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Texas Tech News

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

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ATTENTION: Family News Editors

LUBBOCK--Contrary to society's stereotypes, divorced mothers who live apart from their children are similar to divorced mothers who live with their children.

These "nontraditional" mothers have feelings about motherhood and goals for their futures similar to those of mothers who have custody of their children, say Texas Tech University researchers.

In spite of these similarities, society regards "noncustody" mothers more negatively, research indicates. Consequently, these women have a difficult time finding support from families, friends and social institutions and maintaining close relationships with their children.

Dr. Judith L. Fischer, associate chairman of the Texas Tech Department of Home and Family Life, says there needs to be more understanding and compassion and less punishment for these "nontraditional" mothers.

"They are not bad mothers who take their roles as mothers lightly," she said. "They have as much concern about the well-being of their children as any mother."

Fischer and Jane Cardea, research assistant and doctoral student in family interaction, have surveyed about 30 divorced mothers in Texas, Massachusetts, Pennsylvania and Maryland. She said the small study concerned the women's relationships with their children and the stress and coping methods in the two kinds of post-divorce or separation situations.

"We found no evidence that mothers who live apart from their children are more 'unfit' than custody mothers in terms of feelings for their children, living arrangements, abuse, alcoholism or other problems," Fischer said.

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divorced mothers/add one

Yet, 86 percent of the custody mothers and 83 percent of the "noncustody" mothers questioned said society regards mothers who do not have custody as "unfit" or "having something wrong with them."

Fischer said such negative attitudes and stereotypes complicate an already difficult situation for "noncustody" mothers, defined in the study as mothers who live apart from one or more of their children.

"These women, too, feel as if they need to be with their children, but in many cases, the mothers have considered what was best for the child," Fischer said.

Forty-one percent of the "noncustody" mothers said living apart from their children has caused "personal pain, a rough time, and feelings of loss and guilt as well as hostility and anger directed toward them."

More than half of the custody mothers said they still struggle with fathers and in-laws over custody. More than half of the "noncustody" mothers originally had custody of their children.

When the women who had custody later lost it, emotional or medical problems of the children were cited as causes for the change. In a few of those situations, the children live with grandparents, in institutions or alone.

Some mothers who relinquished custody at the time of divorce, cited the influence of the father with the children as a major factor. Others indicated the advice of outsiders was a factor. One mother said "male professors felt the noncustody arrangement would be best for me to finish graduate school."

Finishing school is one of the most common goals expressed by both custody and noncustody mothers. Other goals include remarrying and moving.

Custody mothers indicated the majority of their children want them to remarry or get back together with the fathers while only one out of seven noncustody children expressed that desire.

divorced mothers/add two

Mother-child relationships are a strength for the custody mothers who say they have gained in the parental role and their relationships with their children have improved since the separation or divorce.

"Noncustody" mothers do not have that strong tie. A third regard their relationships with their children as negative, hostile or non-existent since the divorce or separation.

About 70 percent of the "noncustody" mothers said they live one day at a time with few hopes for the future while only 21 percent of the custody mothers indicated little hope for the future. Fischer said failure to express hope could indicate pain, depression, acceptance of the situation or all three.

Fischer said 41 states recognize equal custody claims to children and above 13 percent of the fathers nationwide are awarded custody, but private custody arrangements account for a higher percentage of children living with their fathers.

cutline----

MODELING--Figures are entered into a computer terminal as part of a Texas Tech University project to produce a validation methodology for petroleum reservoir simulators. Beverly Winters, a Texas Tech graduate assistant from Wildorado, Texas, works under the supervision of Dr. Wayne T. Ford, Texas Tech math professor. Ford and Dr. Ronald M. Anderson, also a Texas Tech math professor, are directors of the project which is funded by the Department of Energy through the Bartlesville Energy Technology Center. (TECH PHOTO)

Contract Title: Mathematical Methodology for Evaluating
Simulations of Flow in Porous Media

Contract No.: DE-AC19-80BC10257

cutline----

REVIEW--Dr. Wayne T. Ford, Texas Tech math professor, discusses over the telephone preliminary results of a project to produce a validation methodology for petroleum reservoir simulators. The finished project will be used as an aid in enhanced oil recovery. Ford and Dr. Ronald M. Anderson, also a Texas Tech math professor, are directors of the Department of Energy funded project.

