

DATE	Stories and Cutlines	(75) Locals	(25) Reg. Dailies	(39) Reg. Weeklies	(16) 50 M's	Reg. Radio	(26) X-List	(15) Adj. Counties	Hometowners	PSA's	Ag list	(16) Ag boxes	MISC. (#)	CONTACT	REMARKS
1-2-27-84	Textbook	✓	✓		✓									B	Bacon = 41
2-2-27-84	Scholarship from Educator Assoc. <sup>4th Real Estate</sup>						✓							Jeri	
3-2-27-84	Scholarship from Joski's													Cliff	
4-2-27-84	Scholarship Recipient - Capron													Cliff	
5-2-27-84	Desamie Street	✓												Dennis/ Preston	
6-2-27-84	Comparative Literature <sup>Symposium</sup>													Cheryl	
7-2-27-84	Donation - Capron													Cliff	
8-2-28-84	SOUTHWESTERN & ROCKY MOUNTAIN DIVISION A.A.	✓	✓											Cliff	Energy List
9-2-28-84	Tennis Tournament	✓	✓		✓									Cliff	special list
10-2-28-84	Deep Portrait - Capron													Cheryl	Ag, Midland, Del Monte News, S.W. AM, Albuquerque
11-2-28-84	The Sky Sweeper's Home - Capron													Cheryl	U.S. Dallas Times Herald Abilene, AM, AM & AM & AM
12-2-28-84	Gene Kloss W/AM (142)	✓	✓		✓									Cheryl	+ Everywhere else
13-2-28-84	Packwood													Preston	
14-2-28-84	Philosophy Colloquium Series	✓												Cheryl	
15-2-28-84	Jefferson Award - Capron													Preston	
16-2-28-84	" " "													"	
17-2-28-84	" " "													"	
18-2-29-84	60 <sup>th</sup> Annual SWARM meeting	✓	✓								✓			Cliff	Ag list (13)
19-2-29-84	Ag Science Hometowners (138)													Preston	<del>13</del>



Feb 22 - March 27 1984

[illegible]



# Texas Tech News

UNIVERSITY NEWS AND PUBLICATIONS/P.O. BOX 4650/TEXAS TECH UNIVERSITY/LUBBOCK, TEXAS 79409/(806) 742-2136

## AFTER HOURS CALL:

Bee Zeeck, Director, (806) 799-8897  
Preston Lewis, Manager, News Bureau, (806) 745-1718  
Christy Bingham, Manager, Broadcast Bureau, (806) 795-1865

CONTACT: B. Zeeck

1-2-27-84

Attention: Garden Editors

LUBBOCK--A new botany textbook for college freshmen, "The Botanical World," written by David K. Northington and Joe R. Goodin of the Texas Tech University faculty, has built-in bonuses for amateur plant enthusiasts.

Its bright color illustrations, detailed drawings and glossary of botanical terms can help amateurs identify plants and better understand more technical information.

Besides, the 646-page text makes good reading. In a chapter on "plants of medicine, culture and industry," for instance, the authors suggest that "a renewed interest in medicinal plants is...a timely and desirable activity while both the plants and the lore about their medical use still exist."

They point to a time when the mandrake root -- which could be imagined to take on human form -- "was a good luck charm, endowing its possessor with good health, social prominence, sexual prowess and great wealth." A kidney-shaped leaf once was thought helpful in treating kidney ailments, and walnuts were believed to benefit the brain and head. Of the Mandragora, the authors said more.

"Biblical scholars think mandrake might have been offered to Christ on the cross to ease his pain. Shakespeare detailed important considerations in collecting the root: it must be accomplished without listening to its death shriek as it is pulled from the ground, lest the collector die of fright from the horror of the sound. Lucrezia Borgia used the mandrake as a poison. Even in the 19th and 20th centuries extracts from Mandragora root have been mixed with morphine to produce a twilight sleep to ease the pain of childbirth."

-more-



Commercially, plants provide oils for cooking, soaps, plastics, paints, linoleum, lubricants and printing inks. Oils come from such plants as tung, olive, palm and coconut trees, from soybeans, castor beans, peanuts, cotton, sunflowers, safflowers, corn and flax.

Guayule, developed as a secondary source for rubber, is expected to be commercially valuable in the future. Another plant with potential as a source for oil is the jojoba. The seeds of this plant yield an oil essentially identical to sperm whale oil in chemical structure.

These specialized observations are only a small part of the extensive text which covers the major topics of plants and nature, form and structure, function and control, evolution and diversity, and plants and society.

Twenty-eight botanical experts from leading colleges and universities reviewed the text before its publication, and as many others read portions and contributed information. About 700 drawings are the work of Yevonn Wilson-Ramsey of Albuquerque, N.M. The book is published by Times Mirror/Mosby College Publishing, St. Louis. It will be available through college bookstores and museums.

Northington, a member of the Texas Tech University Department of Biological Sciences since 1971, is director of the Texas Tech University Center at Junction and curator of the E.L. Reed Herbarium at The Museum of Texas Tech University. His doctoral degree in systematic botany was earned at the University of Texas, Austin.

Goodin, a member of the Texas Tech biological sciences faculty since 1970, is deputy director of the university's International Center for Arid and Semi-Arid Land Studies. He earned the doctoral degree in plant physiology at the University of California, Riverside.

**AFTER HOURS CALL:**

Bee Zeeck, Director, (806) 799-8897

Preston Lewis, Manager, News Bureau, (806) 745-1718

Christy Bingham, Manager, Broadcast Bureau, (806) 795-1865

CONTACT: Terri Lloyd

2-2-27-84

LUBBOCK--Texas Tech University senior Kimberly Kelly, a finance major with an emphasis on real estate, has received a \$250 scholarship from the Real Estate Educator Association.

Kelly is the daughter of Mr. and Mrs. Jerry D. Kelly, 4520 78th St., Lubbock.

The national scholarship, established by real estate text author Bruce Harwood, is awarded to 12 students in real estate each year.

Requirements for the scholarship include full-time enrollment, completion of at least two semesters, a minimum grade point average of 3.2 on a 4.0 scale and the intent to pursue a real estate career.



**AFTER HOURS CALL:**

Bee Zeeck, Director, (806) 799-8897

Preston Lewis, Manager, News Bureau, (806) 745-1718

Christy Bingham, Manager, Broadcast Bureau, (806) 795-1865

CONTACT: Clifford Cain

3-2-27-84

LUBBOCK--Michael G. Pearce, management senior at Texas Tech University, has received an Outstanding Retailing Student Scholarship from Joske's department store of San Antonio.

The scholarship is a \$200 award given each semester to a marketing student in the College of Business Administration.

The criteria for selection include outstanding academic performance in the Area of Marketing's retailing course, overall grade point average and an expressed interest in the field of retailing.

