

# ON CAMPUS

## Happenings

### FRIDAY

**Pre-Law Society**, representatives from the University of Texas Law School, 8 a.m.-5 p.m., UC 1st floor  
**Baptist Student Union**, "Noondays" Worship, noon, Baptist Student Center, 414 West St.  
**Eclectic Jam**, live taping of the band "Howling Derivatives," noon, Geoscience 147  
**Koinonia**, All-you-can-eat luncheon; \$1, noon, Church of Christ Student Center  
**Wesley Foundation**, Noon Lunch, \$1.00, noon, Wesley Foundation, 311 W. Border  
**Association of Mexican American Students**, meeting, 1 p.m., UC Palo Pinto Room  
**Karate Club**, workouts, 1-2 p.m., Swift Center gym  
**Muslim Students Association**, Friday Prayer, 1:30 p.m., Islamic Center, 400 S. Pecan  
**Faculty Fridays**, Mary Lynn Crow presents, "Instructional Strategies on Case Studies and Trigger Incidents," 2-4 p.m., Library basement, suite 2; refreshments served  
**Latin-American Student Association**, meeting, 2-3 p.m., UC San Jacinto/Neches Rooms  
**Hillel**, general meeting, 2:30 p.m., University Hall 521  
**Baptist Student Union**, Inner City Kid's Klub, 3:15 p.m., Baptist Student Center, 414 West St.  
**Instructional Television Services**, "Eclectic Jam: A video music show featuring local live bands," 6 p.m., Channel 24  
**W.A.R.P.S./Conflict Simulation Club**, Wargames, 6 p.m., UC San Jacinto Room  
**University Catholic Community**, Homemade Pizza and Games Night; \$1, 7:30 p.m., Catholic Student Center, 303 Lampe  
**SATURDAY**  
**Muslim Students Association**, Salat with Jamat, five times daily, Islamic Center, 400 S. Pecan; call 460-6645 for times  
**Muslim Students Association**, speaker Dr. Jamal Badavi, "Quran," 1:30 p.m., UC Rio Grande Ballroom C; call 460-6645  
**SUNDAY**  
**Muslim Students Association**, Salat with Jamat, five times daily, Islamic Center, 400 S. Pecan; call 460-6645 for times  
**University Catholic Student Community**, Mass: 9:30 & 11 a.m., 7 p.m.; Adult Class: 9:30 a.m., UCC Chapel and Student Center, 303 Lampe St.  
**Delta Sigma Theta**, meeting, 3 p.m., Delta House  
**MONDAY**  
**Muslim Students Association**, Salat with Jamat, five times daily, Islamic Center, 400 S. Pecan; call 460-6645 for times  
**Baptist Student Union**, Ministry Team meeting, noon, Baptist Student Center, 414 West St.  
**Karate Club**, workouts, 1-2 p.m., Swift Center gym  
**Maverick Fencing Club**, informal practice, 3-5 p.m., Activities Building cafeteria  
**Baptist Student Union**, Freshman Council, 4 p.m., Baptist Student Center, 414 West St.

## Briefs

A reception honoring UTA's Dr. Malcolm Mclean and his latest publication in "Papers Concerning Robertson's Colony in Texas Volume XI" will be 2-4 p.m. Oct. 21 on the Library sixth floor.

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**Marketing and Management of Residential Property** emphasizes day-to-day operations of residential properties. The course runs from Oct. 21-27 and is sponsored by the Dallas-Fort Worth chapter of the Institute of Real Estate Management. The fee is \$510 and includes all materials needed except a Hewlett Packard 12C calculator. For more information call 348-5421.

\*\*\*  
 Area businesses wishing to participate in the **Homecoming 1984** city displays contest should decorate their place of business. Judging, which will be for the categories of stationary floats and decorations, will occur Oct. 26, 10 a.m.-2 p.m. Plaques and free Shorthorn advertisements will be awarded. Winners will be announced at the Homecoming game and the all-school dance. For more information, contact Brad Taylor at 461-1807.

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 Robert H. Stewart will discuss **UTA's sciences integrated in the space program** from 12:30 to 2:30 p.m. Wednesday, Oct. 24, in University Hall 108.

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 Recreational Sports is sponsoring a **Halloween office decoration contest** from 10:30 a.m. to 2:30 p.m. Wednesday, Oct. 31. First-, second- and third-prize trophies will be awarded. For information, call Donna Frederick at 273-3277.

