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## Semen of wild animals studied

# Artificial insemination explored

A concerned world may one day increase the offspring of endangered species by artificially breeding the animals in their native habitat.

Work which would make possible such an endeavor is being conducted by the Institute of Comparative Medicine, a three-year-old cooperative program of Texas A&M University and Baylor College of Medicine in Houston.

Institute Associate Director Dr. Stephen W. J. Seager and col-

leagues are collecting, freezing and studying semen of captive wild animals, many of which are on the endangered species list. Their efforts already have produced a number of wolf cubs.

Seager's research explores the best methods for artificial insemination while closely examining the semen, some of which has never been seen by human eyes.

Semen is collected by electroejaculation after the animals are

sedated. It is then diluted with egg yolk, lactose and glycerin and frozen in liquid nitrogen at minus 320 degrees Fahrenheit.

Seager envisions the project developing into an international semen bank from which zoos and wildlife parks around the world can draw to enhance their populations of rare animals that are not breeding naturally for one reason or another.

The 39-year-old Irishman, who revolutionized dog breeding in the

early 1970s by becoming the first person to successfully freeze sperm from champion stock, emphasizes that science should not replace Cupid in the natural order of things.

"These are sometimes totally stopgap measures," he said. "let me be very emphatic in this area. I believe the breeding of all animals should be by natural methods. Artificial means of breeding should be applied only where natural methods have failed."

"With total destruction of the natural habitat, many people think the only way these animals are going to survive is in zoos and wild animal parks," he said.

Seager admits this is a false hope, but nurturing these rare animals in captivity may be the only chance they have for survival, he explained.

"This is where we're going to have to know more about breeding wild animals in captivity," Seager added. "So, the first thing we'll try is to learn more about the natural breeding environment that has been taken from them. We're just scratching the surface. We'll then try to establish some sort of national semen bank and then an international one."

"In today's world, zoos have a greater responsibility than just being places to exhibit animals," Seager said.

So far, over 60 mammals, ranging in size from small monkeys to rhinos, have been used in studies. More than half are endangered species list animals. This is one of the two Chinese leopards in the United States.

By studying the animals' production of semen and other variables, Seager and his colleagues, Carrol Platz, David Wildt, Paul Chakraborty and Walter Paup hope not only to enhance reproduction of rare species in captivity, but also to take the operation to the wild where threatened species are able to reproduce naturally.

The Texas A&M-Baylor research also is resulting in some population control methods. Findings are being looked at for ways to curb the rampant over-population of the world.

To obtain a guide for operating rare cheetahs, leopards, tigers, ocelots, Seager and his associates repeatedly turn to the domestic as a miniature model. Studies of domestic cats, for example, have revealed costly errors in collecting priceless white tiger semen.

Although predominantly in the now with larger mammals, Seager said that in the future similar studies will be made using reptiles and birds.

# THE BATTALION CLASSIFIED

### OFFICIAL NOTICE

#### "OFFICIAL NOTICE"

SUBJECT: Filing Deadline Dates for Financial Aid  
TO: All Students, Texas A&M University

The College Scholarship Service Financial Aid Form serves as the financial aid application at this University. To insure that financial aid funds are available at the beginning of the academic periods below, the following deadline dates for filing the Financial Aid Form are announced for your information and appropriate action:

Period	Last Mailing Date for Financial Aid Form	Last Date Financial Need Analysis Reports Will Be Accepted
Summer Session (12 weeks, only)	January 1	January 15
An Academic Year	April 1	April 15
Fall Semester, Only	April 1	April 15
Spring Semester, Only	September 1	September 15

\*The Financial Need Analysis Report is provided to this office by the College Scholarship Service and is based on information contained in the Financial Aid Form. Normal processing time for a Financial Aid Form at College Scholarship Service (including mail time) is about two (2) weeks. Therefore, you should mail your Financial Aid form to College Scholarship Service to allow sufficient time for proper processing and mail time.

Applicants for financial aid from Texas A&M University have to compete for limited funds. Deadlines are established so that all applicants are treated fairly and equally, without last minute haste. Financial Aid Forms submitted after the dates shown above will be processed only if time permits and funds are available.