Pearce is the son of Mr. and Mrs. Gordon Pearce, 307 E. Third St., Lefors, Texas.

caption-----

4-2-27-84

SCHOLARSHIP RECIPIENT--Texas Tech University management senior Michael G. Pearce has received the Outstanding Retailing Student Scholarship from Joske's department store of San Antonio.

Participating in the award presentation are, from left, Donald Reese, executive development director, Joske's of San Antonio; Pearce; and Phil Clark, assistant buyer, Joske's of San Antonio.

(TECH PHOTO)



# Texas Tech News

UNIVERSITY NEWS AND PUBLICATIONS/P.O. BOX 4650/TEXAS TECH UNIVERSITY/LUBBOCK, TEXAS 79409/(806) 742-2136

## AFTER HOURS CALL:

Bee Zeeck, Director, (806) 799-8897

Preston Lewis, Manager, News Bureau, (806) 745-1718

Christy Bingham, Manager, Broadcast Bureau, (806) 795-1865

CONTACT: Dennis Ball/Preston Lewis

5-2-27-84

LUBBOCK--By joining the Sesame Street Club, South Plains youngsters can help satisfy Cookie Monster's voracious cravings and at the same time help KTXT-TV continue to bring quality children's programming to the region.

Sesame Street Club is one of the activities Channel 5 will sponsor March 3-18 during Festival '84, KTXT's annual fund-raising campaign.

Children who join the Sesame Street Club will have their names written on cookies to be kept in a cookie jar for the always hungry Cookie Monster. Children's names also will be read on the air during Channel 5's weekday Sesame Street programming. In addition, each club member will receive a special picture of Cookie's good buddies Bert and Ernie.

To join the club, children or their relatives can contribute \$15 or more to Channel 5. Those contributing \$40 or more will be eligible for additional gifts like Sesame Street flashlights, T-shirts or tickets to Sesame Place and Sesame Street Live. All contributions are tax deductible.

Contributions to Festival '84 are used to purchase rights to programming during the year. KTXT's commitment to quality children's programming is reflected in its schedule which includes Sesame Street, The Electric Company and Reading Rainbow for youngsters interested in the alphabet, numbers and reading. Then there is 3-2-1 Contact, Newton's Apple and Spaces which encourage daily interest in science and our world. And finally, Mister Roger's Neighborhood which assists children with personal growth and social development.



Operated through the Division of Continuing Education at Texas Tech University, KTXT-TV is not affiliated with the student-operated FM radio station with the same call letters.

# Texas Tech News

UNIVERSITY NEWS AND PUBLICATIONS/P.O. BOX 4650/TEXAS TECH UNIVERSITY/LUBBOCK, TEXAS 79409/(806) 742-2136

## AFTER HOURS CALL:

Bee Zeeck, Director, (806) 799-8897

Preston Lewis, Manager, News Bureau, (806) 745-1718

Christy Bingham, Manager, Broadcast Bureau, (806) 795-1865

CONTACT: Cheryl Duke

6-2-27-84

LUBBOCK--The 17th annual Comparative Literature Symposium, "Myths and Realities of Contemporary French Theater: Comparative Views," will begin Wednesday (Feb. 29) at Texas Tech University.

Professor Jeanyves Guerin of the University of Paris at Nanterre will speak at the 7:30 p.m. opening session in the University Center Senate Room. His topic will be "Between the Text and the Play: A Crisis of Tradition."

Guerin's interests include contemporary French theater and fiction and European baroque and political literature. He has written numerous articles on 20th century literature, especially on writers such as Audiberti, Ionesco, Camus and Sarte. He earned his master's degree at the Sorbonne and his doctorate at the University of Paris at Nantarre where he has taught since 1971. He was a visiting professor at Texas Tech in 1977.

Guerin and Dr. George Woodyard, Thursday's keynote speaker, will be interviewed at 9 p.m. Thursday on KTXT-TV, Channel 5, by Texas Tech French Professor Alfred Cismaru.

Woodyard, a professor of Spanish at the University of Kansas, will speak at 8:30 a.m. Thursday on the French influences on Latin American theater.

In addition to presentations by other scholars from throughout the nation and Canada, the symposium will include a student production of Eugene Ionesco's play "The Bald Soprano," an English version film presentation of Jean Genet's "The Maids," and exhibits in the Texas Tech Library and Texas Tech Bookstore.



All events are open free to the public except for the Friday luncheon which is \$5.50. Meal tickets must be reserved by Thursday by calling Ann Daghistany, (806) 742-2525.

The symposium is sponsored by the Texas Tech offices of Academic Affairs and Research and Graduate Studies and the departments of Classical and Romance Languages, English, and Germanic and Slavic Languages.

For more information, call Dr. Patricia M. Hopkins, co-director of the symposium at 742-1565.

caption-----

7-2-27-84

DONATION--The Institute for Marketing Studies in the Texas Tech University College of Business Administration has been awarded a \$500 gift from Joske's department store of Dallas to fund a scholarship. Marketing Professor Robert D. Amason, from left, accepts from Jan Daveron, executive personnel director, Joske's, Dallas, the plaque which will list the names of the Joske's of Dallas Scholarship recipients. (TECH PHOTO)



**AFTER HOURS CALL:**

Bee Zeeck, Director, (806) 799-8897

Preston Lewis, Manager, News Bureau, (806) 745-1718

Christy Bingham, Manager, Broadcast Bureau, (806) 795-1865

CONTACT: Clifford Cain

8-2-28-84

LUBBOCK--The development of new tools and technology for deep ocean exploration and drilling will be examined during the 60th annual meeting of the Southwestern and Rocky Mountain Division, American Association for the Advancement of Science, at Texas Tech University March 27-31.

Registration for any session is open to the public.

This project will be one of several discussed during the four-day meeting which also will involve the New Mexico Academy of Science and the Southwestern Comparative Psychology Association. The AAAS Committee on Desert and Arid Zones Research also will meet at the same time.

About 400 of the 15,000 SWARM members are expected to attend the sessions which will address topics of current interest in the physical, natural and social sciences.

The new Ocean Drilling Program, sponsored by Texas A&M University, has been established by the National Science Foundation as the successor to the Deep Sea Drilling Project.

Louis E. Garrison and William J. Merrell of Texas A&M will discuss the program's primary scientific objectives in the study of the origin and evolution of the oceanic crust, the tectonic evolution of continental margins and the origin and evolution of marine sedimentary sequences. The project will conduct studies of long-term changes in the atmosphere, oceans, cryosphere, biosphere and magnetic field and develop new tools and technology for deep ocean exploration and drilling.

A commercial drillship will be used during the project.