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 Dr. John Seta, a psychology professor at the University of North Carolina at Greensboro, will speak at a colloquium in Life Science 424 Monday at 2 p.m. Seta, a 1976 UTA graduate, will cover his last eight years of research in "A Personal Equity Analysis of Outcome Value."

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**Women in Communication, Inc.** will meet at noon today in Fine Arts 255. Anyone may attend.

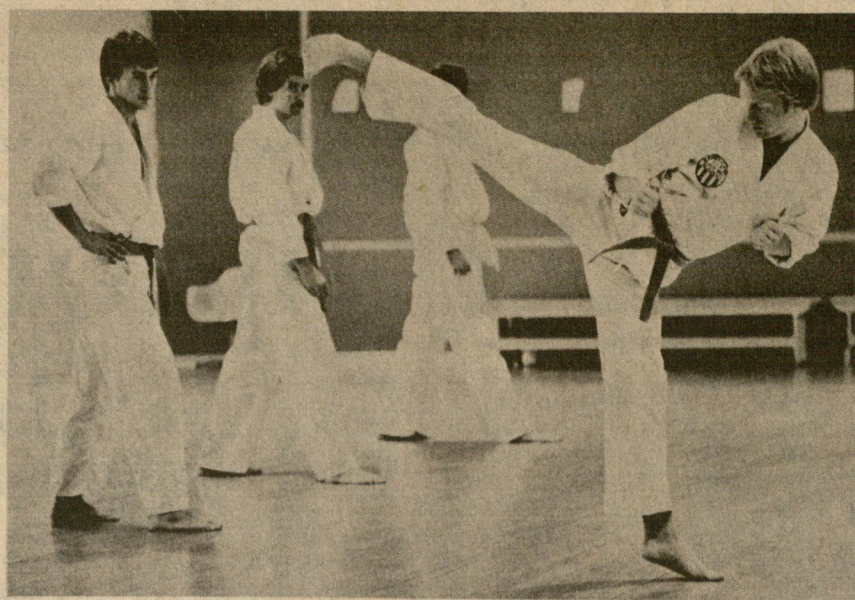
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 The Medical/Dental Preparatory Association will give tours of the new **Health Professions Resource Center/Library** from noon until 4 p.m. Wednesday in Life Science 114. The open house includes refreshments. For information call Nan Nelson at 273-2535 or Ed Morton at 273-2309.

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**UTA shuttle buses** will run passengers to and from the homecoming bonfire Friday, located at the intersection of Interstate 20 and Highway 30. The bus will leave every 20 minutes from 7 to 10 p.m. Anyone may ride free by meeting in the Davis Hall Parking lot, Cooper Street. The last bus returning to campus will leave the bonfire at 1 a.m.

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**Engineering alumni** will host a reception at 2 p.m. Oct. 27 in the University Center Palo Duro Lounge, serving refreshments. For information call Jeffrey Steele at 249-0150.

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 The **Nursing Constituency Council** will host an open house Oct. 27 at 2 p.m. in the Nursing Building sixth floor. For reservations call Mary Mounce at 273-2776. RSVPs are requested.

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 The **UTA Acappella Choir** will present a free concert at 3 p.m. Oct. 28 in the Fine Art Building, Irons Recital Hall. Fort Worth Symphony members will accompany the choir. For information call 273-3471.



SHORTHORN: Mark Johnson  
 Brad Beckham demonstrates martial arts techniques to members of the Karate Club in Swift Center.

## Homecoming-on-the-mall: Freewheelers, food, prizes

by Karen Shuman

Shorthorn Staff

Get out your organization T-shirts and show your colors.

The group with the most members wearing colors will win a six-foot submarine sandwich during the Homecoming-on-the-mall enrichment hour Wednesday at noon.

"We want groups to show up in their uniforms. We don't care if they just paint on a T-shirt," Cristy Cooper-Williamson of Activities and Organizations said. "It's to get people in a festive spirit. It's a big university celebration to kick off Homecoming week."

Participating groups might include the different schools (such as nursing students in their lab coats), dorm residents, intramural teams, ROTC cadets and Greeks.

The enrichment hour will include demonstrations by the Freewheelers and Sam Houston Rifles.

