

# 'Beef Holsteins' Successful In Ag College Experiment

A University dairy researcher has termed results of an experiment in which Holstein milk cows were handled as if they were beef cattle "encouraging."

Acceptable daily gains and weaning weights of calves which followed Holstein cows on pasture during the summer and fall at the Scottsbluff Experiment Station were reported by Dr. Mogens Plum, in a talk delivered at the annual meeting of the Nebraska State Dairymen's Association.

The experiment in exploring the beef-producing ability of dairy animals when they are handled as beef cattle was undertaken partly because of the desire expressed by beef cattle breeders for better milk production in beef cattle, Plum explained.

"Weaning weight in beef calves is highly dependent upon the milk production of the dam, and the introduction of genes for milk production from one of the dairy breeds into beef lines has been suggested," he noted.

Eight Holsteins due to calve during the spring and sum-

mer of 1963 were selected for the experiment. Two were heifers which had not calved previously; the other cows were veterans of one to four lactations, some having produced 15,000 pounds of milk in 305 days. Calves were born to the group over a period from April 20 to July 6, 1963, and allowed to run with the cows on alfalfa pasture. No grain was given to the cows, as would normally be done to dairy animals kept for milk production.

Some conclusions drawn from the experiment:

—The calves did well and were healthy, apparently not suffering from drinking large quantities of milk. A bull calf in the group posted the record, an estimated daily consumption of better than 50 pounds of milk.

—This calf weighed 601 pounds at 187 days of age and had gained 2.6 pounds per day since birth. Another bull calf equalled this performance in daily gain with a lower recorded milk intake.

—Calves from the two cows that had no previous lactations did not do as well as the calves from the cows

with previous lactation records. Offspring of first-calf cows gained only two pounds per day from birth to weaning.

—The four heifers in the group did not gain as rapidly as the four bull calves. At weaning time, the best two males weighed almost 100 pounds more than the 518-pound average of the entire group.

—Data indicated that weaning should be prior to 261 days of age in order to obtain the highest possible daily gain under conditions of the experiment. All eight calves were weaned January 6, 1964, but varied in age from 184 to 261 days. For the first 183 days, the average daily gain was 2.3 pounds; following that date, and until weaning, the average daily gain was 1.9 pounds per day.

—The calves did not take all the milk available from the cow until two or three months of age, when the cows had already passed their peak of production. Five cows were treated for mastitis, but only one was treated more than once. By the time the calves took all the

milk, tests showed no evidence of mastitis.

In order to make further observations on the effect of nursing on the producing ability of the cows, all eight will be in the milking herd during their next lactation and will be milked regularly, Plum said.

The amount of milk produced and the incidence of mastitis will be evaluated in order to determine any possible deterioration in the milk producing ability after one season of being "beef cows."

The bull calves were converted to steers in the fall, and the steer and heifer calves involved in the experiment were put on full feed. After 32 days, they had gained an average of 3.4 pounds per day, Plum concluded.

I can hear myself think . . .

I'VE BEEN STUDYING SO HARD I CAN'T HEAR MYSELF THINK.



AND I LOVE TO STUDY!

MY WHOLE PURPOSE IN LIFE IS TO LISTEN TO MYSELF THINK, SO MY CARTOONIST WILL HAVE SOMETHING TO DRAW.



I MUST EITHER QUIT STUDYING OR MURDER MY CARTOONIST.



## This Week In The Union— High Schoolers Invade Again

By Bill Harding This is it! The week that all college students dread is again coming to the Nebraska campus. The Annual State High-School Basketball Tournament is here again.

Any reader who has not experienced this mass migration of the multitudes to our campus should be prepared to be: verbally harassed, pushed from sidewalks, and evicted from the most sacred of all student sanctuaries—The Crib.

Besides this, the stomping of feet and shaking of walls that will emit from the Union Ballroom tomorrow, Friday, and Saturday nights will proclaim louder than any poster that the Tournament Dances are once again in progress. Admission is 50c and limited to high-school students.

## Assembly Talks Set To Consider Bigger Population

Seventy persons from nine states have accepted invitations to attend the Great Plains Assembly, a regional American Assembly on "The Population Dilemma" at the Nebraska Center Thursday through Sunday.