# Texas Tech News

UNIVERSITY NEWS AND PUBLICATIONS/P.O. BOX 4650/TEXAS TECH UNIVERSITY/LUBBOCK, TEXAS 79409/(806) 742-2136

## AFTER HOURS CALL:

Bee Zeeck, Director, (806) 799-8897  
Preston Lewis, Manager, News Bureau, (806) 745-1718  
Christy Bingham, Manager, Broadcast Bureau, (806) 795-1865

CONTACT: Clifford Cain

9-2-28-84

LUBBOCK--Former Texas Tech University students Barry Corbin and G.W. Bailey have announced they will be among Hollywood performers participating April 27-29 in Texas Tech's Celebrity Tennis Tournament, benefitting the Texas Tech University Foundation.

Bailey, a director of the former Lubbock Theater Center, is well known for his recurring role of Sgt. Rizzo in the television series "M\*A\*S\*H."

Corbin, a Lamesa native, is a character actor known for roles in the motion picture "War Games" and the TV series "Boone."

Both men were theater arts majors who worked in the University Theatre under theater arts Professor emeritus Ronald E. Schulz. They returned to Texas Tech in 1982 to play the parts of gravediggers in "Hamlet," the last play directed by Schulz before his retirement.

A goal of \$250,000 has been established by the foundation for general scholarships, endowments and other areas of support for Texas Tech.

Weekend activities are being produced by Noval/Bucks Productions Inc. of Los Angeles. Producer Charles Bucks is a longstanding member of the Texas Tech President's Council and a Texas Tech Distinguished Alumnus.

Other stars who have announced they will participate include "Matt Houston" TV star Lee Horsley, "Knots Landing" star Donna Mills, "That's Incredible" star Cathy Lee Crosby, Lloyd Bridges, Barbara McNair, Cornel Wilde, Dallas native Trini Lopez, Steve Kanaly of "Dallas" and Lyle Waggoner.

-more-



Celebrities will play against or be partners with former Texas Tech students, friends of the university and members of the general public who "buy into" the doubles draw at varying donation levels.

Contribution levels include court sponsorships, \$6,000 to \$8,000; Golden Raiders, \$1,500; Silver Raiders, \$1,000; and Super Stars, \$5,000 or more given to the foundation.

Money also will be generated through tournament tickets, dinner show tickets and the sale of souvenir programs. Dinner show tickets are priced at \$12 for the public and \$10 for students. Tournament tickets are \$5 per day for the public, \$3 for students, or \$7.50 for the entire weekend for the public, \$5 for students. Programs are \$3.

Texas Tech's tournament will be the first fund-raising event of its kind on a campus to benefit a university, said Bucks, former executive vice president of Continental Airlines.

Tournament play will begin April 28 at Texas Tech Student Recreation Center tennis courts. That night a Las Vegas-style dinner show, in which the attending celebrities will perform and Horsley will emcee, is planned at the Exhibition Hall at the Lubbock Memorial Civic Center.

Tournament will conclude April 29.

All contributions to the tournament are tax deductible.

A tournament hotline has been established for those wanting to know more about the tournament. The recorded message can be heard 24 hours a day, (806) 742-1333.

Persons wanting to participate or contribute to the tournament should contact Pat D. Taylor, director-special projects, Texas Tech Development Office, (806) 742-2128.

caption-----

10-2-28-84

SELF PORTRAIT--Taos artist Gene Kloss donated this 1951 "Self-Portrait and the Golden Gate" drypoint print and 16 other prints to The Museum of Texas Tech University for an upcoming retrospective exhibition of her art. The Museum has the largest public collection of Kloss' prints. The show is being prepared for fall exhibition. (TECH PHOTO)



caption-----

11-2-28-84

"THE SKY SWEEPER'S HOUSE"--This 1924 etching by Alice Glassier (Gene Kloss) is among prints recently donated to The Museum of Texas Tech University by the Taos artist and printmaker. The Museum has the largest public collection of Kloss' prints and is preparing a major fall exhibition of her work. The new additions, like this print from her pre-Taos days, help fill in some of the gaps for The Museum's representation of her 60-year career. (TECH PHOTO)

# Texas Tech News

UNIVERSITY NEWS AND PUBLICATIONS/P.O. BOX 4650/TEXAS TECH UNIVERSITY/LUBBOCK, TEXAS 79409/(806) 742-2136

## AFTER HOURS CALL:

Bee Zeeck, Director, (806) 799-8897

Preston Lewis, Manager, News Bureau, (806) 745-1718

Christy Bingham, Manager, Broadcast Bureau, (806) 795-1865

CONTACT: Cheryl Duke

12-2-28-84

Attention: Art Editors

LUBBOCK--Taos artist Gene Kloss, among the most accomplished masters of aquatint among 20th century American printmakers, will be featured in a retrospective show beginning in September at The Museum of Texas Tech University.

The Museum has the largest public collection of Kloss' prints. They total more than 75 and include works from the 1920s through the 1980s, showing her use of aquatint, etching, drypoint and mixed media.

Dr. Steve Bradley, art curator for The Museum of Texas Tech, recently visited the artist in preparation for the planned exhibit. Kloss donated an additional 17 prints to The Museum to fill in gaps in the collection, Bradley said.

"She gave us some of her early 1920s California prints and her 1951 self-portrait before the Golden Gate bridge," Bradley said. "Others were prints from scattered years which we did not represent in the collection."

Bradley said the self-portrait was used for Kloss' entry or election piece for the National Academy of Design. She was elected to the academy as an associate in 1950 and became a full academician in the academy in 1972.

Bradley said Kloss' main subjects are Taos and New Mexico Indians and Southwest scenery and imagery. Most of her human figures are Indians. Most of her scenes include native structures or activities. Tribal rituals, churches and religious customs are featured. She also paints landscapes in oil and watercolor. Modern scenes are extremely rare in her work, and California scenes are mostly represented in her early 1920s and 1930s paintings and prints.

-more-



"Her lifelong commitment to Indians and Southwest subjects is a quality which makes her unusual as an artist," Bradley said.

"She is also one of the two or three accomplished masters of aquatint, an etching technique which produces tones similar to a wash drawing."

The aquatint process and Kloss' combination of it with other etching methods and drypoint produce a soft touch and a shadowy or hazy quality to her figures and forms characteristic of her work, Bradley said.

When Bradley asked Kloss about the most important quality for an artist, she said it is "dedication or never losing sight of your goal."

At 80, she said, "You never really reach that goal. You never have anything to boast about, you just keep going."

Kloss said she found her inspiration in the Taos vicinity and in the Colorado mountains. She said she finds no inspiration in the city.

She also stressed using the best quality materials and perfecting technique, Bradley said.

