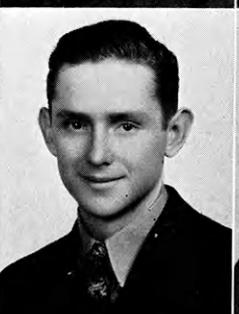
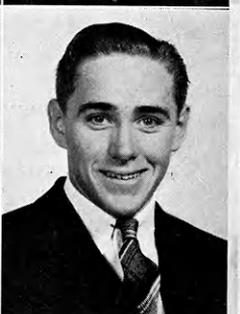
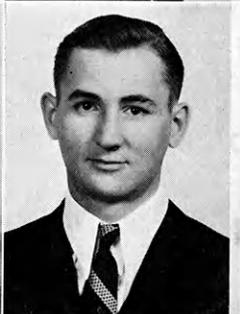
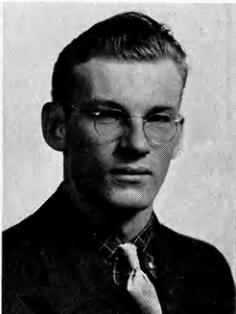
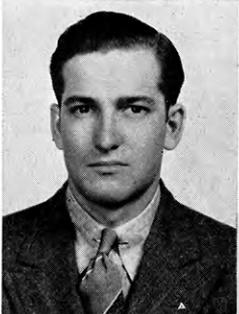
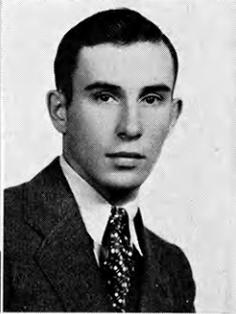
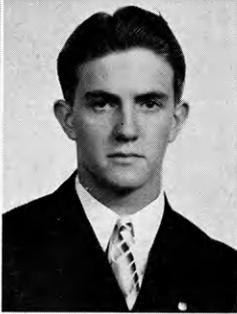
