

Alpha Zeta Initiation, Election Set Monday

Thirty-nine new members will be initiated at 7:15 p.m. Monday into the Texas Alpha Zeta Chapter of Alpha Zeta, national agriculture honor society, in the MSC Assembly Room.

Following the initiation, new officers will be elected. Refreshments will be served after the election, said Gene Steed, chancellor of the local chapter.

The initiates, all juniors and seniors, were selected on the basis of grades, activities, leadership and character. To be considered for membership an agriculture student must have a grade point ratio of 2.0 and his extracurricular activities.

A&M has had the honor fraternity since April, 1951. The only other chapter in Texas is at Texas Technological College at Lubbock.

The local chapter has forty active members. Present officers are Steed, chancellor; Bobby Ragsdale, censor; Richard Miller, treasurer; Charlie Sloan, secretary; and Bill Huffman, historian.

Faculty sponsors of the organization are R. C. Potts of the agronomy department; R. E. Leighton, professor of dairy husbandry; and A. C. Magee of the agricultural administration department.

Graduate students to be initiated are Frank S. Wise, Leo Merrill (MS), Paul T. Koshi, W. D. Fisher, E. C. Bashaw, and Cleveland J. Gerard. Gerard is working on his Ph.D.

Undergraduate students to be initiated are Norwin E. Linnartz, William S. Thornton, Samuel I. Johnson Jr., Harry V. Steel, Loren Crockett, Edmund R. Pharis, Edwin M. Hinson, Raymond L. Kenney, Oliver C. Jarvis, William E. Wright, J. W. Tackett, James G. Schneider, A. H. Ringhoffer, William W. Holtzapfel, Charley J. Kammerdiener, Floyd R. Gladden, Michael R. Silman, Robert S. Berger, Harvey Dunnenberg, Jerome L. Ledwig, T. G. Darling, Melton G. Holubec, William C. Andrews, James W. Burns, Roy F. Sullivan, Leonard W. Stasney, Fred H. Mitchell, Roy D. Hickman, Herbert Brewer, James P. Mockford, James L. Blaine, Norbert K. Ohlendorf, and Edsel A. Renden.

Department Sets Student Research

Undergraduate research is little known in most colleges, but a dual experiment is coming to a close in the animal husbandry department.

A practical course in undergraduate research is little tested, but such a course is currently being offered in the school of agriculture.

This course is Animal Husbandry 445. Any undergraduate student may receive from 1 to 4 credit hours depending upon his particular research problem.

A student's grade is determined solely by his interest and the constituents of his thesis.

This course stresses the practicality of animal industry while showing research methods and their results.

Weight-Age Correlation

The animal experiment is being conducted to find a possible connection between the initial weight and age of feedlot bulls and their average daily gain.

This is only one phase of a group of experiments being run on the same bulls by graduate and AH 445 students. Though the feeding period is finished, the data has not been fully analyzed and there-

fore no definite conclusions have been obtained.

Feeding was done at the barns across the railroad tracks on the Caldwell highway under the supervision of Dr. H. O. Kunkel of the Animal Husbandry Department. It was begun in November, 1952, and continued for 144 days.

The sample consisted of nine Hereford and 13 Angus bulls, ranging in age from eight to 16 months at the beginning of the experiment.

Dwarfs Used

Most of the bulls were loaned to the college by Mrs. Louis Ebelinger, Jess B. Alford, The Caprock Angus Farms, and Tommie M. Potts. The balance, including four dwarfs, came from the college herds.

The bulls were fed a mixture of ground hay, silage, corn, oats, cottonseed meal, bone meal, and salt twice daily and allowed to eat as much as they would clean up in about an hour.

After each feeding, the barn was cleaned and washed down with a hose.

The bulls were weighed every twenty-eight days. Care had to be taken not to weigh when they had "fill"—that is, just after they had eaten.

(See RESEARCH, Page 6)

Kream, Kow Klub Sets Annual Feed

The Kream and Kow Klub has scheduled its annual spring barbecue for April 25, said Jerry Mosley, club member.

The exact time has not been set, but it will be after the Spring Dairy Show, that afternoon and before the Cattleman's Ball that night, he said.