The Museum's interest in Gene Kloss started with a West Texas Museum Association (WTMA) purchase of eight of her prints and one watercolor in 1964. The collection has been expanded through random purchases and some gifts from the artist through the years.

Kloss was born in 1903 in Oakland, Calif. She graduated with honors in art from the University of California at Berkeley in 1924 and continued her art study at the San Francisco School of Fine Arts.

The artist became interested in printmaking in one of her last seminar courses at Berkeley. She later read about etchers Francisco Goya and Dame Laura Knight and decided to adopt their printing method for her work.

Dissatisfied with routine styles of etching, Kloss worked for unusual and varied effects to give more meaningful expression and unusual tones to her work.

She married poet Phillips Kloss in 1925, and the couple took a honeymoon trip to New Mexico, camping in the Taos area. They began spending summers in Taos and winters in Berkeley. Each year spending more and more time in Taos, the couple moved there in 1945, leaving only once in 1965 for a five-year stay in the Colorado mountains.

Kloss has been acclaimed one of the most sensitive and sympathetic interpreters of the Southwest. Critics have called her a "landscape mystic" and a "portrait psychologist."

She has produced more than 600 copper plate etchings. Her work is in the permanent collections of the Metropolitan Museum, the Peabody Museum, the Smithsonian Institute, the National Gallery, The Museum of New Mexico, Museum of Tokyo and the Hague, among other internationally acclaimed galleries.

Recent exhibitions have included a 1980 one artist show at Muckenthaler Cultural Center in Fullerton, Calif.

The Gene Kloss exhibit at The Museum of Texas Tech is scheduled for Sept. 30 through Jan. 6.



# TexasTech News

UNIVERSITY NEWS AND PUBLICATIONS/P.O. BOX 4650/TEXAS TECH UNIVERSITY/LUBBOCK, TEXAS 79409/(806) 742-2136

## AFTER HOURS CALL:

Bee Zeeck, Director, (806) 799-8897

Preston Lewis, Manager, News Bureau, (806) 745-1718

Christy Bingham, Manager, Broadcast Bureau, (806) 795-1865

CONTACT: Preston Lewis

13-2-28-84

LUBBOCK--Two legal precedents are on a collision course that could wreck First Amendment protections for the press and public, says the 1984 winner of the Thomas Jefferson Award.

Oregon Sen. Bob Packwood said a Supreme Court decision in Red Lion Broadcasting Co. vs. Federal Communications Commission (1969) cannot be reconciled with a Florida Supreme Court decision in Miami Herald vs. Tornillo unless something gives. Packwood fears that something is the First Amendment.

That is why Packwood said he has worked to extend First Amendment protections of free expression to the broadcast media, first by constitutional amendment and now by legislation.

Packwood's continuing efforts to stop any erosion of First Amendment guarantees to the media and public earned him the 1984 Thomas Jefferson Award. Sponsored by Texas Tech University, the Texas Association of Broadcasters and the Texas Press Association, the award is given annually to an elected or appointed public official.

As electronic communications have proliferated, differentiating print from broadcast media has become more difficult, Packwood said in accepting the award Feb. 24. This blurring of how news and information is delivered, he said, has potential pitfalls for the First Amendment, depending on how the Supreme Court eventually resolves the conflict between Red Lion and Tornillo.

-more-



In Red Lion, which governs broadcast, the Supreme Court ruled that a Pennsylvania radio station had to give equal time to a man attacked in a religious broadcast. The court said it is permissible to regulate broadcasting because it is scarce, a premise which Packwood said is no longer valid, considering the nation's 9,400 radio stations, 1,400 plus television stations and untold cable and direct broadcast outlets.

In Tornillo, the Florida Supreme Court ruled that the Miami Herald was so intertwined in electronic dissemination of news that a Florida equal space statute could be enforced against the paper. Although the U.S. Supreme Court in 1974 overturned the Florida decision, citing the First Amendment, it did so without mentioning the Red Lion case, he said.

Packwood is worried how the courts will resolve the countervailing precedents between Red Lion and Tornillo.

"Are they to abandon the doctrine of scarcity they promulgated in the Red Lion case and hold that all forms of expression are entitled to the protections of the First Amendment?" he said. "Or, are they going to tilt in the other direction and find that almost all forms of expression are so intertwined in electronics that they henceforth do not have the protections of the First Amendment but instead can be controlled by the federal government?"

Packwood said by introducing the "Freedom of Expression Act" in the Senate last year he is trying to prevent the courts from deciding that issue to the detriment of the First Amendment. The bill would eliminate the fairness doctrine, equal time provisions and other government regulations affecting broadcast freedom of expression.



Packwood said he would prefer a constitutional amendment, but he does not have enough votes for that.

"But at a minimum, I will at least continue trying to remove the statutory bases for the content doctrines of the Federal Communications Commission so that we don't accidentally get a case going to the United States Supreme Court based upon a statutory interpretation in which the Supreme Court decides to follow the rationale of the Florida court in the Miami Herald case rather than the United States Supreme Court in the same case."

Packwood said his bill has broad support from the broadcast and print industry, but is opposed by organizations on the far right -- Accuracy in Media, Eagle Forum -- and far left -- Telecommunications Research and Action Center, Media Access Project. Despite that opposition, Packwood said the most discouraging testimony on the bill came from a lawyer for the AFL-CIO -- an organization Packwood called "mainstream" -- who said the principles of Red Lion should be applied across the board to broadcast and print media.

"Now if that is the kind of thinking that exists in this country among one of the major organizations in this country, I don't need to tell you how close we are to our liberties being in jeopardy," he said.

Although Packwood in 1982 proposed a constitutional amendment to cover broadcast freedom of expression he said the climate of the times is not right in light of public distrust of the media.

"We cannot run the risk of opening up the First Amendment in the hope of extending the protection of expression to everybody," he said. "We dare not run the risk of restricting it any further..."

"It is a sorry day for this country," Packwood said, "when we don't realize that the First Amendment is the absolute linchpin of liberty.

"The First Amendment is the protector of all the other amendments and liberties in our constitution," Packwood said. "With the First Amendment in place, government will never be able to enforce its views -- whatever they may be right wing or left wing -- on the country without at least dissent and comment from the citizenry, from broadcasters, from newspapers. Without the First Amendment, every liberty in this country is at risk."



**AFTER HOURS CALL:**

Bee Zeeck, Director, (806) 799-8897

Preston Lewis, Manager, News Bureau, (806) 745-1718

Christy Bingham, Manager, Broadcast Bureau, (806) 795-1865

CONTACT: Cheryl Duke

14-2-28-84

LUBBOCK--The Third Annual Philosophy Colloquium Series Thursday and Friday (March 1-2) at Texas Tech University will feature Richard Wollheim, professor of philosophy at the University of London.