Representatives from industry, labor, government, education, agriculture, communications and other pursuits will come from Colorado, Illinois, Iowa, Kansas, Minnesota, Nebraska, North Dakota, South Dakota, and Wyoming.

The meeting is sponsored by the University and the American Assembly, Columbia University.

The American Assembly, founded by Dwight Eisenhower in 1950 when he was president of Columbia University, is a national, non-partisan, educational organization which regularly holds international, national, regional, state and local meetings and publishes books on vital current topics.

But even with the trauma of facing this onslaught from out-state, the Union organization has rallied to the cause of college students and presented a Faculty Recital yesterday at 7 p.m. in the Union Ballroom.

Raymond Still, famed oboist, will be the guest soloist for the Symphonic Band Concert Sunday at 4 p.m.

Also a cartoon exhibit will be placed in the Gallery Lounge of the Union for the rest of the month by the Contemporary Arts Committee.

## Coeds Take Short Vacation From Collecting Pins, Rings

Either cupid or his little helpers, the coeds at the University, are taking a rest, for only six pins and rings were "awarded in recognition of continuous and supreme effort" over the weekend.

### PINNINGS

Ann Capesius, Gamma Phi Beta sophomore in Teachers from Pierce to Al Hansen, Sigma Rho junior at Midland College majoring in Physics from Plattsmouth.

Gia Hemphill, Pi Beta Phi sophomore in Teachers from Alexandria, Va., to Ken Stadler, Sigma Chi junior in Architecture from Minden.

Nelda Keller

Nelda Keller, Delta Gamma sophomore in Teachers from Broken Bow to Vaughn Wiebusch, Kappa Sigma junior in pre-med from Broken Bow.

Judy Maddox, Alpha Delta Pi junior in Teachers from Grand Island to Larry Tomlinson, Kappa Sigma senior in Teachers from O'Neill.

### ENGAGEMENTS

Barbara Babcock, sophomore in Home Economics from Lincoln to Geln Anderson, junior in Engineering from Ord.

Judy Badger, Gamma Phi Beta junior in Teachers from Denver, Colo., to Denny Gold, Sigma Chi junior in pre-dent from Denver, Colo.

## Campus Calendar

TODAY NU MEDS will meet in 235 Student Union. Dr. Frederick Nebe will speak on cardiology. AMATEUR RADIO CLUB will hold a special meeting for election of officers.

PSI CHI, psychology honorary, will hold an open meeting for briefing for Nebraska Symposium on Motivation at 4 p.m. in 218 Social Sciences.

### THURSDAY

HISTORY CLUB will meet at 7:15 p.m. in the Union north party room. Guest speakers will talk on the effect of religion on society. Coffee and doughnuts will be served.

STUDENT COMMITTEE for Sane Nuclear Policy will meet at 4 p.m. in the Union north party room.

### Seven Parts in Model

Any group wishing to become an official University activity must first adopt a constitution. A model constitution would include seven articles: name of group, purposes, membership, officers, organizational structure, advisers, meetings and procedures, finance and amendments.

## Tuition . . . Paper's Ban Raises Seaton Hall Protests

(Con't from Page 2)

will pay the price the colleges set . . .

"Most American families borrow for cars, television, the houses they live in, and many borrow for travel. But apparently they do not feel education is very important in family affairs, because the Department of Agriculture showed these figures in 1956. On the average, families in the United States have \$3,000 of borrowed money in loans, but only \$2.50, or less than 0.1 percent, is for education of members of the family.

This plan to raise tuition to cover the total cost of educating a student should also be a concern of the faculty for Smith says they, be-salaries, are in effect the largest contributors to the subsidies that student enjoy in the below-cost system that prevails today.

Smith does not believe the argument that his plan would put the cost of going to college beyond the reach of many young men and women who are college material but short of funds.

He says, "Over the years, the funds available for scholarships aid have tripled and quadrupled. Today much scholarship money is going. And, according to the Charitable Research Foundation, much of present scholarship aid is going to children who come from homes where the family income is above \$9,000 a year . . .