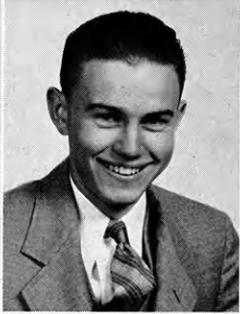
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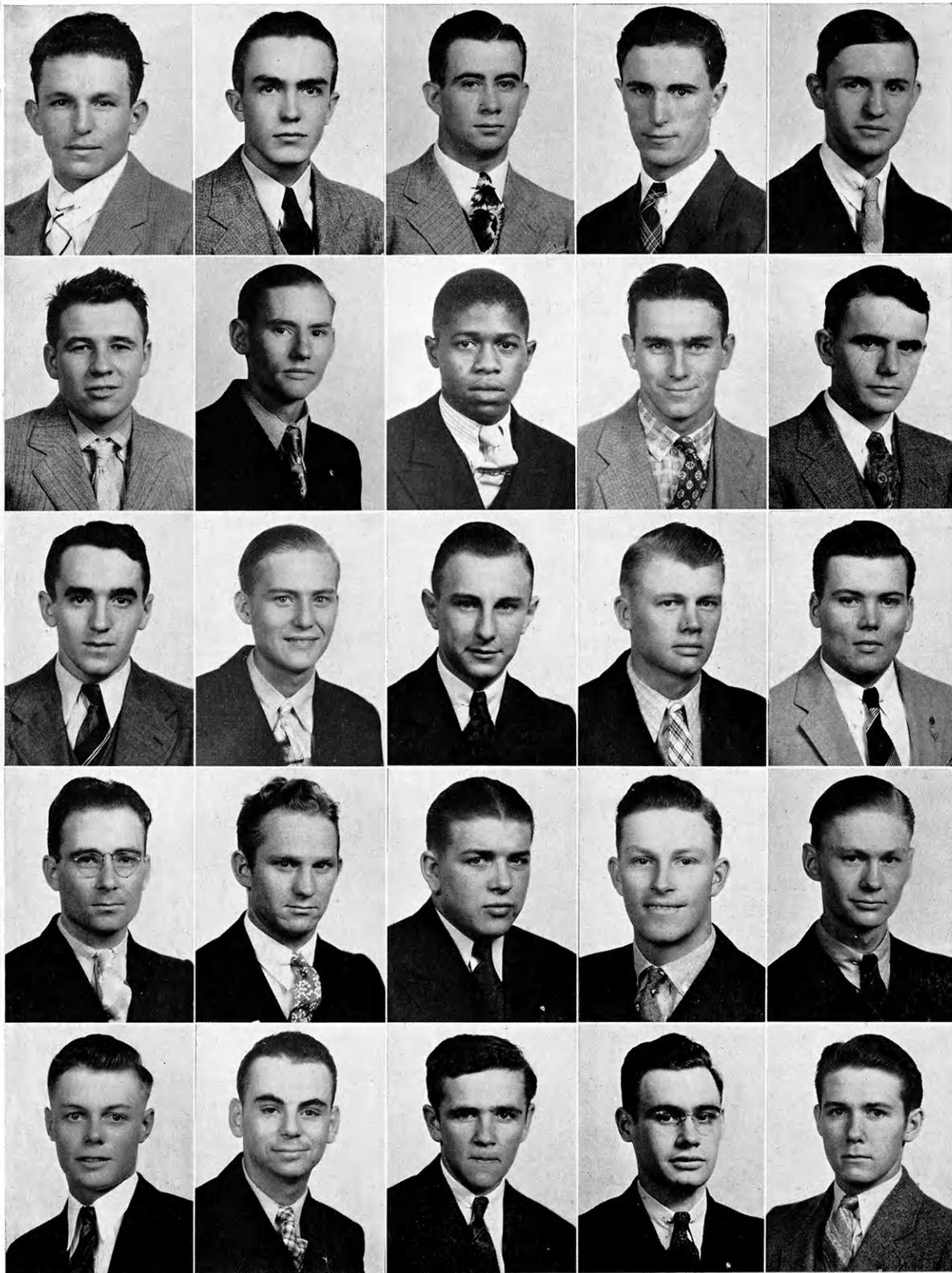
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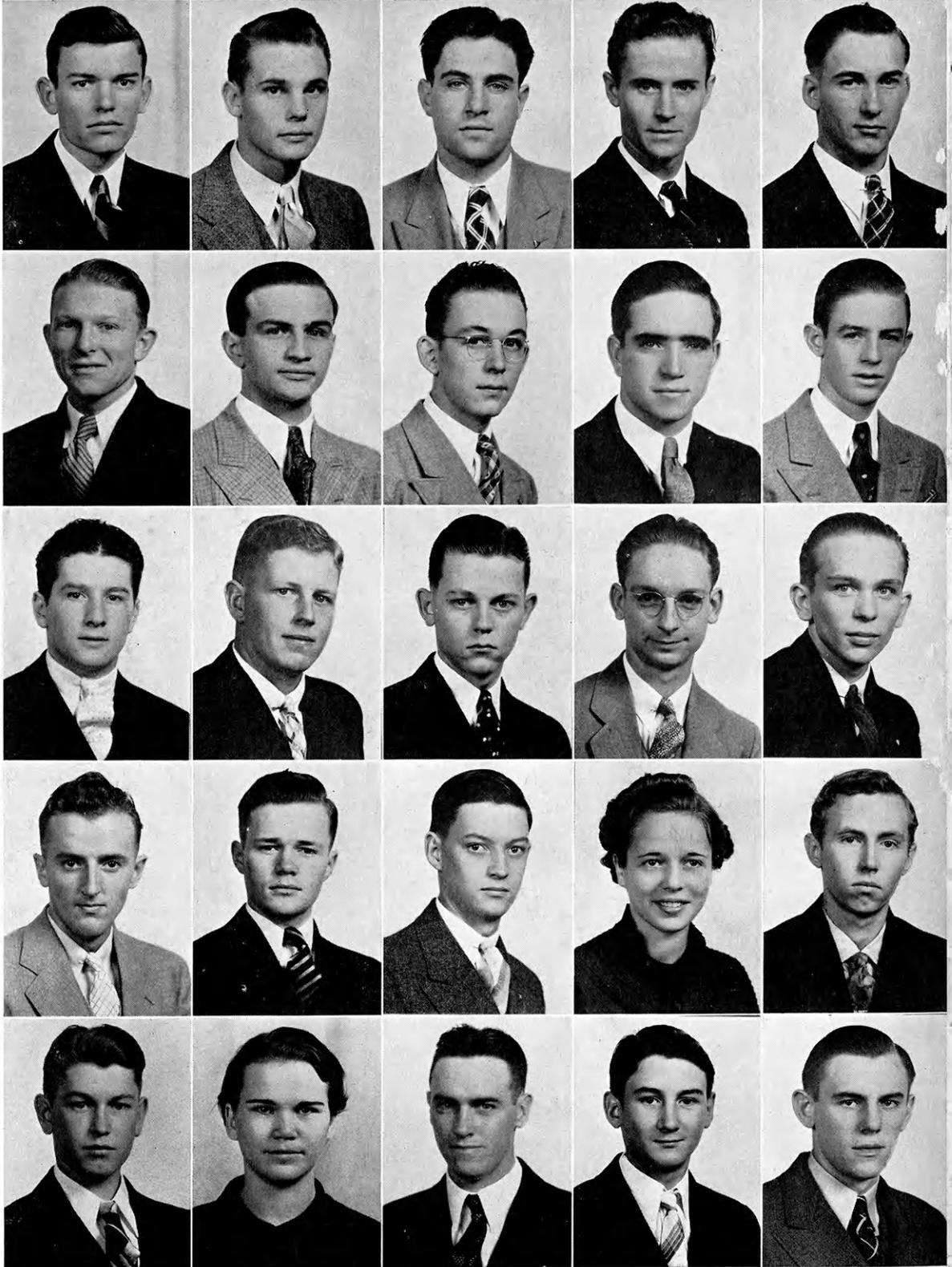