Wollheim will speak on "Painting as an Art" at 8:15 p.m. Thursday in Room 169 Home Economics.

At 12:30 p.m. Friday he will speak on "Semiotic Theory of Representation" in Room 104 Mass Communications building.

Both lectures are open free to the public.

Wollheim, formerly on the Columbia University faculty, has held several distinguished lectureships. These include the William James lectures at Harvard University. He was named 1984 Andrew W. Mellon Lecturer at the National Gallery of Art in Washington, D.C.

His publications include books and essays on Sigmund Freud, F.H. Bradley and David Hume and books and articles on aesthetics.

The colloquium is sponsored by the Philosophy Department and the College of Arts and Sciences.

For more information, call Dr. Daniel O. Nathan, philosophy chairperson, 742-3276.

caption-----

15-2-28-84

JEFFERSON AWARD--Oregon Sen. Bob Packwood was presented the 1984 Thomas Jefferson Award during ceremonies Feb. 24 at Texas Tech University. Wayne Sellers, left, of Palestine, congratulates Packwood. The award is presented annually to an elected or appointive public official by Texas Tech, Texas Press Association and Texas Association of Broadcasters. (TECH PHOTO)



caption-----

16-2-28-84

JEFFERSON AWARD--Oregon Sen. Bob Packwood was presented the 1984 Thomas Jefferson Award during ceremonies Feb. 24 at Texas Tech University. Phil J. Record, left, president of Society of Professional Journalists, Sigma Delta Chi, congratulates Packwood. The award is presented annually to an elected or appointive public official by Texas Tech, Texas Association of Broadcasters and Texas Press Association. (TECH PHOTO)

caption-----

17-2-28-84

JEFFERSON AWARD--Oregon Sen. Bob Packwood was presented the 1984 Thomas Jefferson Award during ceremonies Feb. 24 at Texas Tech University. Texas Association of Broadcasters President William Moll, left, makes the presentation to Packwood. The award is presented annually to an elected or appointive public official by Texas Tech, Texas Association of Broadcasters and Texas Press Association. (TECH PHOTO)



**AFTER HOURS CALL:**

Bee Zeeck, Director, (806) 799-8897

Preston Lewis, Manager, News Bureau, (806) 745-1718

Christy Bingham, Manager, Broadcast Bureau, (806) 795-1865

CONTACT: Clifford Cain

18-2-29-84

Attention: Agriculture Editors

LUBBOCK--Prescribed burning of pinon pine-juniper forests may inhibit root fungi and lengthen the period it takes them to recover.

A recent study describing the effect will be presented at the 60th annual meeting of the Southwestern and Rocky Mountain (SWARM) Division of the American Association for the Advancement of Science at Texas Tech University March 27-31.

The burning project will be one of several discussed during the four-day meeting which also will involve the New Mexico Academy of Science and the Southwestern Comparative Psychology Association. The AAAS Committee on Desert and Arid Zones Research also will meet at the same time.

About 400 of the 15,000 SWARM members are expected to attend the sessions which will address topics in the physical, natural and social sciences.

Registration for any session is open to the public.

Pauline Gutierrez and Maureen Romine of New Mexico Highlands University, Las Vegas, N.M., will discuss their findings in a study of endomycorrhizae populations after prescribed burning of pinon pine-juniper forests.

The researchers recognize prescribed burning as an accepted management tool for both forests and grasslands. They undertook their study to determine the effects of the burning on internal root fungi in a pinon pine-juniper forest.

Results indicate that prescribed burning increased the phosphorus content of the soil and had an inhibitory effect on the root fungi. From these findings, the researchers presume this would lengthen the time it takes the fungi to return.



20-2-29-84

Three Amarillo students are currently scholarship recipients in mathematics at Texas Tech University. They are Christine O'Connor, daughter of Mr. and Mrs. Raymond O'Connor, 815 Palo Duro; Mary K. Arthur, daughter of Mr. and Mrs. J. C. Arthur, 1601 S. Austin and Enrique Bustos, son of Mr. and Mrs. Eduardo Bustos, 2410 N. Seminole. Arthur and O'Connor are graduates of Tascosa High School, while Bustos was valedictorian of Palo Duro High School.

Bustos received a Hattie Mae Bush Scholarship, an E. Richard Heineman Freshman Mathematics Scholarship and a John Porter King Scholarship. He has just received the LULAC Gabriel Rivera Scholarship from the Lubbock Council of LULAC. Bustos, a junior, is currently a recipient of the prestigious Emmett Hazlewood Mathematics Scholarship.

Another Emmett Hazlewood Scholar is Christine O'Connor. She has received this top mathematics scholarship for two years. She is also the recipient of an A.R.C.S. scholarship for senior mathematics-science students and a Texas Tech Scholarship. She is a member of Alpha Delta Pi sorority, The Tech Outing Club, the Tech Fashion Board and Kappa Mu Epsilon, the national mathematics honorary.

Mary K. Arthur is a recipient of the 1983-84 E. Richard Heineman Freshman Mathematics Scholarship. While in high school she was selected for All-Region Band for several years. She received a Danforth Award. At Tech, she is in the Tech Band and Kappa Alpha Theta sorority.

The Department of Mathematics awards a total of approximately \$10,000 in scholarship stipends to Tech mathematics majors.

**AFTER HOURS CALL:**

Bee Zeeck, Director, (806) 799-8897

Preston Lewis, Manager, News Bureau, (806) 745-1718

Christy Bingham, Manager, Broadcast Bureau, (806) 795-1865

CONTACT: Clifford Cain

21-2-29-84

(MEDIA ALERT: The publicity committee of the Texas Tech University Celebrity Tennis Tournament has scheduled a news conference at 4 p.m. Thursday (March 1) at South Plains Chevrolet to announce a future drawing for three vehicles benefitting the Texas Tech University Foundation. Former Texas Tech students G.W. Bailey and Barry Corbin are scheduled to attend, according to Pat D. Taylor, director-special projects, Texas Tech Development Office. The vehicles are a Camaro Z28, a Tra-Tech Conversion Van and a Corvette. The vehicles are being provided by South Plains Chevrolet and Texas Bank and Trust. Winners will have free use of the cars for a year. Tickets are \$10 each and can be purchased at the Texas Tech University Center, South Plains Chevrolet, Texas Bank and Trust, and the Texas Tech Ticket Office-Jones Stadium. For more information, contact Taylor, (806) 742-2128.)



**AFTER HOURS CALL:**

Bee Zeeck, Director, (806) 799-8897

Preston Lewis, Manager, News Bureau, (806) 745-1718

Christy Bingham, Manager, Broadcast Bureau, (806) 795-1865

CONTACT: B. Zeeck

22-2-29-84

LUBBOCK--The Texas Tech University Office of Academic Affairs has announced searches for two positions, that of graduate school dean and of director for the 410-acre Texas Tech University Center at Junction.

