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FRESHMEN !

The Department of Student Activities is seeking qualified applicants for the **Emerging Leaders Seminar - Spring 1988**

This is a non-credit leadership course designed exclusively for freshmen potential leaders.

For more information please stop by the Student Activities Office
Room 208 Pavilion
APPLICATION DEADLINE : MONDAY NOVEMBER 30

Weather Watch

Key:
 ☁ - Lightning ☁ - Fog ⚡ - Thunderstorms
 ● - Rain ** - Snow ☂ - Drizzle
 △ - Ice Pellets ∇ - Rain Shower ❄ - Freezing Rain

Sunset Today: 5:24 p.m. Sunrise Thursday: 7 a.m.

Map Discussion: High pressure in the Pacific northwest will move the Pacific front into the Great Basin, while the southern end of the system slows in response to a low pressure cell in the southwest. The nearly stationary front from Ohio to Texas will produce overcast skies with showers and thunderstorms, some of which should produce locally heavy rainfall from northeast Texas into southern Illinois.

Forecast:
 Today: Overcast and mild with intermittent showers and thunderstorms. There will be a 90 percent chance of rain with a high temperature of 76 degrees and southerly winds of 12 mph, gusting to 20 mph.
 Tonight: Overcast and continued mild with a 60 percent chance of rain. The low temperature will be 63 degrees with south winds at 8 to 12 mph.
 Turkey Day: Mostly cloudy, mild and a 30 percent chance of rain with winds easterly at 10 to 15 mph and a high temperature of 73 degrees.
 Weather Fact: Weather for the Aggie vs. UT game will be mostly cloudy and mild with a threat of lingering showers. Expect 64 degrees at kickoff and 58 degrees by the end of the fourth quarter. These temperatures, combined with the easterly wind of 10 to 15 mph and a chance of showers, may make a light jacket or raincoat advisable for the game.

Prepared by: Charlie Brenton
Staff Meteorologist
A&M Department of Meteorology

AGGIES EAT BEEF
TAMU 17 — T-SIPS 3

Chanello's Wednesday - Sunday
Game Special — GIG 'EM

Ask for your 12th Man Pizza

20" - 12th Man Pizza \$14⁰⁰
12 toppings or less

16" - 12th Man Pizza \$11⁰⁰
12 toppings or less

(No double items or extra cheese)
Offer Good Thru November 29th
No Coupon Necessary

696-0234

Hours Sunday 11am-Midnight
Mon-Wed 11am-1am
Thurs-Sat 11am-2am

A&M researchers try to manipulate ovulation of cattle

By Susan C. Akin
Reporter

If research done in the animal science department is successful, gene manipulation in cattle will be as commonplace as feeding cattle, a professor in the department said.

"We're trying to manipulate genes to manipulate processes critical for the ovulation of cattle," Dr. Paul G. Harms, professor of physiology of reproduction, said.

Complete control of the ovulation of cattle would increase the efficiency and production of cattle, Harms said, which would ultimately benefit the consumer by making cattle less costly to produce and drive down the price of beef.

In 1980, Harms published research findings that recognized important hormonal patterns influencing a cow's ovulation.

The next step, he said, is to control the rate and frequency of ovulation by manipulating these patterns with extra genetic material.

The focus of his research involves the hypothalamus and pituitary glands, which are located in the lower part of the cow's brain.

The hypothalamus controls the pituitary gland with GnRH, gonadotropin-releasing hormone. From there, the pituitary gland controls ovulation with LH, luteinizing hormone, and FSH, follicle-stimulating hormone.

These glands work together to stimulate ovulation. The manipulation of these hormones can result in an increased rate of ovulation and facilitate ovulation in animals that aren't ovulating, he said.

"If we could have all our cows ovulate at a precise time, we could artificially inseminate them successfully," Harms said. "Instead of waiting for the cow to be ready, it is more efficient to have the cow ready when we are."

"We are very close to successful manipulation of these ovulatory hormones. By using extra genetic material, we can manipulate not only ovulation, but also growth rate and animal behavior."

Harms said additional copies of a particular gene, the one that helps control ovulation, for example, can be injected into the cow at the embryo stage. When the cow matures, this extra genetic material increases ovulation, making it occur more frequently and regularly.

"Reproduction is one of the most production-limiting traits," he said. "Fattening a cow is easier than getting it to reproduce."

Texas is the largest cattle-producing state in the country, and the effect of increased cattle reproduction could be beneficial to the economy, Dr. Don Farris, an agricultural economics professor, said.

"In 1986, beef production accounted for 43 percent of the value of all Texas agricultural products," Farris said. "The total market value of Texas beef production was \$4 billion in 1986. It will probably be over \$5 billion next year."

Harms also said A&M's ovulation research is important because of the economic importance of beef in Texas.

"We are not just producing more of a product, but producing it more efficiently to sell it at a cheaper price," Harms said.

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- Or, you contract with a third party for repairs, but rates and qualifications vary widely.
- Or, you can make the repairs yourself, but you'll have to supply your own materials.

With CLASSIC SERVICE, there is no service call charge. No repair charge. No worry. That's why we call it "CLASSIC."

Black parents to request reprimand for racial skit

PLANO (AP) — A high school principal Tuesday publicly apologized for racial overtones in a pep rally skit, but black parents say they want stronger action and will take their request to the school board.

Parents demanded public reprimands of principal Doyle Dean and cheerleader sponsor Carolyn Rodman.

Instead, they got apologies from the superintendent and from Dean, along with the promise to investigate complaints of racism.

The skit at Friday's pep rally at Plano Senior High School featured three students dressed in black trash bags with large red lips. The rally preceded Plano's defeat of Roosevelt High School, which is predominantly black.

Dean on Tuesday held four assemblies to address the school's 2,700 students, saying the incident should not have occurred.

"A skit was presented which was inappropriate because of its racial overtones," Dean said. "I assure you that I have taken steps to ensure that something of this nature will not occur again."

Wayne Hendrick, superintendent of Plano Independent School District, wrote a letter of apology to Roosevelt High School and called for appointment of a task force to investigate any complaints of racism. But he stopped short of reprimanding Dean or Rodman.

"I have an assurance from the (Dean) that this won't happen again," Hendrick said.

Angry parents stormed out of a meeting with Hendrick Monday afternoon, later meeting to condemn the school's response.