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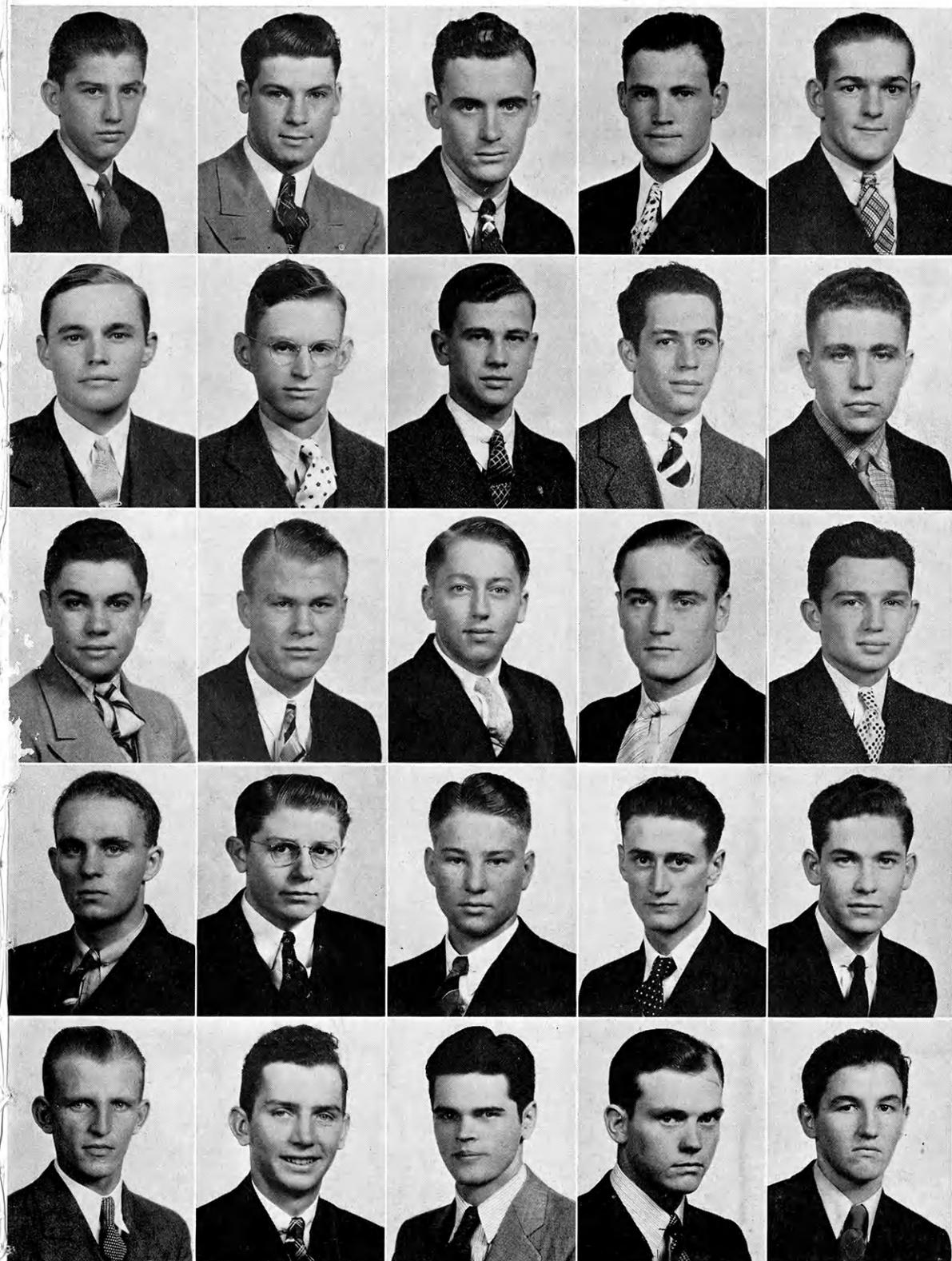
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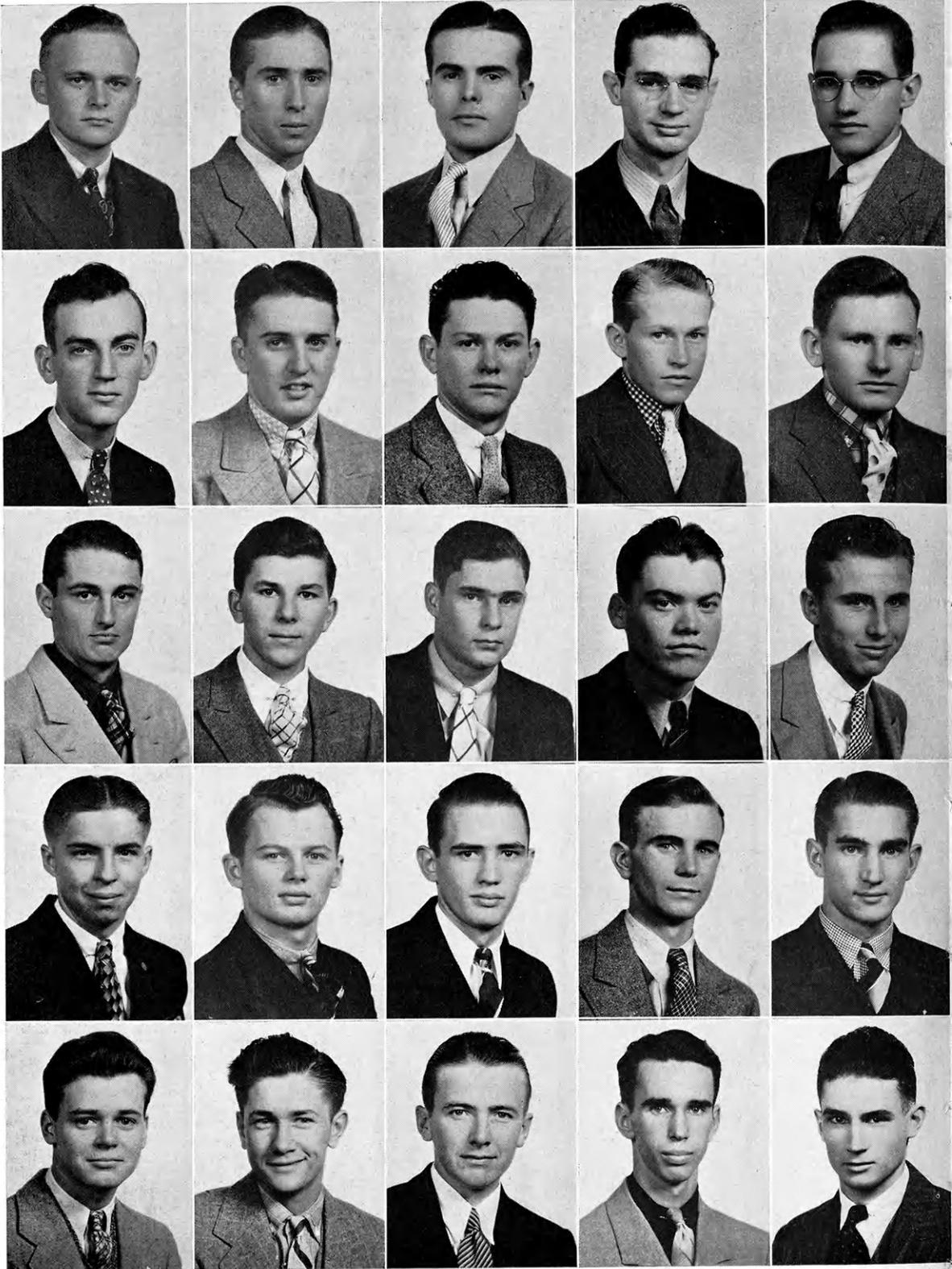
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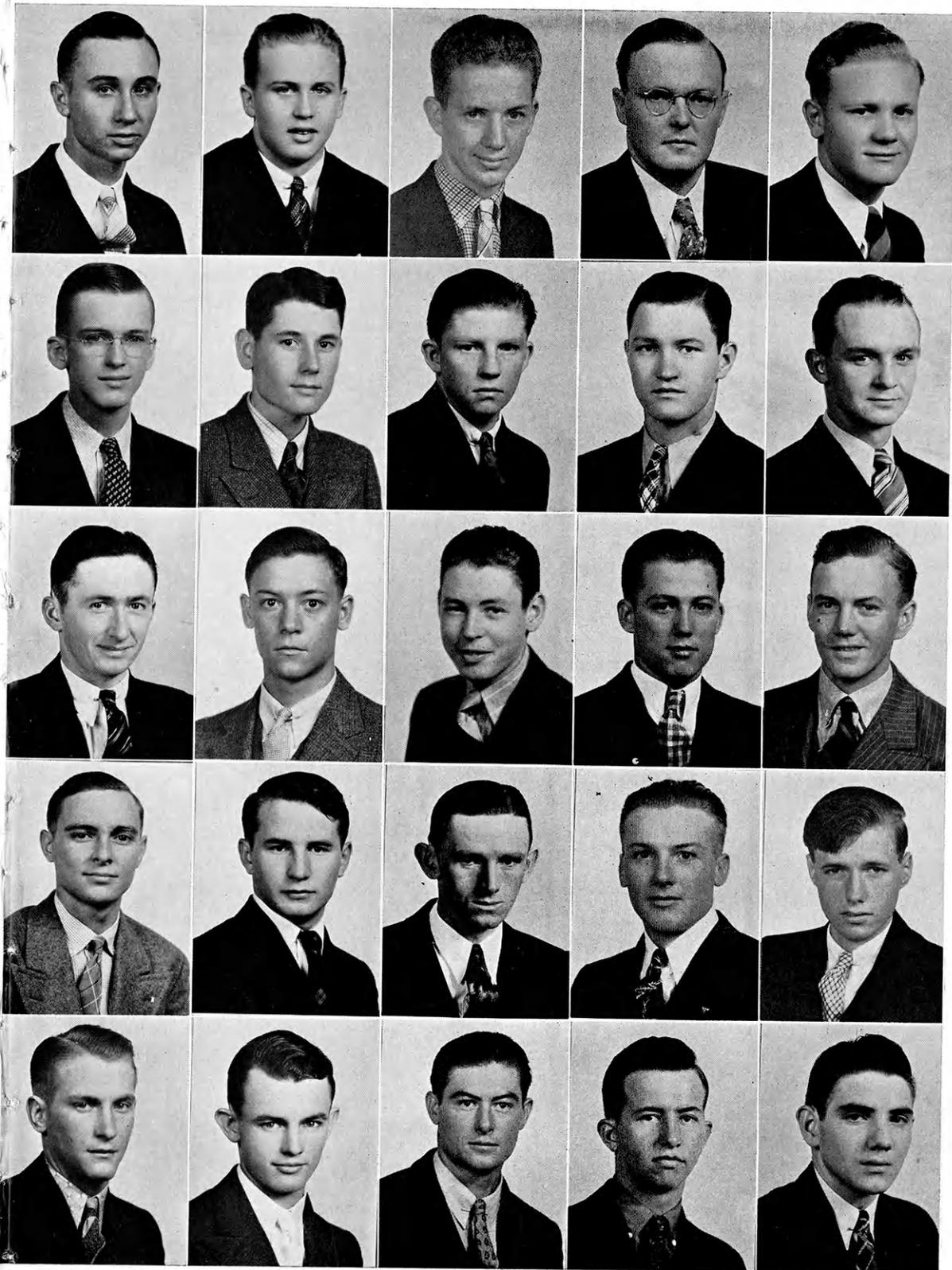