The position of graduate dean became open when Dr. J. Knox Jones Jr. resigned from that office effective upon appointment of a new dean, probably no later than Sept. 1.

The directorship at Junction will be vacated at the end of the spring semester when Dr. David K. Northington leaves to become executive director of the National Wildflower Research Center headquartered in Austin.

Vice President John R. Darling of academic affairs said that a nationwide search is being conducted for the graduate dean position. Dr. William B. Conroy, dean of the College of Arts and Sciences, heads that search committee, and applications should be addressed to him.

"The director for the Junction Center," Darling said, "probably will be chosen from among faculty on campus although other applications will be considered." Texas Tech faculty are also invited, he said, to apply for the position of the graduate dean.

The deadline for applications for the graduate deanship is April 2.

Darling said that in addition to academic qualifications and administrative experience, the committee will be seeking dean candidates "with an ability to work effectively with faculty, students and other administrators and with clear evidence of leadership in professional activities."

-more-



Serving on the Dean Search Committee with Conroy are:

Horn Professor M.M. Ayoub, industrial engineering; Chairperson Richard A. Bartsch, chemistry; Area Coordinator Danny N. Bellinger, marketing; Horn Professor Eric G. Bolen, associate dean, Graduate School; Dr. Virginia M. Sowell, assistant vice president for academic affairs; and Chairperson Connie Steele, home and family life.

For the Junction Center director prior teaching experience in the Junction program is preferred.

The position requires half-time appointment on the Lubbock campus for nine months to a year. The remainder of the director's time is devoted to development and coordination of year-round programs at Junction. The director is usually available for full-time summer service at the center.

"Not only must the director be comfortable and innovative in dealing with the flexible schedules and delivery systems at the Junction center," Darling said, "but also be able to interact with faculty and students from many different disciplines and be willing to become involved in the Junction community."

Deadline for applying for the director's position is March 19. Applications should be sent to the Office of Academic Affairs.

Tenured faculty at Texas Tech will have preference in the appointment of center director, Darling said.



**AFTER HOURS CALL:**

Bee Zeeck, Director, (806) 799-8897

Preston Lewis, Manager, News Bureau, (806) 745-1718

Christy Bingham, Manager, Broadcast Bureau, (806) 795-1865

CONTACT: Clifford Cain

23-3-1-84

LUBBOCK--Thunderstorms sometimes have split personalities.

People are familiar with the storm that rapidly passes over an area, producing heavy rain, strong winds and the usual thunder and lightning.

But a meteorological cousin occasionally appears, containing the severe thunderstorm followed by a milder source of rainfall that may last for hours rather than minutes and may cover a larger area.

This second type with its dual identity has attracted the attention of Texas Tech University atmospheric sciences Professor Colleen A. Leary.

"Once we understand the precipitation structures of a storm system, this knowledge can help in short-term weather forecasting, called 'nowcasting,' which is based on what a weatherman knows during a storm," Leary said. "A weatherman could warn of possible flash flooding if he knew how to identify these cloud clusters.

"For instance, he could be able to say it will keep raining but with no danger of severe storms."

She said this knowledge could be helpful to farmers and ranchers in the agricultural forecasts and in anticipating weather changes affecting their activities.

She noted her research, supported by the National Science Foundation, has indicated that the lighter rain is produced from a combination of rain from a leading thunderstorm and from a large cloud following the storm.



"This research shows that systems this big feed back into the atmosphere," Leary said. "The data could be incorporated into big computer weather models for 12-hour, 24-hour or 36-hour forecasts and could affect weather forecasting for the country."

The split-personality storm is not as regular a visitor as the severe thunderstorm, but it may be a better source of precipitation because of the longer rainfall.

"We're trying to find out how this group is different from individual storms," she said. "A squall lasts a relatively brief time, but the group behind it can last the longest and produce the most rain, often causing flash flooding."

A squall is a brief, violent windstorm involving rain.

Even though the severest part of the system may pass over quickly, the lighter to moderate rainfall may last for several hours, yielding the most significant amounts of rain from the storm.

Leary first noticed this occurrence in systems in tropical storms and now is studying inland storms to identify those showing this Jekyll-Hyde activity.

"In the past researchers didn't pay as much attention to what was behind the thunderstorms because the big problem was with the storm severity and not the rainfall," she said. "The problem was researchers did not recognize the group behind the squall as another part of the cluster."

For thunderstorms to develop, they must have a supply of moisture from the lowest few thousand feet because rain starts as water vapor near the ground.

"The temperature needs to decrease quickly enough in higher clouds to provide the buoyancy needed for storm clouds," she said.



"This determines whether air keeps going up, and there has to be a lifting mechanism to help moisture come up from below the clouds," she said.

Air flowing over rising topography, such as the West Texas Caprock, helps air to go up and develop thunderstorms. She said storms do not usually form singly but rather in closely bunched groups.

Story leads for the week of  
March 4-10, 1984  
24-3-2-84

**Texas Tech University**  
University News & Publications  
BOX 4650/LUBBOCK, TEXAS 79409/(806) 742-2136

# Radio & Television New Service

THE NEW MASKED RIDER--Selection of the 1984-85 Red Raider will be announced at 2 p.m., Wednesday, March 7, in a Transfer of Reins Ceremony at Jones Stadium. The first Red Raider, Joe Kirk Fulton, will participate. Contact Judith Henry, Dean of Students Office, (806) 742-2192.

KIDS ON TOUR--The Texas Tech Museum is conducting its first art tour for first graders. Children will receive training in art appreciation. Contact Bettie Mills, Museum Education Office, 742-2456.

KIDS ON COOKIES--Feed Cookie Monster a cookie bearing a child's name. It's part of KTXT-TV's approach in the annual fund-raiser underway now. Without commercials to generate income, the Texas Tech PBS station relies on other means for raising support. Contact Karen Payne, director of development, KTXT-TV, 742-2209.

\$150 BILLION A YEAR--That's the amount spent annually marketing products for Hispanic and black consumers. Sometimes there are misconceptions about minority shopping and buying behavior, loyalty to certain brands and use of trading stamps and coupons. A survey at Texas Tech indicates new approaches to advertising for minority consumers. Contact Dr. Bert Valencia, marketing professor, 742-3161.

LUBBOCK'S OIL REFINERY--Is a 40-foot by 60-foot replica of a heavy oil refinery at Corpus Christi. The model was donated by Champlin Oil Company to Texas Tech University's Department of Petroleum Engineering. It's a \$500,000 model. Contact Petroleum Engineering Department Chairman Robert Carlile, 742-3573.

For assistance in  
developing these and other  
story ideas, contact  
Christy Bingham/Dub Bowlus,  
UN&P, 742-2136.