"We'll have at least four or five people do a slalom course," said Jim Hayes, director of Handicapped Student Services. "We want to get more of the guys involved."

Williamson said of last year's Freewheelers response that "there were people clapping their hands and cheering. The wheelchair athletes show some really dynamic skills."

Sam Houston Rifles adviser Maj. Michael Applewhite said nine "Jodies" will perform at 12:45 p.m.

"We'll do a standard competition performance, which includes a series of complex movements like rifle throws," Executive Officer Richard Raine said. "It's kind of a tune-up for the state competition at Texas A&M next semester."

An eight-member team won first place at the competition in 1983.

At 1 p.m. judges will disperse to the dis-

play-building sites to decide which group has the most people working on the display. The group with the most participants also will win a six-foot submarine sandwich.

Leather and Lace, a band that plays a variety of music, will perform on the mall from noon to 1:30 p.m. Hamburgers will sell for \$1, \$1.50 with a drink and chips.

Also kicking off Homecoming week is an open house for the Health Professions Resource Center and Health Professions Club, sponsored by the Medical/Dental Preparatory Association, Wednesday from noon to 4 p.m. in Life Science 114. Representatives from various health professions will be available for questions.

Other open houses begin at 2 p.m. Oct. 27. The College of Business Administration will hold its reception in University Center, while the liberal arts alumni reception in the Dry Gulch will include a video tape depicting major fields of study in the college.

The Engineering Constituency Council will hold its alumni reception in the University Center Palo Duro Room in conjunction with the engineering open house.

The School of Nursing open house will be 2-3 p.m. in the Nursing Building sixth floor lobby.

Other alumni events include the Homecoming Band and alumni picnic, to begin at Maverick Stadium at 11:30 a.m. Oct. 27. Members of the Marching Band and Alumni Band will join each other for lunch following the rehearsal.

The Alumni Association and Maverick Club barbecue will be held prior to the football game at the area west of the Activities Building, 4:30-6:30 p.m. A country and western band will play, and Coach Chuck Curtis will give a short pep talk. The barbecue, to be provided by Spring Creek Barbecue, will cost \$5.

## Brain's mysteries explored

by Beaux Graham

Shorthorn Staff

Do you know how your brain works? Assistant Professor Dan Levine thinks he may have a handle on it from a mathematical standpoint.

Technology has created an "explosion of knowledge about the brain," Levine told about 45 students and faculty here Wednesday as part of Pi Mu Epsilon's Dunsworth Lectures. Much has been discovered about how individual components of the brain work, he said, but little is known on how the parts work together.

New research in biochemistry, electrochemistry, experimental psychology, neurophysiology and clinical studies have added to this knowledge.

Levine said that from the mathematical theoreticians' view, since they have no interest in one particular area, they can, "with some arrogance," take data from all the fields and integrate that into a picture of how the brain works.

Levine became interested in biomathematics almost accidentally. As a graduate student at MIT, he worked for the National Institute of Health and was allowed to choose his study area. He decided on the brain for the "glamour" of the research.

Selective perception is one of the concepts that interests Levine. Through selective perception, the brain enhances important stimuli while ignoring unimportant input or

"noise" received through sight, sound, smell and touch.

When the brain repeatedly receives patterns of stimuli and associates them with positive or negative reinforcement, they will be enhanced and stored for later recall, he said.

This was first shown in 1926 by Ivan Petrovich Pavlov's dog experiments. A dog was shown food at the same time a bell was rung. The dog, in anticipation of being fed, salivated. After repetition of the paired stimuli of bell and food, the dog salivated in response to the bell alone.

Selective perception can be altered or influenced by environment. In an experiment conducted in the '70s, kittens were raised in an environment that was decorated only in vertical stripes. When a wall with horizontal stripes was placed in the habitat, the cats bumped into that wall because their brains had developed a blindness to horizontal stripes.

One thing that Levine emphasized was the difference between the brain and a computer.

Although a computer is much faster and has total recall, it can do only what it's told. It has no imagination or creative qualities. Gains made in biomath toward understanding the brain have potential industrial applications in artificial intelligence by allowing computers to work more like the human brain, he said, and in robotics through application of learning techniques.

## EE prof receives fellowship

by Bill Muller

Shorthorn Staff

Electrical engineering Assistant Professor George Kondraske has received a \$5,000 Texas Engineering Experimental Station fellowship for his work in computerized functional assessment.