(TECH PHOTO)

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LUBBOCK--With as much as 68 percent of the oil in existing fields unrecoverable through conventional techniques, enhanced or tertiary oil recovery has the potential of adding billions of barrels of oil to U.S. reserves by the late 1980s.

Computer models, mathematically generated simulations of an oil reservoir's physical properties, are increasingly used in the effort to reach more of that hard-to-get oil with the most effective enhanced recovery technique.

A valid computer model can provide direction in milking an individual reservoir of more oil than can be recovered by conventional pumping and water-flooding methods. However, the wrong enhanced recovery method, based on a faulty computer model, could do irreparable damage to an oil reservoir.

Reducing the risks inherent in the oilfield application of computer modeling is the goal of Texas Tech University mathematicians Wayne T. Ford and Ronald M. Anderson. They are working on a computer program that can test the validity of computer-simulated models on the market today.

"The Department of Energy and oil companies have jointly spent substantial amounts of money on field tests of computer models," Ford said. "If you could predict what would happen in those tests, you could save money."

In addition to the money savings, time economies would result.

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"Field results can take eight to 10 years to evaluate," Ford said. "A computer with the proper program could produce results in advance and you would know exactly what to expect."

Because enhanced oil recovery is a developing technology, many questions about methods and effectiveness remain to be answered. The Texas Tech research, funded by a grant from the Department of Energy, seeks a method to validate computer predictions for injection processes. In this form of enhanced oil recovery, chemicals such as carbon dioxide are pumped into the ground, forcing trapped oil to producing wells where the crude can be pumped to the surface.

Mathematical formulas describing the behavior of injection chemicals under various pressures and temperatures, the permeability of the sand and rock in a petroleum reservoir, the geometry of solids, the density and viscosity of fluids, the acceleration of gravity and other physical properties are incorporated in the computer program to test other computer models.

"For the mathematical model to predict proposed field application, these combined equations must be physically, mathematically and computationally consistent," Ford said.

Once this program is perfected, Ford said, numerical values derived from it can be entered into a computer model for testing. If the computer model generates curves similar to the test program, then it can be considered a valid simulation. Such information could help oil companies and the government know which computer models work best. No other test of this type exists, Ford said.

Enhanced oil recovery will become more important to the nation during the 1980s, Ford said, because domestic production by conventional means will decline drastically. Enhanced recovery, however, will help squeeze more oil from fields in West Texas, California and Appalachia, fields that have supplied the nation with petroleum resources for decades.

EDITOR'S NOTE: Beverly Winters of Wildorado and Cheri Sieck of Levelland are working on this project as graduate assistants.

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LUBBOCK--Forty home economics teachers from throughout Texas are learning how to teach vocational skills to handicapped and disadvantaged students during a three-week workshop this summer at Texas Tech University.

The workshop July 6-24 is for certified teachers who will be teaching in the public schools' home economics Coordinated Vocational Academic Education (CVAE) and Vocational Education for the Handicapped (VEH) programs.

Prospective CVAE and VEH teachers must attend the workshop two years to obtain the teaching endorsement to work with the handicapped and the disadvantaged, said Dr. Camille J. Bell, workshop coordinator.

Participants spend mornings in laboratory work learning about commercial food services and clothing services equipment which they will be teaching students to operate.

During the afternoons, teachers have sessions on counseling skills, curriculum planning, managing student behavior, and working as a team with other professionals, including special education teachers, school psychologists and community service providers, who work with the handicapped and students with special needs.

The last week of the workshop teachers will do special projects for their home schools. These may include designing the curriculum, developing training techniques for a particular student with special needs or setting up an advisory council for the CVAE and VEH programs in their communities.

The CVAE and VEH programs train students for jobs in food, clothing and home and community services, Bell said.

Workshop speakers include Priscilla Sims, owner-manager of Southern Seas Restaurant in Lubbock; Dr. George Fare, special consultant from the University of Texas at Dallas; Ima Dora Haile, Texas Education Agency Area I consultant; Dr. Jim Gilliam, University of Texas at Austin professor; Dr. Linda Parrish, Texas A&M professor; Dale Voorhees, Edinberg High School principal; Ann Spikes, Lubbock food service consultant; and Shirley Castle, Lubbock VEH teacher.

Texas Tech faculty include Bell, chairman of the Department of Home Economics Education; Dr. Ruth Volz and Dr. Joan Kelly, home economics professors; Jacque Lytle, teaching assistant; and Betty Campbell, administrative assistant.