As in the past, the dairy department will furnish the meat, he added. The club voted to barbecue the meat themselves this year. Joe A. Hudson Jr. will be in charge of all arrangements.

Dairy Article Shows Milk Not Expensive Food

Milk Not Expensive Food

By EDDIE THOMPSON
Battalion News Staff

Because milk prices have advanced several cents a quart in the past few years, many people are beginning to get the idea that milk is an expensive food.

Before a person draws such a conclusion, he should first examine a few facts.

An article in a recent dairy magazine states that when children consume dairy products in recommended amounts, sufficient calcium and riboflavin are furnished to meet the recommended daily dietary requirements for these nutrients as set up by the National Research Council.

The article further says that one-half of the protein and vitamin A and one-fourth of the thiamine that are required are also furnished by the milk.

It points out that the nutritive essentials for the development and maintenance of strong teeth are found in milk.

The USDA reports calcium is the nutrient most lacking in the American diet and milk is the source of seventy-six percent of the calcium in these diets.

Calcium Cheap

Other figures bring out the fact that even at the retail price of twenty-five cents, a gram of calcium a day obtained from whole milk costs only twenty-two cents.

These figures also point out that the increased use of milk and milk products in 1948, as compared to 1942, was responsible for an eighteen percent increase in riboflavin intake.

It is believed that riboflavin is the vitamin most lacking in American diets, and milk is known to be

an important source of vitamin A and B complex.

It is a basic fact that milk protein is a complete animal protein of the highest qualities, and that today it is probably the most economical source of complete protein.

The following gives the cost of one pound of protein furnished in each of the following foods:

Sirloin steak at \$1 a pound; protein cost, \$6.39; index, 100.

Large Eggs at 75 cents a dozen; protein cost \$4.39; index, 69.

Fluid Milk at 25 cents a quart; protein cost, \$3.26; index, 51; Cheddar Cheese at 60 cents a pound; protein cost, \$2.40; index 38.

Because the composition of milk is eighty-seven per cent water and only thirteen per cent dry weight, some people have the idea milk is expensive because of the large volume of water it contains.

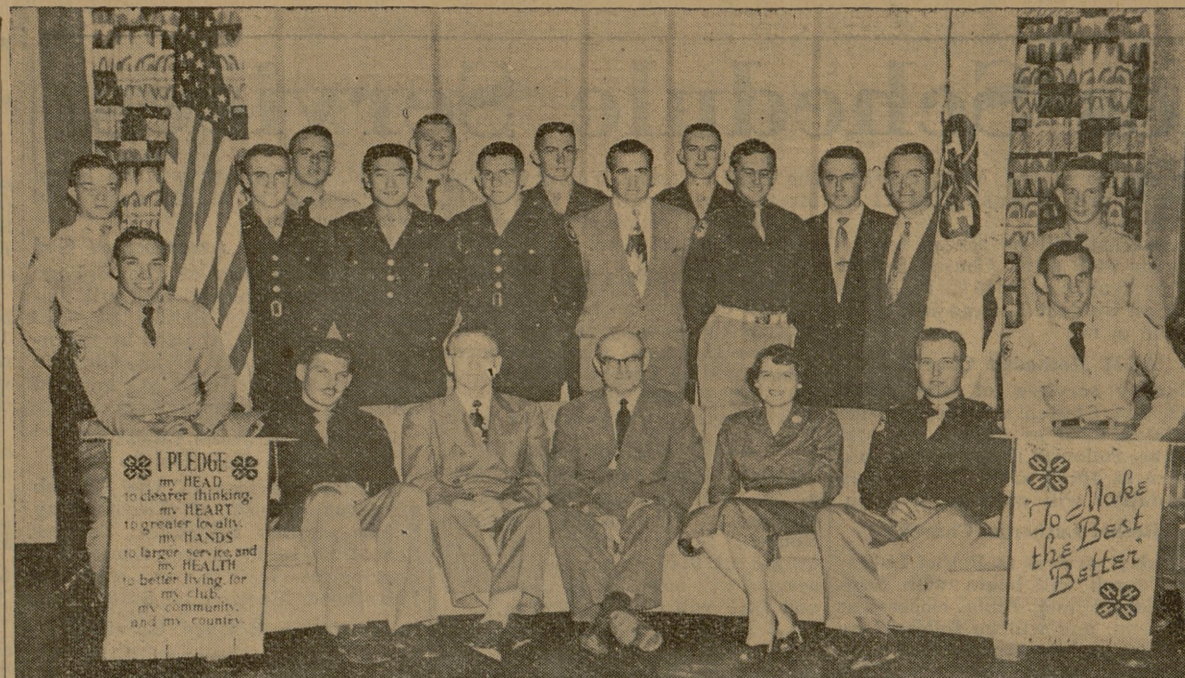
By comparison, sixty-two per cent of beef steak is water and eggs are seventy-five per cent water.