"The problem of deciding on family need as a basis for scholarship aid is a real tough one. In 1954, the Educational Testing Service started the College Scholarship Service, with 175 institutions subscribing to the service. Today they are struggling to work out a series of questions that will reveal real need."

In concluding, this is how Smith sums up his case: "Only the student and his family can decide whether the cost of an education is worth the price to him; and if it is, how much to pay now from income and from other assets, and how much to borrow and pay back later. Those who care enough about an education would borrow, not only to meet the currently "expected support from family," but the full cost if there are no other way to obtain the very valuable commodity that colleges now insist on offering at a bargain price."

The time for this plan in Nebraska is now, for certainly the legislature should not be expected to increase an already substantial subsidy to students.

South Orange, N.J. (CPS)—The suspension of the SETONIAN, Seton Hall's weekly newspaper, by the administration has served as a touchstone for general discontent with university regulations.

Students are picketing the university for changes in dress and other regulations which they consider unfair while negotiations aimed at restoring the SETONIAN continue.

An eleven-member student committee met with the administration Tuesday, but lit-

### Newman Honors Given

For their outstanding contributions in Newman Club activities, Bob Moe and Florence Stephens were named Mr. and Miss Newmanette at the annual Cardinal Newman Day Award's Brunch. Twelve worker awards were also presented.

Oaths of officership were taken by the following people: Peggy Barnes, president; Larry May, vice president; Florence Stephens, treasurer; Margo Osborn, recording secretary; Marcia Losch, corresponding secretary; and Sandy Strube, alumni secretary.

### Holly To Edit Text

Vice Chancellor Roy Holly, dean of faculty, is serving as editor of a new "Gynecology - Obstetrics Guide" for the medical profession.

The guide represents a new approach to providing basic and new information for the medical profession, according to Holly. Similar services have been provided for per-

the progress was made according to Rocco de Pietro, SETONIAN editor. Another meeting was scheduled for Wednesday.

However, Pietro noted that there is only a slight possibility that the paper will be allowed to resume publication before April 1, when the staff will be reorganized.

Students are standing firmly behind the SETONIAN staff. A plan for appointing two of this year's junior editors to replace Pietro was shouted down by students at a meeting Friday.

According to Petro, the suspension of the paper stems from SETONIAN criticism of university administrative policies, especially women-in-apartment regulations. The paper also was criticized for an article urging the consideration of Nelson Rockefeller for president despite his divorce and remarriage.

It is believed that university officials also took exception to satirical presentations made by the newspaper's columnists and cartoonists on the administration's regulations.

Last October 17, in an editorial deploring censorship in Catholic colleges and in support of student protests, the SETONIAN said, "Their reactions bring to the surface the mounting discontent of students who are tired of administrators hiding behind the word Catholic to protect their conservative views. Too many nuns and priests enforce taboos or false codes of morality where they never belong. The liberal Catholic who has something to say is silenced because he steps on the infallible toe of the Catholic Church."

**CANOE TRIPS**  
Cruise and explore the Quetico Superior wilderness — exciting adventure for everyone — only \$6.50 per person per day! For folder and reservations, write: Bill Rom's Outfitters, Ely 7, Minnesota.

**NEBRASKAN WANT ADS**

**JOBS:**  
Excellent part-time job. Car necessary. Could lead to permanent connection. Call 431-4564 evenings after 9.

A young girl's fancy— turns to Harburt's springtime jumper in comfortable-to-wear stretch poplin checks.

**Galey & Lord**  
1407 BROADWAY, NEW YORK 18, N. Y.  
A Division of Burlington Industries

SHOP MONDAY AND THURSDAY 9:30 A.M. TO 9:00 P.M. OTHER DAYS TO 5:30 P.M.

DAY AFTER DAY  
**Gold's**  
OF NEBRASKA  
HAS MORE OF EVERYTHING

**Lee's Continental Slacks**

CONTRO IV . . . IN POLYPLUS POPLIN

An original approach to Continental styling . . . new contro pockets and curved french fly. Slim, trim, and tailored from top to 14½" bottoms. Automatic wash and wear . . . Dacron® polyester/cotton . . . covert green, sand, or black.

5.95

GOLD'S Men's Store . . . Street Floor

LEESURES BY **LEE**

PLUS S&H GREEN STAMPS