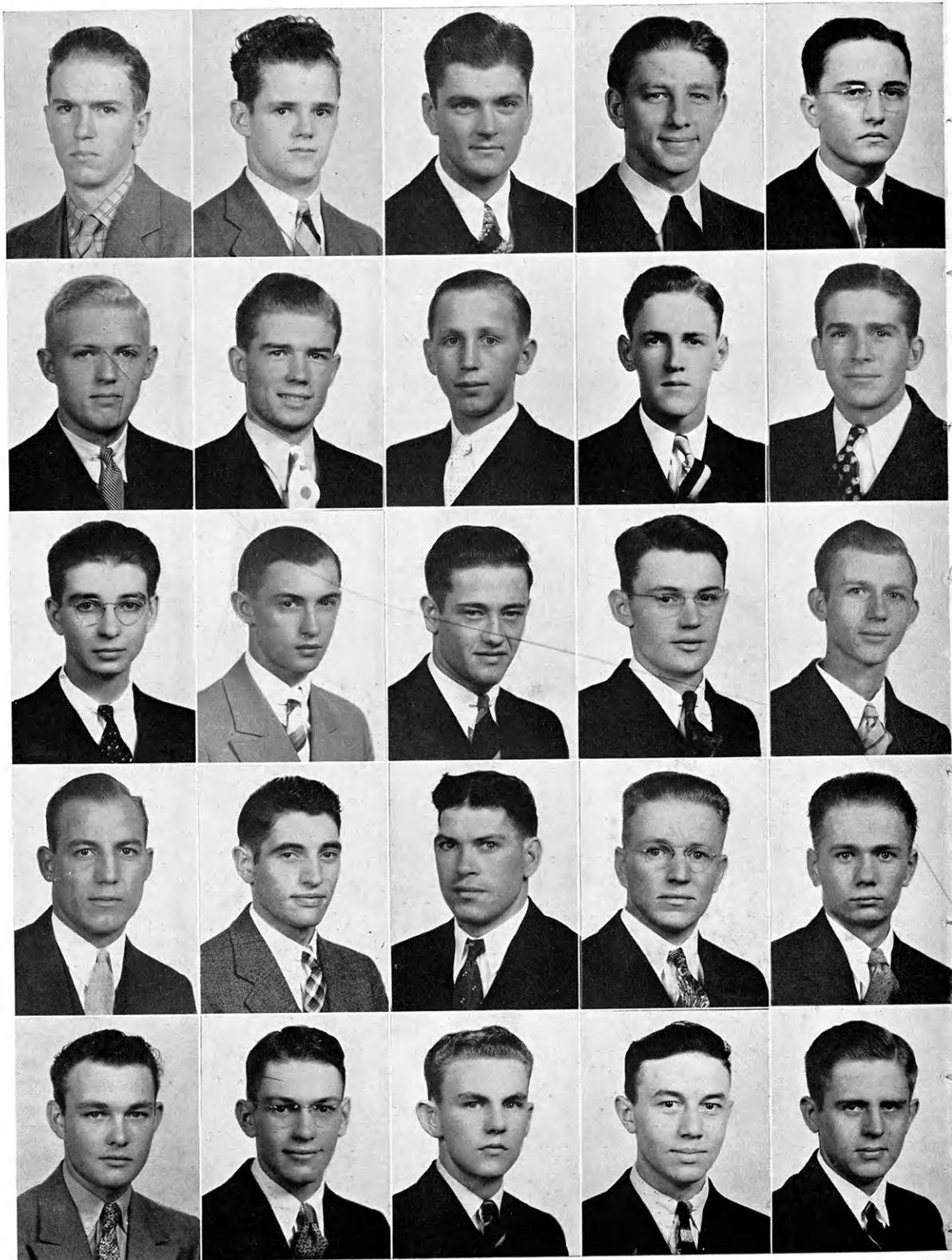




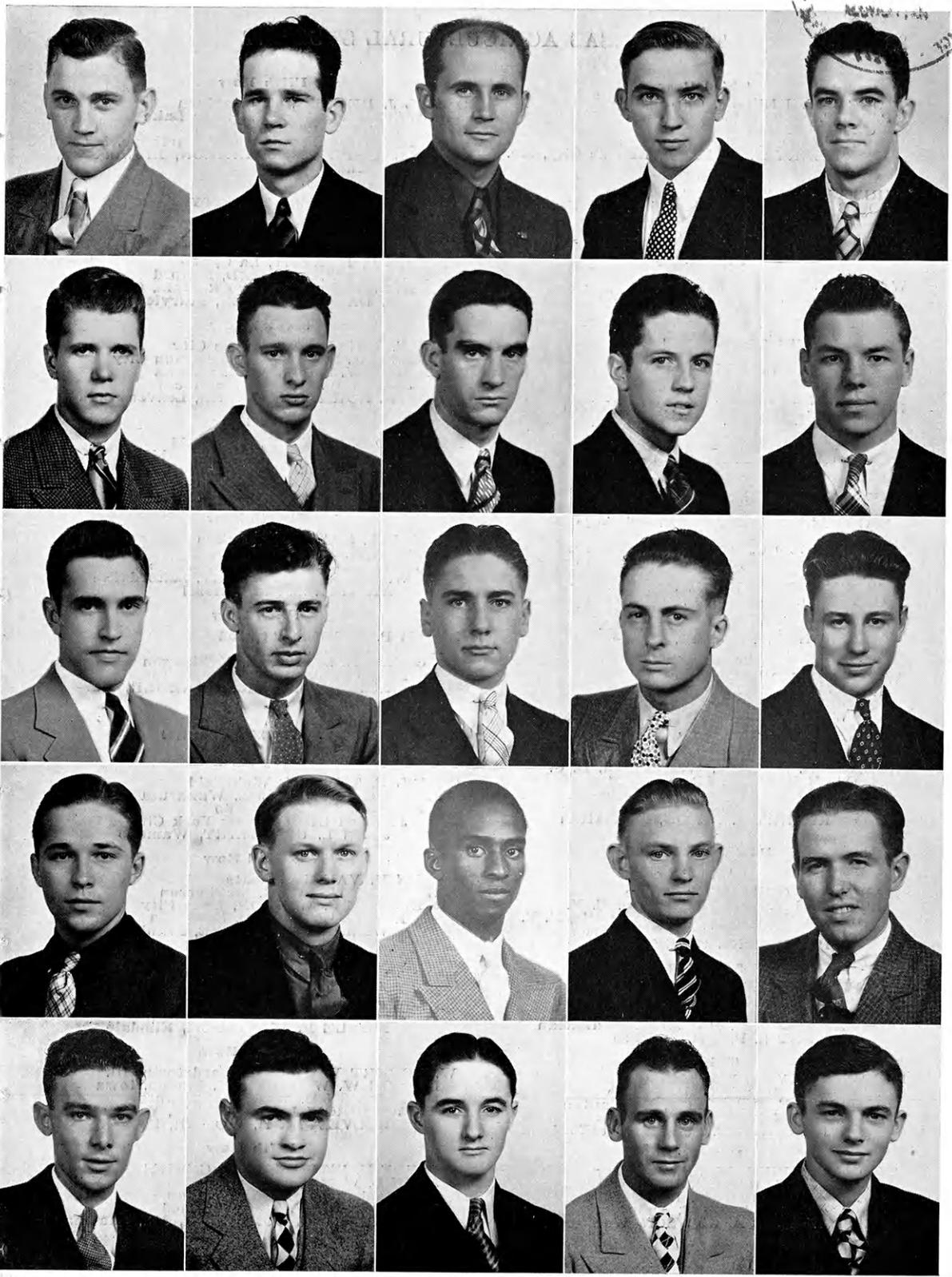








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The Departmental Clubs of the Division

Each of the seven departments of the Division of Agriculture has its club, a student organization directed largely by its advanced students. The following brief statements on the work of these clubs were written by one or more of the officers in each case.—Ed.

THE AGRICULTURAL ECONOMICS CLUB

The Agricultural Economics Club is an organization of the students pursuing the Curriculum in Agricultural Administration, students in the Curriculum in Agriculture majoring in economics, and members of the faculty in the agricultural section of the Department of Economics and Sociology. The club enjoys a large and active membership.

For the purpose of furthering a spirit of good fellowship among the members, the club holds annually a smoker, with lots of cider and doughnuts, and a steak fry which is second to none. The smoker was held this year at the Manhattan Community House. The steak fry, which will probably be held early in May, will be held somewhere in the country.

Regular meetings of the club are held on the second and fourth Tuesdays of each month. Worth-while speakers, some of them from the college and some from out of town, are secured for most of the meetings.

THE BLOCK AND BRIDLE CLUB

The Block and Bridle Club is an organization of students majoring in animal husbandry and those signifying their intention of majoring in animal husbandry. The club aims to promote the interests of animal husbandry in the college and in the state. It sponsors a student livestock judging contest in the spring, the animal husbandry section of the Little American Royal, and other interesting and valuable livestock activities in the Division of Agriculture. Meetings are held the first and third Tuesdays of each month at which

livestock problems of all kinds are discussed, and members of the faculty and outside speakers are secured for addresses on special topics.



OFFICERS OF AGRICULTURAL ECONOMICS CLUB

From left to right: F. Louis Brooks, recording secretary; Oren J. Reusser, vice president; Carl S. Warner, treasurer; Harold A. Borgelt, corresponding secretary; Wilton B. Thomas, president; A. Eugene Harris, chairman of program committee.