### OFFICIAL NOTICE

The Liberal Arts Cooperative Education program has scheduled its 1st spring meeting in the Rudder Tower, Room 402, at 7:00 p.m. on the 22nd of February. This meeting is to acquaint interested Liberal Arts students with the Co-op program and to discuss summer and fall placement.

### PERSONALS

Planning 3 day backpack trip through Pecos Canyons during spring break. Would like a partner. If interested call Doug 845-5110.

### SPECIAL NOTICE

#### SPECIAL NOTICE:

LOOK IN TODAY'S BATT FOR FULL DETAILS OF THE MARLON BRANDO WET T-SHIRT CONTEST TO BE HELD AT CHAMPIONS TUESDAY NIGHT. EACH CONTESTANT RECEIVES A PRIZE. FIRST THREE PLACES WIN SOMETHING SPECIAL.

Weight Watchers knows how to make reducing fun! College Station class meets Thursday 5:15 p.m. Lutheran Student Center, 315 North College Main. For free booklet and further information call 822-7303.

### AUTO INSURANCE FOR AGGIES:

Call: George Webb  
Farmers Insurance Group  
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For Battalion Classified  
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### OFFICIAL NOTICE

#### ROOMMATE WANTED

Private bedroom, 2 blocks from campus, February rent free, call after 5:00, 846-0669.

### SERVICES

Service For All Chrysler Corp. Cars  
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### WANTED

Typing 75c page. 846-7577.  
Typing. 846-3491.  
Full time typing. Symbols. Call 823-7723.  
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### FOR RENT

## ... SPRING SPECIAL ...

COLLEGE STATION - 3 bedroom, 1 bath with carpet, some with washers & dryers and fenced yards. Lawns are maintained for you. Rent now and save ... \$255 - \$265 per month.

### THE CRUSE CORPORATION

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### FOR SALE

For Sale: Small desk, twin beds, and chest-of-drawers. Call 846-3144.  
72 Ford 1/2-ton. Loaded, new paint. Call Danny at 693-6167.

Pioneer CT-F6161 cassette deck. Excellent condition. For more information call 845-2356.

1971 Mustang - Air, radio, \$1350. 1975 Honda 400-Four windshield, ssi-bar, carrier, helmet \$875. 693-6112 after 5 p.m.

Pioneer SX-850, PL-112D, HP17-COS, 693-4164.

'77 Honda hatchback \$3000 or best offer. 693-6212.

Collectors: Playboy magazine, 1969-1977; Penthouse, 1973-1977, \$40/cy. 846-7575 after 3 p.m.

'73 Opel Manta Rallye. Must sell \$1000 or best offer. Charles 845-4283.

### PISTOL SALES

New Charter Arms Target Bulldog 4" bbl. adj. sights .357 mag. \$135.  
New colt nickel plate Detective Special .38 s&w. \$145.  
Weaver 4X12 scopes \$76.  
Call Craig evenings 693-3755.

Vasave lady's hiking boots size 7D. Excellent condition. Broken in, but used on only one trip. Very reasonable. 845-2356.

### LOST

Lost a blonde seven week old puppy. Half Irish Setter. Was wearing a dark brown flea collar. Answers to the name of Brandy. Call 693-6073 or 845-4775.

### FOR RENT

Apartment room for rent. \$80 all bills paid! Available starting February 28. Call Ken 693-3560.

Holik Square unfurnished one and two bedroom apartments near campus. Local owner. 693-3770.

Furnished one bedroom apartment. Gas, water, cable, paid. 4104 College Main. \$120. 779-3700.

NEW APARTMENTS. Efficiency \$135/month. One bedroom from \$150/month, two bedroom from \$175/month. All bills paid except electricity. Villa West Apartments, south of Villa Maria. Lorraine Peterson, Manager. 822-7772.

### CHEYENNE APTS.

Brand new attractive apartments. 2 bdrm., 1 bath. All modern appliances. Washer, dryer connections. Central air/heat. About 1 mile from campus. 693-0285.

Attention Students. Two bedroom, furnished or unfurnished apartments. Ready for occupancy. 1-1/2 miles south of campus. Lake for fishing. Washateria on grounds. Country atmosphere. Students Preferred. Call Joe Courtney Inc. 846-5796.

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### HELP WANTED

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IF YOU'RE INTERESTED in the men's and boy's apparel business - Check this position - Guarantee salary with total pay based on total store sales. Opportunity to learn all phases of the business. 20-40 hours per week. Can adjust hours to your schedule. CONTACT Heritage Men's Wear, 117 N. Main, Downtown Bryan. 822-6575.