Kondraske directs a project that has developed tests to measure a broad range of sensory and motor functions in individuals. The system is being tested for the assessment of the handicapped and victims of neuromuscular diseases and may be marketed.

"Our main goal was to develop an objective system," said Kondraske. "Most of the methods of assessing motor skills are basically subjective. We're trying to develop a system that will provide quantitative evaluation for motor and sensory skills."

It took Kondraske, who has a Ph.D. in biomedical engineering, more than four

years to develop the hardware and software aspects of the system, which combines high-tech computer systems with unique sensors and stimulators.

Though the system is being used exclusively with the handicapped so far, Kondraske says it has many other applications.

"This device can be used in a number of ways," he said. "One that comes to mind is in sports medicine, where an athlete can be tested to see if he has recovered from an injury, and if he is able to return to play."

"We're developing this system to be used with whatever applications there are. It's not just for the handicapped."

Kondraske said the device should not be regarded as a direct aid to the handicapped but as an indirect aid for the clinician evaluating sensory and motor functions.

"We wanted to standardize the system of evaluation," he said. "I really think this is an important development in the field."



## Silky Way

The newest silk flower shop in Arlington

FALL SALE '84

Up to 20% discount on EVERYTHING in display. Items include all the arrangements, plants, trees, silk & dried flowers, containers, football mums, gifts, and our latest variety of Christmas decorations. No prices raised, no gimmicks. Free arrangement with purchase. Your own containers welcomed.

Mon.-Sat. 10-6 Sale ends Oct. 31, 1984

2235 S. Cooper (next to Kroger) 277-5422

## Halloween Costumes

FOR GHOULS & BOYS & MUMMIES & DADS

### Complete Costumes

Clowns, Arab and belly dancers, caveman and cavewoman, Playgirl bunny, jail bird, French maid.

### OR

### Accessories

Top hats, wigs, noses, cat ears, makeup, leotard tights, bunny ears and tails, pirate shirts, masks.



Let our costume specialists help you select the right look this Halloween

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**HALE'S**  
 & BEVERLY  
 Costumes

2902 Race Fort Worth 838-7126

## Make plans to ATTEND SERVICES

The following churches and synagogues invite you to attend services and get acquainted.

### ADVENTIST

**ARLINGTON SEVENTH-DAY ADVENTIST CHURCH** — 1500 W. Pioneer Parkway. Services on the seventh-day Sabbath (Saturday): 9:30 and 11 a.m. Young adult and University Sabbath School. Paul Moore, Pastor. 429-3001. Bernie Molnar, Campus Minister, 861-1593.

### ASSEMBLY OF GOD

**EVANGEL TEMPLE** — Highway 303 at S.W. 3rd, Grand Prairie 264-6245. Sun. School 9:30 a.m. Worship 10:45 a.m., 6 p.m., Wed. 7:30 p.m., Dial-a-Prayer 642-0801. Glen Jenkins, Pastor.  
**BETHEL ASSEMBLY** — 2300 East Park Row, 265-2041. Services: Sunday School 9:30 a.m., Worship 10:30 a.m., Evening praise 7 p.m., Wed. 7:15 p.m. A large percentage of our attendees are college age.

### BAPTIST

**CENTRAL BAPTIST CHURCH** — Invites you to be our guest this Lord's day morning for our services. Then stay for a meal courtesy of our college age group. Come join a growing fellowship of exciting young Christians. We are located at 311 E. Third. Services: 10 a.m. and 11 a.m., 6:30 p.m.  
**LAKE ARLINGTON BAPTIST CHURCH** — 2912 Little Rd., 451-4110. Sunday Worship 8:30 a.m., 11 a.m., 7 p.m., College Bible Study 9:45 a.m., Wed. Night Meal 5:30 p.m. Making a difference.

**UNIVERSITY BAPTIST CHURCH OF ARLINGTON** — 1013 W. Park Row, 460-7577. Sunday worship: 10:50 a.m. and 7:15 p.m.

### CATHOLIC

**ST. VINCENT DE PAUL CATHOLIC CHURCH** — 5819 W. Pleasant Ridge Rd., 478-8206. Sunday Mass 9:15 a.m., 10:45 a.m., and 12:15 p.m., Saturday Mass 6:15 p.m.