OFFICERS OF BLOCK AND BRIDLE CLUB

From left to right: Roy H. Freeland, reporter; Fred L. Fair, president; Carl M. Elling, vice president; Clarence L. Bell, secretary; Thomas M. Potter, treasurer; John R. Dukelow, sergeant-at-arms.



OFFICERS OF DAIRY CLUB

From left to right: Edwin L. Schuetz, vice president; Deane R. Seaton, chairman of program committee; Harold J. Scanlan, secretary-treasurer; Charles W. Beer, president.



OFFICERS OF HORT CLUB

From left to right: Edna May Arnold, chairman of program committee; Melvin U. R. Peterson, president; Olive E. Schroeder, secretary-treasurer; C. William Lobenstein, vice president.

THE DAIRY CLUB

It has always been the aim of the Dairy Club to have pointed and interesting speeches at its meetings. We discuss and develop new ideas that young men interested in the dairy industry should have a part in.

The club is looking forward to and making plans for the Little American Royal, the annual student judging contest, and the vocational agriculture judging contest. In fact, the club aids in every possible way in promoting all activities of the Department of Dairy Husbandry.

The main purpose of the club is to bind together the students of the department into an organized group for the betterment of everyone concerned, and to bring them in closer contact with the faculty of the department and developments within the dairy field.

THE HORT CLUB

It sounds interesting. It is interesting. The Hort Club is an organization of students interested in horticulture. There are no strict requirements for membership except that you bring that "interest in horticulture" to every meeting.

Each meeting is a friendly get-together where members express their ideas and listen to the ideas of others. The programs consist of discussions by members of the faculty and prominent horticulturists and business men. Talks are given on horticulture, architecture, foreign countries, landscaping, and floriculture.

The Hort Club likes to play, too. Don't you? Social functions are parties, hikes, and an occasional unannounced or "surprise" party. The food is always good. Coffee and chili are the club's specialties.

The Hort Club sponsor is Prof. R. J. Barnett and there couldn't be a better one. The club meets the first and third Mondays of the month in H33. If you have an interest in horticulture, why not join?