It has been shown through recent surveys that milk is a low cost food delivered to consumers at prices that have gone up considerably less than the average food cost.

New government price index figures, based on pre-war averages, show milk is forty-one points below the average increase in the cost of the family market basket.

After considering the facts that have been presented, it should be a reasonable conclusion that milk is not an expensive food item.

It furnishes many of the food nutrients which are required in the daily diet, and at a price cheaper than the majority of other foods. As compared with other foods, milk prices have gone up very little.



COLLEGIATE 4-H CLUB—Members of A&M's 4-H Collegiate Club are (first row, left to right) Norman Parish, Steve Lilly, Ben Cook, Chancellor of the System Gibb Gilchrist, Miss Mildred Harris, Ralph Westphal, Bill Ballard. Second row includes Page Morgan, Henry Power, Ed Henson, Richard Tachibana, James Renick, Bob Sheppard, Don Dierschke, Frank Pagel, Ed Hill, Sam Johnson, R. S. Higgins.

4-H Club Boasts Largest Rural Youth Organization

By ED STERN JR.
Battalion News Staff

Did you know the national 4-H club is the largest rural youth organization in the world with over 117,000 members in Texas alone?

Although 4-H clubs are designed primarily for boys and girls of grammar and high school age, there is a collegiate 4-H club here on the campus.

Normally, club members carry on some type of demonstration, or project, but since this is impractical with members of the collegiate club, their primary purpose is to keep up contacts with district and county agents. They also are interested in encouraging prospective college students to come to A&M and study agriculture.

The club, organized in 1948, has as some of its activities assisting in the annual 4-H club round-up held each summer here on the campus and assisting in conducting agricultural tours. Members also designed the official 4-H club jacket.

Gilchrist, Honorary Member

On March 7 of this year, several members of the club took part in a program over WBAP-TV, Ft. Worth, in which Chancellor Gibb Gilchrist was made an honorary

member of the Texas 4-H club. Members also took part in a 15 minute broadcast over WTAW in which the work of the collegiate club was explained. Chancellor Gilchrist is also a member of the collegiate club—the only student organization he belongs to.

Three of the club's members were selected for the International Farm Youth Exchange. IFYE sends outstanding 4-H club members to foreign countries where they live and work with local people.

State Sponsors IFYE

The IFYE is sponsored by the USDA in connection with the state agriculture department working through the Agricultural Extension Service. The trip is paid for by businessmen and civic organizations form the 4-H club member's home county.

The IFYE is a two-way proposition. That is, for every American there is some foreign student who comes to the United States.

Steve Lilly, animal husbandry major from Nacogoches went to Turkey and Ed Hill, agricultural education major from Garland, went to Greece. Bill Whitaker, animal husbandry major from Carthage went to England. Whit-

aker, is now attending John Tarleton Agricultural College.

The 4-H club is sponsored by the Agricultural Extension Service, of which G. G. Gibson is director. State 4-H club leaders for boys are Floyd Lynch and A. H. Karcher. Leaders for girls are Misses Erma Wines and Mildred Harris.

Landers, New President

This year's officers are Steve Lilly, president; Ralph Westphal, vice-president; Jackie Landers, secretary; Bill Ballard, treasurer; and Ed Stern, reporter.

Next year's officers will be Jackie Landers, president; Bill Ballard, vice-president; Ed Stern, secretary; Don Dierschke, treasurer; and R. S. Higgins, reporter.