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Apply in person University Square Mr. Gatti's.

### HELP WANTED:

Make excellent money part time - campus representative needed for easy to sell product - no gimmicks - proven campus winner - we show you how - send name, address, phone no., school, year of graduation along with self-addressed stamped envelope to FP Inc., 136 Lakeshore Dr., Marlboro, Mass. 01752.

### HELP WANTED

#### FULL OR PART TIME

Day Shifts (10-3 p.m.) (11-3 p.m.) (10-5 p.m.) Night Shifts 5 p.m., 2 or 3 nights a week and weekends. Also have full time work. Ideal position for mothers with children in school or students, we will arrange hours to fit your needs.

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### JOB OPPORTUNITIES

### JOB OPPORTUNITIES

## INTERVIEWS TO BE HELD ON CAMPUS AT RUDDER TOWER, STUDENT PLACEMENT OFFICE

9:00 a.m. - 4:00 p.m.  
For the Following Fields:

Feb. 20-Positions in nuclear propulsion field and nuclear propulsion candidate collegiate program.

Feb. 22nd-Interviews for positions in the aviation fields.

For All Students:  
Advisors will be on campus across from the Memorial Student Center in the mobile U.S. Navy Office from 9:00 a.m.-4:00 p.m. 12 Feb.-24 Feb. to answer all your questions and assist you.

## Tax, budget subjects of school district's public meeting

By MICHELLE BURROWES

A series of public meetings will be held in March by the A&M Consolidated School District to discuss taxation and budget matters, Superintendent Fred Hopson said at Monday's school board meeting.

School Tax Assessor-Collector Jewel Ellis and his staff will hold two meetings to discuss rendering property determining market value. Hopson said. The first meeting will be March 9, at 7:30 p.m. in the South Knoll Elementary School cafeteria. The second will be March 23, 7:30 p.m. in the College Hills Elementary School.

Hopson presented "a base budget" for the 1978-79 school year. The new budget is approximately 8.5 percent higher than the one for the current year, an increase Hopson said was caused mainly by salary increases.

Hopson will hold a meeting March 13 to explain the budget. The meeting will be at 7:30 p.m. in the

South Knoll cafeteria.

In other action, the board viewed bids that had been made for two tracts of land owned by the district at Anderson and Hollon Streets. The board made a counter-offer on one of the Wood Associates, a local agricultural firm, bid \$22,500 for the acre tract, if a title policy and survey were included. Hopson estimated the cost of the title and new survey at \$334,393. The board will accept the \$22,500 offer, or \$15,000 per acre after the new survey is made, whichever is higher.

Community Savings & Loan's \$60,100 for the second tract, but because it was the only bid on the tract the board moved not to accept it.

The board began discussing the much-delayed plans for building a new field house, but delayed action until a special meeting next Monday.

## Thesis program open to qualified students

Applications for the 1978-79 University Undergraduate Fellows Program are being taken through April 4, said coordinator Dr. M. Friedman.

Second-semester juniors with at least a 3.5 grade point ratio and who will be seniors next year are eligible to apply.

Students must submit endorsements from their faculty research advisor, department head and dean, along with a research proposal to Friedman at Halbouty Geosciences Building 120 D.

University Undergraduate Fellows are free to substitute six credit hours of 485 courses in their curriculum to pursue research in their field, participate in a community of scholars and to enjoy listening to and discussing the work of their peers, Friedman said.

The product of the year is Senior Honors Thesis in which research is described and documented. The best two or three will be awarded prizes.

More information is available 845-3251.

## Donations aid former Aggie with finances

Texas A&M University students have collected donations totaling over \$500 to help a fellow Aggie pay off mounting hospital bills.

A drive was started last week to help Howard W. Gaddis Jr., of Henderson Camp in San Antonio, pay off a \$36,000 hospital bill resulting from treatment for his infant daughter. Gaddis' child was born

three months prematurely with congenital defect and may be dead.

The TAMU Bridge Club and students in several dorms helped raise money for the fund set up by members of the Alpha Phi Omega service organization. The response to Gaddis' problem was prompted by news stories concerning the plight of the 1976 graduate.

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