THE KLOD AND KERNEL KLUB

The Klod and Kernel Klub is an organization of students majoring in agronomy. Undergraduates are active members and graduate students and professors are associate members. The local organization is a member of the Student Section of the American Society of Agronomy.

As the name indicates, the purpose of the organization is to familiarize the members with agronomic work. At the first meeting this year, Pres. F. D. Farrell spoke on the subject, "Two Thousand Year Old Agriculture." This talk covered agriculture in the British Isles. At our annual steak fry held in the early part of October this year, Prof. R. I. Throckmorton explained the possibilities in agronomy in the future. Judd Wolfrum, Kansas representative of the Anaconda Sales Company, showed a motion picture which presented the result of the use of superphosphate fertilizers in eastern Kansas. The programs for the remainder of the year will be of the same interest and value to young agronomists.

The Klod and Kernel Klub established a loan fund last spring for the purpose of loaning money to sophomores majoring in agronomy. This fund consists of money won by the crops judging teams of the past years and will be increased by winnings in the future.

THE MILLING INDUSTRY SEMINAR

This year the jolly millers number 64, more than one tenth of the total students in the Division of Agriculture. Most of the fellows are either chips off the old block or else they have some other connection with the milling industry.

Speakers from the milling industry itself, from other departments in the college, and from the faculty of the Department of Milling Industry are the guests of the millers at their meetings.

Plans for the big spring picnic are already under way. Students and fac-

ulty members both attend this annual affair. The refreshment committee for the first millers' picnic carried the food in one basket. This year they intend to charter a truck.



OFFICERS OF KLOD AND KERNEL KLUB

From left to right: Rodney K. McCammon, sergeant-at-arms; Clarence E. Cook, treasurer; Robert T. Latta, president; Rollin C. Parsons, secretary; Hugh G. Myers, vice president; William R. Allen, reporter.



OFFICERS OF MILLING INDUSTRY SEMINAR

From left to right: Lyle C. Mertz, president; Robert O. Baber, secretary; Joe M. Bonfield, treasurer; Robert J. Anderson, vice president.

THE POULTRY CLUB

The Poultry Club was organized to foster some of the extra-curricular interests of the students majoring in this subject. For a number of years the club members sponsored a baby chick and egg show. More recently they have assisted with poultry judging contests among high school and college students.



OFFICERS OF POULTRY CLUB

From left to right: Marshall R. West, secretary; Mohammed H. Radi, president; Frank J. Santo, treasurer; Leonard B. Kropp, vice president.

The club members meet weekly with the college staff members in the Department of Poultry Husbandry and usually some specific topic is studied during a semester, such as biology of the bird, physiology of egg production, or general nutrition. Special guests occasionally address the club meetings. Social activities usually consist of a fall and spring picnic and an Easter egg roast.

G. A. Rogler, '35, is in the employ of the Soil Conservation Service and is located at the Northern Great Plains Field Station at Mandan, N. Dak. He is in charge of the grass nursery.

AG BARNWARMER

(Continued from page 5)

music, the amount, quality, and cost of refreshments, other expenses must necessarily be very limited at this price. The refreshments this year cost more than \$50 and the orchestra, \$125. The total amount received on advance ticket sales was \$201. It took real cooperation to balance accounts.

It has been the purpose of the managers to secure the attendance of as nearly 100 percent of the division as possible. Last year about 70 percent of the students of the division purchased tickets. The percentage was slightly reduced this year for obvious reasons, ticket holders being approximately two-thirds of the enrollment of the division.

The Future of Dairying

Can the dairy industry stand expansion? This is a question in the minds of two thirds of the people on the 6,300,000 farms in the United States today. More than that it is a question that concerns the welfare of the entire population in this country because when the dairy industry is in a slump so is agriculture and so is the nation as a whole.

The importance of the dairy industry can be illustrated by the fact that all the gold and silver mined in the United States for the last 20 years does not equal the value of dairy products produced in one year. More than one fourth of every dollar spent for food is used for the purchase of dairy products. This seems high, but dietitians are saying, "Use still more milk and dairy products."

At the present time the United States consumes all the dairy products she produces. This includes two fifths of the world's total milk production, one third of the butter, and one sixth of the total world's cheese production.

Can this production be maintained?

(Continued on page 28)

Experiences of the Danforth Fellowship Boys

Last summer 37 young men who had completed their junior year's work in some field of agriculture had a month's trip packed full of experiences they will never forget. I refer to the 1936 Danforth Foundation Fellowship group of which I was a member.

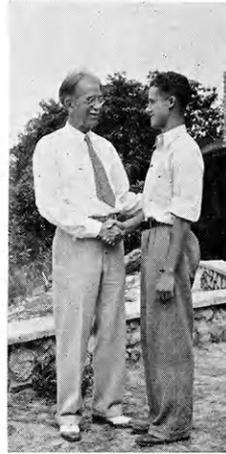
The Danforth Foundation Fellowships were founded eight years ago. One fellowship is offered at each of the colleges of agriculture throughout the country. Selection is made by the college faculties and Mr. William H. Danforth, chairman of the board of the Ralston Purina Company and founder of the fellowships, on the basis of scholarship, leadership, character, and personality. The group this year represented 36 different states with only one man from a state except Texas, which was represented by two. Boys were present from Maine to Texas and from Washington to Florida.

At 8 o'clock on the morning of August 3, this group met for its first session at the Ralston Purina Mills in St. Louis, Mo. After everyone was introduced and a group picture was taken, all got on a bus and were taken to the Purina Experimental Farm about 30 miles out of St. Louis. There we spent the next three days.

The Purina Experimental Farm comprises 320 acres. It is maintained to test the various Purina feeds (spoken of as chows) under actual farm conditions. The farm is divided into three units; namely, poultry, animal fattening, and dairy. Each boy chose the unit which interested him most and spent the first two days working in this unit. Each worked with a farm employee and was thus able to ask questions about the experimental work at any time. Before long every fellow had spent a short time studying each major phase of the work in his chosen unit. Then on the last day at the farm, each boy visited and worked in the two units he had not yet examined. This farm experience not only enabled us to see

how the Purina Mills test their feeds, but also provided an excellent place for all 37 of us to get well acquainted.

The remainder of the first two weeks was spent at the Ralston Purina Mills in St. Louis. We had a regular school there with lectures, inspection tours, notebooks, and all. At first we were conducted through the research laboratories of the mills, and the head of each research department explained his



HORTON M. LAUDE (RIGHT) AND MR. WILLIAM H. DANFORTH, DONOR OF THE DANFORTH FOUNDATION FELLOWSHIPS

Mr. Laude was awarded the Danforth fellowship available to juniors in agriculture in K. S. C. in the summer of 1936. Mr. Danforth's extensive projects for youth improvement make him a public benefactor.

work. In this connection we were taken through the actual mill and saw some of the chows being made. The machinery was explained to us and we got a bird's-eye view of the mill in action. We also were taken through the shipping department and the offices of the various other parts of the company such as advertising, buying, engineering, and others. The executive organization of the business and the relationship existing among all of the departments were explained to us in detail. We had opportunity to hear the executive heads of the business and the heads

of nearly all of the major departments under them. The salesmen in charge of selling certain of the products talked to us. Here I want to emphasize the fact that at no time was any effort made to "sell" us on Purina products. We were free to agree, disagree, or do any way we pleased.