The workshop is funded by the Texas Education Agency in cooperation with the College of Home Economics at Texas Tech.

First year VEH participants include: Melissa Burka of 2621 W. Sixth, Irving; Margie Horn of 3605 San Bar, Bedford; Sallye Lyons of Route 1, Cumby; Nancy Marin of 210 Pilgrim, San Antonio; Patricia Ward of 8945 Senate, Dallas; and Jeanette Young of Morton.

Second year VEH participants include: Jan Bain of 3615 B Hazel, Texarkana; Blon Del Beasley of 10653 Candlewood and Mary Sylvia Cuellar of 1517 Montana, El Paso; Frances Easter of Route 3, Floydada; Dee Ellis of 6138 Royal Point, San Antonio; Oleta Hamby of 3104 40th and Betsy Herrmann of 6402 Albany, Lubbock; Joyce Jones of 500 Fairway Road and Jan Long of 600 N. Balbaca, Waco; and Betty Owens of Route 3, Paris.

First year CVAE participants include: Melody Lee of 2609 Harmony and Pauline Martin of 2811 Porter, Amarillo; Phyllis Edmison of 6210 Breeze Way and Raye-Linn Creech of 2536 S. Congress, Austin; Yvonne Cavazos of 1104 N. Goldman, Victoria; Donna McCollum of 1901 Lakeview Circle, Lewisville; Vivian Dirksmeyer of 1416 W. 26th, Plainview; Sydney Nichols of Route 1, Lorenzo; Linda Bone of Huntsville; Cloteal Hall of Richards; Mary Sue Atkinson of Fritch; Sybil Fischer of 1710 Flanagan, Longview; Normia Lyles of 3960 Windhaven Road, Fort Worth; Eugenia Dean of Daingerfield; and Deborah Roerig and Janet Sellers of McAllen.

Second year CVAE participants include Beckie Fry of Route 2, Forney; Patti Monroe of Ira; Carleen Moore of 2 Havenwood Lane, Canyon; Olga Orta of Route 1, Natali; Jane Parker of Paris; and Frances Sames of Eagle Pass.

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LUBBOCK--Texas Tech University political science Professor Nelson C. Dometrius has been named director of the university's Center for Public Service.

As director of the 8-year-old center, Dometrius will oversee a graduate program leading to a master of public administration and coordinate projects to assist local governments.

A professor at Texas Tech since 1978, Dometrius has taught and conducted research in several public administration fields, including organization theory, bureaucratic politics, policy analysis and program evaluation.

Dometrius has conducted electronic data processing workshops for local government officials. He also has been project director of Texas criminal justice intern grants and Title IX public service fellowship grants. He has published or presented before professional groups more than a dozen papers based on his research.

He earned his doctoral degree from the University of North Carolina and his master's degree from San Diego State University. He received his bachelor's degree from the University of Redlands.

The Texas Tech Center for Public Service offers a multidisciplinary program under the auspices of the university's School of Business Administration and its Political Science Department. After completing a core curriculum in business and political science, students in the program take courses from other schools and departments to tailor their degrees toward their specific goals in public administration.

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Applied research and training also is provided for public agencies needing expertise in several fields. Agency and local governmental officials interested in consulting services can notify the center, which will identify Texas Tech faculty with suitable expertise and arrange followup contacts.

For more information, contact the Texas Tech Center for Public Service at Box 4290, Lubbock, 79409, or at (806) 742-3125.

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CONTACT: Duncan McDowell

LUBBOCK--Approximately 40 professors and graduate students in agricultural education from 13 southern states will attend the 30th annual Southern Research Conference in Agricultural Education at Texas Tech University July 21-23.

Research papers will be presented by teacher educators from Auburn University, University of Florida, Louisiana State University, Mississippi State University, North Carolina State University, Ohio State University, Oklahoma State University, Texas A&M University, Texas Tech and Virginia Polytechnic Institute.

Conference chairman Professor Marvin J. Cepica of Texas Tech's agricultural education faculty said the conference would provide an opportunity to disseminate research findings for professional improvement.

Dr. Samuel E. Curl, dean of Texas Tech's College of Agricultural Sciences, will deliver the keynote address on "The Importance of Research to Agricultural Education." Dr. Robert C. Albin, associate dean of the college, will speak on "Integrating Teaching and Research."