February 28, 1984

25-3-1-84

To: Editors, News Directors  
From: Preston Lewis, Manager, News Bureau, Texas Tech University  
Subject: Packwood Speech

In accepting the 1984 Thomas Jefferson Award, Oregon Sen. Bob Packwood reviewed what he sees as a major threat to the First Amendment protections guaranteed to the media and the public. Because of the significance of what he said and the exceptional response he received from the audience of 175, I am forwarding a copy of his prepared remarks to you.

A release on his speech is also included for your consideration.

Packwood delivered the speech at the 1984 Thomas Jefferson Award Banquet Feb. 24 at Texas Tech University. The annual award is sponsored by Texas Tech University, Texas Press Association and Texas Association of Broadcasters. The award recognizes elected or appointive public officials who have worked to protect the right of the news media to gather and disseminate the news and of the public to free expression.

CONTACT: Cheryl Duke

26-3-1-84

LUBBOCK--Fourteen Texas Tech University students have become charter members in the state's first chapter of Eta Sigma Delta, national honorary for hospitality management.

The chapter was formed this spring for students in the university's Restaurant, Hotel and Institutional Management program in the College of Home Economics. Students must be in the top 20 percent of their junior or senior class in hospitality management. Adviser is Dr. David K. Hayes, director of the RHIM program.

Charter members include



# Texas Tech News

UNIVERSITY NEWS AND PUBLICATIONS/P.O. BOX 4650/TEXAS TECH UNIVERSITY/LUBBOCK, TEXAS 79409/(806) 742-2136

## AFTER HOURS CALL:

Bee Zeeck, Director, (806) 799-8897

Preston Lewis, Manager, News Bureau, (806) 745-1718

Christy Bingham, Manager, Broadcast Bureau, (806) 795-1865

CONTACT: Cheryl Duke

27-3-1-84

LUBBOCK--Videogame biology will be discussed during the Southwestern and Rocky Mountain (SWARM) Division of the American Association for the Advancement of Science annual meeting March 28-31 at Texas Tech University.

Robert J. Kosinski and C.O. Patterson of Texas A&M University will demonstrate a series of simulated biology laboratory exercises on the microcomputer.

In the first exercise, students are plants competing for light and water. Each has to manage his own growth to stay alive and hasten the death of competitors.

In a second biological videogame, students become the world-famous physiologist asked by NASA to determine what controls the heart-lung physiology of the first extraterrestrial creature known to science. Careless experimenting can kill the creature.

A third program has the student attempt to determine the sequence of reactions in a biochemical pathway by performing experiments and analyzing the data. The catch to the third game is that the student is given a semi-competent technician, a restricted budget, equipment breakdowns and laboratory disasters -- such as burst waterpipes and explosions -- for a taste of the real world.

The presentation will be one of several given during the Science Education section of the SWARM meeting.

Other subjects to be presented during the section will include a biology merit exam for junior and senior high school students and teaching without a text versus teaching without a teacher.

-more-

Papers will be presented at the annual meeting by scholars from nine states: Texas, New Mexico, Oklahoma, Kansas, Nebraska, Montana, Wyoming, Colorado and Arizona. Sections will cover agricultural sciences, botanical sciences, environmental sciences, history and philosophy of science, physical sciences and engineering, psychological sciences, science education, social sciences, computer sciences, biomedical sciences and zoological sciences.

The American Association for the Advancement of Science Committee on Desert and Arid Zones Research will meet in conjunction with the SWARM meeting.

Registration for any session is open to the public.



CONTACT: Cheryl Duke

28-3-2-84

Attention: Science Editors

LUBBOCK--A spring coming out party for a female red-sided garter snake in Manitoba, Canada, attracts up to 100 males vying for a chance to mate.

The female snake will only mate with one, limiting the chances of each individual male snake.

University of Texas researchers Janet E. Joy and David Crews have researched the social aspects of the snakes' three-week-long mating gatherings and will present their findings during the 60th annual meeting of the Southwestern and Rocky Mountain Division, American Association for the Advancement of Science, at Texas Tech University, March 28-31.

The paper on red-sided garter snakes will be one of several presented in the psychological sciences section of the meeting. The Southwestern Comparative Psychology Association will also convene during the four-day meeting. Registration for any session is open to the public.

Joy and Crews did research to determine if the male snakes' attraction to the communal mating balls was based mostly on the female's attractiveness or if they were drawn by the presence of other males that were courting.

The two studied the courtship of a male, red-sided garter snake when he was alone with a female and when there were other males present. They found males showed more courtship characteristics when other males were present, suggesting that mating balls are formed, in part because of the presence of other males.

Other topics to be presented at the meeting include visual or chemical predator detection among fishes, using animal models for the study of human problems, measuring post-traumatic stress disorders, sexual learning among male Japanese quail, and the statistical analysis of change.

Papers will also be presented in agricultural sciences, biomedical sciences, botanical sciences, computer sciences, environmental sciences, geology and geography, history and philosophy of science, physical sciences, science education, social sciences and zoological sciences.

Participating scientists are mostly from Texas, New Mexico, Oklahoma, Kansas, Nebraska, Montana, Wyoming, Colorado and Arizona.

The New Mexico Academy of Science and the AAAS Committee on Desert and Arid Zones Research will also be involved in the SWARM meeting.



**AFTER HOURS CALL:**

Bee Zeeck, Director, (806) 799-8897  
Preston Lewis, Manager, News Bureau, (806) 745-1718  
Christy Bingham, Manager, Broadcast Bureau, (806) 795-1865

CONTACT: Clifford Cain

29-3-2-84

Attention: Agriculture Editors

LUBBOCK--Graduate research papers on mefluidide effects on sorghum and soil mapping in the South Plains will be offered during a Plant and Soil Science Seminar at 4 p.m. Monday (March 5) in Room 101 Goddard Range and Wildlife Building at Texas Tech University.

Sponsored by Texas Tech's College of Agricultural Sciences and the Department of Plant and Soil Science, the seminar will cover progress reports on research by graduate students Rolando Hernandez of Argentina and Dwaine Daniels of Granbury.

"Mefluidide Effect on the Growth and Forage Quality of Pasture Sorghum" will be presented by Hernandez, who is advised by Arthur G. Matches, Thornton professor in plant and soil science. "Variability in Brownfield Fine Sand and Thick Surface Mapping in Cochran and Yoakum Counties, Texas" will be discussed by Daniels, who is advised by plant and soil science Professor B.L. Allen.

The seminar is open to the public. Refreshments will be served at 3:30 p.m. in the upstairs atrium area of the Plant and Soil Science Building.