Since our school hours were from eight until five we had a good deal of time to do as we liked. All of us stayed at the Y. M. C. A. hotel and in the evenings our activities varied from staying at the "Y" and visiting to attending the St. Louis Municipal Opera. On one Saturday afternoon we were conducted to points of interest in St. Louis by the Chamber of Commerce. One Sunday afternoon we saw the Cardinals play Cincinnati. Also we spent part of a day visiting the St. Louis market exchange and the St. Louis stockyards.

Friday evening, August 14, we left St. Louis for Camp Miniwanca on the shore of Lake Michigan near Shelby, Mich. We went by way of Chicago and stopped over Saturday and Sunday there. As a group we were allowed to go through the Chicago Board of Trade and the Chicago stockyards. While at the stockyards we were dinner guests of the Saddle and Sirloin Club. We spent Sunday at the Adler Planetarium, Shedd Aquarium, Field Museum, and Chicago Art Institute.

From Monday, August 17, until the end of the Fellowship, August 31, we were in Camp Miniwanca, the American Youth Foundation Camp. Mr. William H. Danforth is president of the American Youth Foundation. There were 323 people at the camp during our stay there. Part of the time at camp was spent in classes and part in sports and recreation. The purpose of the camp is to develop young men equally on the physical, social, religious, and mental sides of life. We thoroughly enjoyed our stay in camp.

In connection with this camp it should be said that the Danforth Fellowship boys are planning, as has been

done by previous groups, to send one outstanding college freshman in agriculture to this two-week camp period next summer. Last summer's fellowship group will pay the camp expenses of this boy. Each of the members of last summer's group will recommend a man from his college. The Danforth Foundation will select the winner from among those recommended. This freshman fellowship is entirely separate from the Danforth Foundation fellowships for juniors in colleges of agriculture.

Last year the Danforth Foundation started a group of fellowships for junior home economics girls similar to those for junior boys in agriculture. Miss Frances Aicher won this new fellowship for junior home economics girls offered here at Kansas State College.

The junior Ag who wins the boys' fellowship next year has a great deal to look forward to. The opportunity to meet and learn to know boys from all over the United States is wonderful. The privilege of knowing Mr. Danforth is to be highly valued. Every student who has ever won a Danforth Foundation Fellowship certainly feels that it fulfills its purpose which is, "To help students make decisions—to enlarge their horizons—to broaden their contacts."—Horton M. Laude, '37.

THE FUTURE OF DAIRYING

(Continued from page 26)

In 1934 dairy cattle decreased 11 per cent and during 1935 there was a further decrease of about 5 per cent. With the human population increasing by about 4,000 a day, it is found that the products of 800 additional cows will be needed each day. With this in mind it is evident that more cows are needed, and that dairying should be expanded in order to maintain production at least.

Now is a good time to start expanding the dairy business. Despite the de-

crease in cattle the herd builder of today will find relatively low-priced cattle. According to trends in prices of dairy animals, one could invest in cows and depend on a 60 percent increase in their value 10 years from now.

Another reason for getting into the dairy business now is the relation of cattle to soil conservation and improvement. This adjustment means an increase in pasture and legume crops. Dairy cattle fit into this program providing soil improvement and at the same time greater farm profits.

However, the dairy industry is not profitable to everyone no matter when the business is started. In this connection it is significant that the average purebred herd in the United States lasts only seven years. The successful dairyman must be a keen practical student, a good business man, and most of all a genuine cattleman.

The high price of feeds is a discouraging factor at the present time. But in spite of all disadvantages this is a much better time to get into the dairy business than it has been for many years. For a farmer who has been in the red the last few years and wants to change color, the dairy situation is worth considering.—Harold J. Scanlan, '37.

KANSAS FARM NOTES

(Continued from page 10)

Department of Agriculture, returned from western Kansas where they conducted a soil moisture survey.

In a report to Dean L. E. Call, Professor Throckmorton says, "With the exception of local areas and summer-fallowed fields, practically all the area lying west of Ellis, Edwards, and Comanche counties has moisture to a depth of only 12 inches or less. On the summer-fallowed fields, the moisture has penetrated to a depth of 36 inches or more in most cases. Wheat seeding has progressed to that point where most of the land which will be seeded has already been drilled, although there are

many areas in the western two tiers of counties which have not been seeded at this time. Most of the wheat in the western three tiers of counties either has not come up or is just emerging. Much wheat has been seeded in wheat stubble, weeds, and in row-crop fields. Less land has been cultivated free of vegetation previous to seeding than is usually the case."

Professor Throckmorton further states that there are approximately 69,000 acres in Wallace, Greeley, Wichita, Scott, Finney, Gray, and Haskell counties, subject to blowing and not seeded. On this area immediate attention and efforts to prohibit soil blowing might prevent serious damages.

In south central Kansas rains were so frequent in the early fall months that farmers could not cultivate their fields enough to kill the excessive growth of volunteer wheat. As a consequence many fields were seeded into a thick stand of volunteer wheat.

Eastern Kansas experienced heavy rainfall during the fall seeding months. Because of the wet conditions of their fields, seeding was delayed by several weeks. No estimate has yet been made on the yield of the 1937 crop, but those who are in a position to observe believe that the wheat crop in Kansas will be somewhat below the normal figure in both acreage and production.—H. A. Borgelt, '38.

V. E. Burnet, '34, is located at Amarillo, Tex., in the employ of the Resettlement Administration.

L. J. Schmutz, '25, is teaching agriculture in the Fort Hays Kansas State College. He is also manager of their farm.

G. A. Simpson, '35, is in the employ of the Soil Conservation Service. He has been studying soil type as related to erosion in Minnesota but has been assigned to continue similar work in Porto Rico the coming winter.