The conference program will include guided tours of Lubbock Feed Lots, Roosevelt High School's vocational agriculture department and the Ranching Heritage Center.

Texas has nine vocational agriculture teacher training universities, more than any other state represented at the conference, Cepica said.

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CONTACT: Cheryl Duke

ATTENTION: Music Editors

LUBBOCK--Registration is open for the 10th Annual Conference of the International Double Reed Society to be hosted by Texas Tech University's Division of Continuing Education and Department of Music Aug. 12-15.

The conference is the first in the Southwest for the 1,500 member society made up of musicians and persons interested in performance, teaching, studying and manufacturing of double reed instruments. Double reed instruments include oboes and bassoons, Renaissance krummhorns, shawms (predecessor of the oboe) and bagpipes.

Fees are \$20 for members of the society, \$30 for students and \$40 for others. Non-members attending the conference may obtain membership for \$10 for students and \$20 for others.

Persons desiring campus accommodations must pay a \$25 room deposit by July 30. Housing fees are \$74.50 for single occupancy and \$66.50 for double occupancy, which includes meals.

Conference sessions will feature more than 25 professional performers and lecturers from eight foreign countries and the United States.

Musicians who are semifinalists and finalists in the annual Composition Contest and the new Fernand Gillet Young Artist Performance Competition will perform.

Other features include exhibits, concerts, and performances by ensembles from the University of Texas at El Paso and West Texas State University.

For registration or information, contact Richard Meek, Box 4239, Texas Tech University, Lubbock, 79409 or call (806) 742-2297.
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CONTACT: Cheryl Duke

(EDITOR'S NOTE: Persons desiring interviews or opportunities for filming should contact Deborah Palmer, (806) 742-2354.)

LUBBOCK--Gifted and talented students, ages 10-15, will participate in the second session of Shake Hands With Your Future July 19 through Aug. 1 at Texas Tech University.

Developed by the Texas Tech Division of Continuing Education and College of Education, the program will allow the students to study computer science, creative writing, law, architecture, anthropology and other fields.

Subject matter will be related to the future of society, technology and personal communication.

During informal mentor sessions, students will meet and speak with Texas Tech leaders and policy makers.

Swimming, softball, chess, films and field trips to the Texas Tech Textile Research Center, Crosbyton Solar Project, Ranching Heritage Center, Moody Planetarium and The Museum will be recreational highlights.

The 123 participating students have been selected from more than 550 Texas students nominated by school principals, counselors and administrators. Students must have demonstrated great potential through high performance in various areas.

For more information on the session or future Shake Hands With Your Future programs, contact Deborah Palmer or Teresa Edwards, (806) 742-2354.

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CONTACT: Harvey Landers

LUBBOCK--More than 1,400 junior high and high school students from seven states are making music during the 1981 Texas Tech University Band Camp.

Sponsored by the Texas Tech Department of Music, the band camp offers students individual and group training and prepares them for performances during the 1981 football season.

Students from Texas, Oklahoma and New Mexico and some from as far away as Pennsylvania and California live on the Texas Tech campus and participate in activities from 7:30 a.m. until 10 p.m. daily during the camp July 12-24.

Daily activities include marching practice, ensemble rehearsals, student assembly and band rehearsals. Subjects studied by the students include music theory, jazz improvisation, drum majoring, reed making, conducting and baton twirling. Faculty recitals, concerts, dances, a talent show, private instruction and recreation round out the events open to students.

Highlight of the camp will be the performances of the six jazz bands starting at 7:30 p.m. July 23 and the 12 concert bands beginning at 1 p.m. July 24. The concerts, all in the University Center Theater, are open free to the public.

A banquet and awards presentation will be given July 22 in the Lubbock Memorial Civic Center for the students.

The camp's 100-member teaching staff is made up of college and high school music teachers from Texas and neighboring states. Keith Bearden, associate director of bands at Texas Tech, is camp director.

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band camp/add one

In conjunction with the band camp, Texas Tech is conducting a band director's workshop. Taught by long-time Texas Tech band director Dean Killion, the workshop includes classes, band observation and twirling routines. For the 15th year the workshop features a week of instruction from Dr. Francis McBeath of Ouachita Baptist University.

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CONTACT: B. Zeeck

LUBBOCK--John R. Darling, dean and professor of marketing of the College of Business Administration, Southern Illinois University-Carbondale, has been named vice president for academic affairs at Texas Tech University.