# Texas Tech News

UNIVERSITY NEWS AND PUBLICATIONS/P.O. BOX 4650/TEXAS TECH UNIVERSITY/LUBBOCK, TEXAS 79409/(806) 742-2136

## AFTER HOURS CALL:

Bee Zeeck, Director, (806) 799-8897  
Preston Lewis, Manager, News Bureau, (806) 745-1718  
Christy Bingham, Manager, Broadcast Bureau, (806) 795-1865

CONTACT: Cheryl Duke

30-3-2-84

LUBBOCK--This spring marks a turning point in Texas teacher education as the class of 1986 faces state changes in teacher certification and the first of two tests not required of their predecessors.

Texas Tech College of Education Dean Richard E. Ishler and Associate Dean Shamus Mehaffie say the changes are good for Texas and for education.

The first test, Saturday (March 3) at Texas Tech and other testing centers throughout the state, covers reading, writing and mathematics. Students must pass the test before entering a teaching program.

The second test in May 1986 will be the first Texas teacher certification exam. To begin teaching, prospective teachers must pass the exam. Those passing will receive a three-year teaching certificate instead of the lifetime certificate presented to previous graduates.

Ishler said most students he has talked with are pleased they will be able to demonstrate their competence in the face of so much recent criticism of education and of teachers.

"The tests will weed some people out, but people should be weeded out if they are not competent," Ishler said.

He said some may fail the basic skills test the first time because they are required to apply their knowledge.

-more-



"Any normal high school graduate will have the general knowledge necessary for this basic skills test," Ishler said. "However, students may have the knowledge without understanding how to apply it, and the test is mostly application."

Mehaffie said students who fail the basic skills test may take it over twice. The test will be given at statewide testing centers once each fall, spring and summer. Students failing part of the test, must take that section again, he said.

Ishler said the basic skills test is similar to a standard achievement test and should be required across the entire university.

"It is not only teachers who need to be able to use the basic skills of reading, writing and math, but engineers, scientists, social workers, businessmen and other professionals as well," Ishler said.

The basic skills test includes a 30-minute essay. Finished exams, including the essay, are sent to Austin for grading. Essays are graded by two readers: a third is called in when there is a strong difference in the evaluation of the two graders, Ishler said.

The majority taking this first basic skills test will be college students finishing their sophomore year, though students who plan to teach, may take the test at any time before they reach that level. High school seniors may take the test, Mehaffie said.

Persons from other schools may take the test at Texas Tech, an official testing center. The next basic skills test will be given July 21. Applications may be picked up in the Texas Tech College of Education or in the Testing and Evaluation Center in West Hall. They must be mailed to the Educational Testing Service in Austin by June 21.



Ishler said the state's new certification test is now being developed to test knowledge in the individual's teaching field and in professional education. Certification tests are used in several other states, he said.

"Like a bar exam in law, the teacher certification test will not be connected with the students obtaining a degree, but students must pass the exam to be able to practice in their field," Ishler said.

Mehaffie said both tests will provide more guidance and direction for students and reinforce existing standards for teaching.

"The overall effect will be good. It will help to have uniform entrance and exit standards across the state," Mehaffie said.

Certification standards in the state are also changing in the spring of 1986. Three different teaching certificates will be available instead of one lifetime certificate in the state.

Mehaffie said provisional certificates will be issued to new teachers and will be good for three years. The certificates may be renewed once for an additional three years after the teacher gains some teaching experience and completes six more hours of education.

Mehaffie said teachers must teach to keep their certificates valid. If they have not taught for three years, they will have to reapply for a certificate.

Standard certificates will require three years experience, recommendation by the last school district and completion of 12 more hours of study. They will be valid for seven years and may be renewed.

Professional certificates require completion of a master's or doctoral degree in addition to three years teaching experience and recommendation by the last employer. The professional certificate is valid for life.



## AFTER HOURS CALL:

Bee Zeeck, Director, (806) 799-8897

Preston Lewis, Manager, News Bureau, (806) 745-1718

Christy Bingham, Manager, Broadcast Bureau, (806) 795-1865

CONTACT: Clifford Cain

31-3-2-84

Attention: Ranch Editors

LUBBOCK--Ranchers' fight to eliminate snakeweed grass from their pastures may get help from Texas Tech University range management professors who have had success by changing the herbicide spraying time from spring to fall.

Texas Tech Professor Ronald E. Sosebee said, "Snakeweed has always been here, but it's never infested the range in the density we have now."

Snakeweed, also known as perennial broomweed, occurs on rangeland from the 100th meridian (about Abilene) west across the United States to northern New Mexico and southern Canada. It has overwhelmed much southwestern U.S. rangeland.

"Our solution was to change the timing of the spraying from the traditional spring application to the fall after the plants have flowered," he said. "After flowering, carbohydrates are being distributed throughout the plant which concurrently distribute the herbicides throughout the plants, subsequently killing the plant."

"Ranchers can sometimes kill snakeweed by spraying in the spring, but the risk of failure is greater in the spring," he said.

He said ranchers blame the weed for many of the calf abortions that have occurred after the cows ate snakeweed.

"When it's real dry and there's no grass, the only thing green sometimes is the snakeweed," Sosebee said.

He said the first year snakeweed shows up in a pasture it probably will not be much of a problem. As long as the weed remains a minor component of the pasture, it will not be a severe problem, he said.



"When it becomes a dominant part of the pasture, the snakeweed can eliminate grass production" Sosebee said. "If it stays green with good soil water, it will outcompete the range grass and eliminate it completely."

With snakeweed present, grass production can fall from about 1,000 pounds per acre to as little as 80 pounds per acre in a few years, he said.

"If you spray at the right time, you can control 90 to 100 percent of the snakeweed," Sosebee said.

Since he started spraying the fall after the plants have flowered, Sosebee has achieved essentially complete control with one application in test areas by aerial spraying or with a ground rig mounted on a pickup truck.

"The longevity of the herbicide application is dependent on the climatic conditions in the sprayed area," he said.

He noted that one area he sprayed in 1974 or 1975 stayed free of the snakeweed for about eight years, but another pasture treated three or four years ago has been infested again because the winter was wet.

"We feel fairly comfortable with controlling the snakeweed population for three or four years irrespective of climatic conditions during that time period," he said.

If a rancher decides to follow the recommended spraying in the fall, Sosebee said grazing on the pasture should be avoided during the next growing season.

"Ranchers should defer grazing in the spring or summer to let the native grasses reinstate themselves," he said. "Once the broomweed has died, the grasses will come right back."



caption-----

32-3-2-84

EXAMINES SNAKEWEED--Texas Tech University University range and wildlife Professor Ronald Sosebee has discovered that spraying snakeweed in the fall rather than in the spring will yield a greater amount of control of the perennial broomweed. He examines the roots of a clump of snakeweed. (TECH PHOTO)