Relation Between Crop Productivity and Land Values

Raymond J. Doll, '35

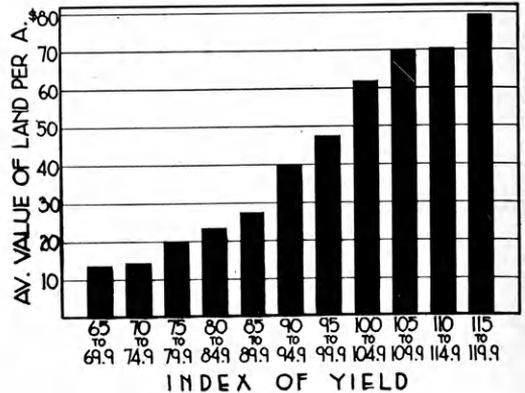
There are several factors which affect the relative value of land over a period of years. A few of the factors which vary directly with the value of land are: Productivity, density of population, location, and the long-time trend of farm commodity prices.¹

Population, location, and farm prices may be the dominating factors in determining land values in some sections of the country, but in the Kansas area where a cash-grain type of farming is most prevalent, crop productivity appears to be a dominating influence in determining the price of land. That portion of Kansas which is situated west of the eastern borders of Marshall, Clay, Dickinson, Marion, Harvey, Sedgwick, and Sumner counties is important for its cash-grain type of farming. In this area crop productivity appears to be especially important in determining the relative value of land over a period of years. The accompanying illustration indicates graphically the relation between crop productivity and average land values in this area from 1910 to 1930, inclusive.² The index of yield by counties was secured from data in the unpublished revision of Bulletin 251 of the Kansas Agricultural Experiment Station.

A frequency distribution of the counties in this area was made on the basis of crop productivity. The average land values (1910 to 1930) for the counties falling in each class or group, were added and an average of these averages was taken for the class.

Probably the reason why crop productivity and average land values correlate so closely on a cash-grain farm

is because of the fact that the chief source of income is from the sale of crops. If a larger yield per acre can be produced on a farm due to higher productiveness of the soil, the value of the land will increase. This relationship does not exist to such a marked extent in areas where only a small percentage of the total land area is in crop land. If the Flint Hills area is included the relation is not so satisfactory. This probably is because much of the crop land in this region is found along creek or river bottoms which gives it a rather



high index of yield. The sale value, however, is based to a large extent upon the value of the rolling pasture land. Such a situation results in a rather high index of yield and a low land value.

The fact that there is a relation between the index of yield and average land values by counties indicates that this relation also appears on individual farms. It is possible by this method for the individual farmer to base the value of his farm on its productivity. The Federal Land Bank places particular emphasis upon this factor in determining the value of the farm. In order to figure an index of yield for the individual farm it is important to have a record of production over a period of years for that farm. This emphasizes the importance of keeping a good farm account book.

1. For a more detailed discussion see Kan. Agr. Expt. Sta. Circ. 156, "Farm Land Values in Kansas."

2. Selling values were obtained from records of bona fide sales of farm real estate reported by county assessors to the State Tax Commission.

Women Students of Agriculture

Ever since the Division of Agriculture was organized in 1910, there have been one to a few girls among its students. Usually during the early years

landscape gardening, floriculture, and journalism. The six girls enrolled in the Division of Agriculture at the present time are pursuing work along these lines.

The work in landscape gardening and floriculture is now included under a curriculum known as a Curriculum in



YOUNG WOMEN ENROLLED IN AGRICULTURE

From left to right: Mary Jane McComb, Wichita; Edna May Arnold, Wichita; Marjorie Higgins, Linn; Frances E. Holman, Leavenworth; Ethel D. Harkness, Ness City; Olive E. Schroeder, Lorraine.

of the division they enrolled for some special work—sometimes in one department, sometimes in another, and only a few were graduated. During recent years the expansion of the work offered in the division has provided several fields somewhat attractive to young ladies. Chief among these are

Specialized Horticulture. One group of students select a group of electives in landscape gardening and another group select electives in floriculture. It may be said further that these groups are flexible and frequently a student elects a major portion in landscape gardening and a minor portion in floriculture,



or vice versa. Both of these fields present opportunities to young women students.

For several years the Division of Agriculture has offered a special major in agricultural journalism for students preparing primarily to be agricultural writers. This is a field of journalism attractive to some young ladies, especially farm-reared and farm-minded young women. More farm girls may be expected to enter this field in the years of the near future.

THE AMERICAN ROYAL

(Continued from page 11)

hitch, Wilson's 6-Clydesdale hitch, and Frazier's 8-mule team was a wonderful spectacle. The crowds were eager and enthusiastic with their applause in trying to single out the winners. The gay costumes of the riders in the hunters' classes injected an English touch to the show.

"Mid-West on Parade" has been one of the titles given this exhibition, but America on Parade would be more appropriate. The Middle West supplied a majority of the 8,000 entries, but exhibits were there from Washington to Connecticut, California to West Virginia, and Michigan to Texas. A full description of the week's program is impossible—"you must see it for yourself."—R. B. Cathcart, '33.

D. J. Martin, '29, is managing a wheat farm near Lewis, Kan.

Morris Evans, '20, in the employ of the Federal Resettlement Administration, has been transferred to Amarillo, Tex.

H. M. Scott, M. S., '27, associate professor of poultry husbandry last year, is working for his doctor's degree in the University of Illinois, Urbana.

R. K. Bonnett, '13, is vice president of the Washburn Wilson Seed Co., Moscow, Idaho. He has made two trips to Europe during recent years to study seed trade conditions.

W. M. Lewis, '35, is managing his father's Polled-Hereford ranch near Larned.

Karl F. Finney, '36, is pursuing graduate work and working part-time on research work in the Department of Milling Industry.

C. E. Murphey, '35, received his master's degree from the University of Missouri in 1936 with a major in animal nutrition. He is now in charge of the meat section of the Department of Animal Husbandry in the A. and M. College of Texas, College Station.

Ned O. Thompson, '36, is county agricultural agent of Stevens county, Hugoton.

L. G. Harmon, '36, is superintendent of the college creamery and instructor in dairy manufacturing in the Texas Technological College, Lubbock.

C. B. Team, '35, is buying and selling mules for the firm long owned and operated by his father—the Wichita Horse and Mule Commission Company.

A. A. Thornbrough, '35, received his master's degree from Harvard last year. This year he is doing part-time work in Harvard and continuing graduate work toward his doctor's degree.

P. H. Hostetler, '34, is teaching in the Department of Dairy Industry in Iowa State College. He received his master's degree from Iowa State last summer.

P. W. Ljungdahl, '36, is county agricultural agent of Seward county, Liberal.

B. R. Taylor, '31, is in charge of cattle investigations in the Agricultural Experiment Station of Oklahoma, Stillwater.

T. L. Jones, '35, is managing his father's ranch near Garden City. He is feeding several thousand lambs this year.

N. R. Nelson, '34, is working on the Kansas Cooperative Elevator Survey. He has a half-time scholarship provided by the Farmers National Grain Corporation. He spends half time in graduate work in K. S. C.