Texas Tech President Lauro F. Cavazos made the announcement Friday (July 17). He said the appointment will become effective Sept. 1.

Darling succeeds Dr. Charles S. Hardwick who resigned last October. Dr. C. Len Ainsworth, associate vice president for academic affairs and professor of education, has been serving in the interim.

Darling has held teaching and administrative positions in several institutions. He began his teaching career at the University of Missouri-Kansas City. He also has been on the faculties of the University of Missouri-Columbia, University of Alabama-Tuscaloosa, Wichita State University and the University of Illinois-Urbana, where he earned his doctor of philosophy degree. He earned bachelor's and master's degrees in business administration at the University of Alabama. His associate degree was awarded by Graceland College, Lamoni, Iowa.

Darling also has been a visiting professor at the University of Montana and at three Finnish institutions -- the Helsinki, Vaasa and Turku schools of Economics and Business Administration.

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He cites as his fields of special interest, administrative leadership, planning and strategic decision-making and international management and marketing.

In addition to broad academic experience, Darling has held management positions with the J.C. Penney Co., Boothe Advertising Agency, Inc., and Business Research Associates, Inc. He has been a consultant to such major U.S. firms as the DuPont Corp., Ford Motor Co., Holiday Inns of America, Inc., and Southwestern Bell Telephone Co., and also to state and federal governmental agencies, colleges and universities and numerous foreign business firms and government organizations.

He is a member of the Board of Trustees of Graceland College; the Initial Accreditation Council and Accreditation Visitation Teams, American Assembly of Collegiate Schools of Business, St. Louis; Board of Directors, National Family Institute, Inc., St. Louis; the Illinois Council on Economic Education; the editorial board of the Journal of Research; and the board of consulting editors of the Journal of Advertising. He is senior research consultant for Research Associates, Inc., Wichita, Kan. He is the U.S. special representative for Skopbank, Helsinki.

Darling is the co-author of seven books related to marketing and the author or co-author of almost 50 articles published primarily in business and marketing journals.

CONTACT: B. Zeeck

LUBBOCK--Texas Tech President Lauro F. Cavazos Friday (July 17) announced that George S. Tyner, M.D., is relinquishing his position as dean of the School of Medicine effective Sept. 1 and that J. Ted Hartman, M.D., chairman of the Department of Orthopaedic Surgery, will serve as interim dean.

Tyner, a member of the Texas Tech University Health Sciences Center faculty since 1971, has been dean since 1974. He is a member of the original faculty. As a full professor, he will continue his teaching and clinical activities and will also devote some time to the preparation of a history of the TTUHSC School of Medicine.

In making the announcement, Cavazos, who is president of Texas Tech University as well as of the health sciences center, commended the "solid contribution Dr. Tyner has made in the development of the medical school."

"I have deeply appreciated working with Dr. Tyner for the past 16 months," Cavazos said. "Texas Tech is greatly indebted to him for his devoted service."

Under Tyner's leadership, medical school campuses have been developed in Lubbock, Amarillo and El Paso, and planning has begun for the opening of a fourth Regional Academic Health Center in the Permian Basin.

During his deanship, the school has advanced from two approved residencies in family practice and a class level of 40 entering students to 22 accredited residencies offering 181 positions in 11 medical specialties; five doctoral programs in the basic sciences, and approval to admit 100 medical students per class.

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Tyner called the past decade "the most rewarding and gratifying of my academic career" and described the selection of Hartman as interim dean an "excellent" selection.

Hartman is a graduate of Iowa State University and Northwestern University School of Medicine. He has been a member of the University of Michigan faculty and was chairman, Department of Orthopaedic Surgery, Cook County Hospital, Chicago, before joining Texas Tech as professor and chairman of orthopaedics in 1971.

He is a diplomate of the American Board of Orthopaedic Surgery. Since 1978 he has been a member of its national 12-member board, responsible for quality control of orthopaedic residencies and for the eligibility requirements of candidates for board certification.

He is a member of the American Orthopaedic Association, the Association of Bone and Joint Surgeons, the American Academy of Orthopaedic Surgeons, the Clinical Orthopaedic Society and the Western Orthopaedic Association.

Hartman is the author or co-author of more than 20 publications, texts and films, is active in clinical research and is the co-developer of the changing axis knee brace.