The club's faculty sponsor is Ben Cook, assistant dean of agriculture. Cook is a former 4-H club member and county agent.

Various social activities are held throughout the year. The annual spring party was held last week.

The Battalion Farm and Ranch News

Barley Problem Has Solution

KERT GOODE
Battalion News Staff

Winter forage problem solved.

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College Station. Its outstanding performance was due partly to its disease resistance and partly to its ability to recover from the effects of frost injury.

Heaviest Forage Yields

Goliad produced 1,461 pounds of air dry forage per acre near College Station during the winter of 1949-50.

This can be compared to 645 pounds produced by Texan barley, 1,352 pounds by Fultex oats, 1,153 pounds by Mustang oats and 1,197 pounds by Seabreeze wheat.

Goliad has been developed from a cross between Julica and Peatland made by E. S. McFadden in 1938. It has a taller and stronger straw than the common varieties of barley grown in Texas.

It has an erect, spring-type

growth habit, and when planted early in the fall, makes more fall and early-winter growth than any of the winter-type varieties.

Goliad has demonstrated its ability to "come back" and make new growth after hard freezes killed the top growth back to the ground and proved fatal to more tender varieties.

One hundred and eighty-one acres of registered Goliad barley are being grown in Texas to produce certified seed.

The "Certified Seed Growers" are S. E. Crews Jr., of Karnes City; Elmer Jacob of Goliad; Max Ohlendorf of Lockhart; Richards Farms of Lockhart; William Weide of Edna; Eugene Wrantitzky of Kyle; and Chester Young of Lockhart.

Brahman Fastest Growing US Breed

"The Brahman is the fastest growing breed of cattle in the United States today," said Harry Gayden, secretary of the American Brahman Breeders Association.

Gayden made this statement recently to the Saddle and Siroloin Club. He explained how after a relatively slow start in 1926 the Brahman breed has steadily grown until it is the third largest breed now in the country.

J. D. Hudgins, largest Brahman breeder in the country, made a talk and showed films of operations on his ranch after being introduced by Gayden.

Hudgins explained how the Brahman breed was able to thrive in hot temperature where other cattle could not and why they were becoming so popular here in the south.

New methods of branding, de-horning, loading and shipping were explained in the film taken on the J. D. Hudgins ranch.

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Research Grants Given to Ag Station

Two research grants, totaling \$1,300 for use in studies of cotton insects and weed control, have been received by the Texas Agricultural Experiment Station, said Dr. R. D. Lewis, director.

The American Cyanamid Company, insecticide department, through Dr. F. R. Barron Jr., senior entomologist, has renewed its grant-in-aid of \$1,000 in support of experimental work with formulations containing Thiophos Parathion and related compounds for control of cotton insects.

This work will be conducted by the department of entomology.

Acting through L. G. Smith of the Julius Hyman & Co. division, the Shell Chemical Corp. has renewed a grant of \$300 for research on control of weeds and soil-borne diseases of plants.

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LEGAL HOLIDAY

Tuesday, April 21, 1953 being a Legal Holiday, in observance of San Jacinto Day, the undersigned will observe that date as a Legal Holiday and not be open for business.

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J. Paul Sheedy* Switched to Wildroot Cream-Oil Because He Flunked The Finger-Nail Test

"LISTEN, BIRD-BRAIN, don't get soar, but I cooed never love you," said Sheedy's little chickadee. "Your hair's strictly for the birds! Better remember the tree cardinal rules for social success so you won't be an also-wren. 1. Hop to a toilet goods counter. 2. Peck up a bottle or tube of Wildroot Cream-Oil, America's Favorite Hair Tonic. Contains Lanolin. Non-alcoholic. Grooms the hair. Relieves dryness. Removes goose, ugly dandruff. Helps you pass the Finger-Nail Test. 3. Use it daily and people will love you." Paul got Wildroot Cream-Oil for himself and a diamond wing for his twitcopic. Better buy a bottle or tube today. Or ask for it at your barber's. If you don't you're cookoo!

*of 131 So. Harris Hill Rd., Williamsville, N. Y.
Wildroot Company, Inc., Buffalo 11, N. Y.