**UNIVERSITY CATHOLIC COMMUNITY** — Lampe & South Street. 460-1155. Masses: Sunday 9:30 & 11 a.m. & 7 p.m. Wednesday 12:10 p.m.

### CHRISTIAN-DISCIPLES

**CHRISTIAN CHURCH (DISCIPLES OF CHRIST)** — 910 S. Collins, 274-2634. Worship services 8:30 a.m., 10:45 a.m. Sun. School 9:45 a.m. Programs for University students, single and young marrieds. 'We approach faith with reason and by faith go beyond reason.' Dr. Arthur Digby, Senior Minister. Campus Minister, Ed Kale, 275-6073.

### CHURCH OF CHRIST

**NORTH DAVIS CHURCH OF CHRIST** — 1601 N. Davis, 277-6347. Services: Bible classes 9 a.m., Morning worship 10 a.m., Sunday evening 6 p.m. John Featherston, Minister

**PARK ROW CHURCH OF CHRIST** — 915 W. Park Row, 277-1333. Near Arlington High & UTA. Bible study 9 a.m., Worship 10 a.m., 6 p.m., Wed. Fellowship Dinner 5:30 p.m., classes at 7:30 p.m. David Sampson, Minister. College Students Welcomed!

### INDEPENDENT CHRISTIAN

**ARLINGTON CHRISTIAN CHURCH** — 5200 S. Bowen Rd., 465-5693. Worship 8:15 a.m., 10:45 a.m., 6 p.m. Bible Study Sun. 9:30 a.m., Wed. 7 p.m. "Don't watch us grow — come grow with us." Dick Rush, Minister. John Haak, Youth Minister.

### INTER-DENOMINATIONAL

**TRINITY CHURCH OF ARLINGTON** — 478-5081. The single ministry of Trinity Church invite you to meet new friends and experience the joy of personal growth.



**FAITH CHAPEL CHURCH** — (Spirit filled), 510 Summit, 274-1931. Services: 9:45 a.m., 11 a.m., 7 p.m., Wed. 7:30 p.m. Everybody Welcome. Lee Michener, Pastor.

### JEWISH

Jewish cultural and social activities for families and singles. Call Mid-Cities Jewish Community Center. 275-7372.

**BETH SHALOM CONGREGATION** — Friday Services at 8 p.m. in Curtis Mathes bldg. on 318 W. Main St. For more information call 860-5448.

### LUTHERAN

**PRINCE OF PEACH LUTHERAN CHURCH** — Martin Luther & Browning Dr. Sunday Worship 8 a.m. & 10:30 a.m. Education hour - 9:15 a.m. Currently organizing a young adult fellowship. For information call 274-5111.

### METHODIST

**ALDERSGATE UNITED METHODIST** — 2201 E. Park Row, 274-0116. Sunday services: Church school 9:30 a.m., Worship 10:40 a.m., 6:30 p.m. UTA students welcome! Call for transportation.

### NAZARENE

**EAST PARK CHURCH OF THE NAZARENE** — 2222 E. Park Row Dr., 275-3168. Sunday School 9:45 a.m., Morning Worship 10:50 a.m., Evening 6 p.m., Wednesday 7 p.m. Rev. Mark Fuller, Minister.

**FIRST CHURCH OF THE NAZARENE IN ARLINGTON** — 1516 W. Pioneer Pkwy., 274-7762. Sunday School 9:45 a.m., Morning Worship 10:45 a.m., Evening 6 p.m., Wednesday 7:30 p.m. James Tapley, Sr. Pastor. John Rivas, Youth Director.

### NON-DENOMINATIONAL

**ARLINGTON CHRISTIAN FELLOWSHIP** — Come worship with us. A fellowship of Christians who are committed to loving one another and who desire to share this love with you. 10 a.m. services. 406 Summit Ave. (within walking distance to UTA) 277-9616.

**UNITY CHURCH OF ARLINGTON** — 3525 S. Bowen Rd., (¼ mile north of I-20). Sunday Services: 9 a.m. and 10:30 a.m. Teaching skills for living.

### PRESBYTERIAN

**FIRST PRESBYTERIAN CHURCH** — 1200 S. Collins, 274-8286. Worship at 9:25 and 10:55 a.m. College age Sunday school at 10:55 a.m. Dr. Marion Condit, Pastor, Dr. Larry Thomas, Associate Pastor for college ministry, Rev. Leila Power, Associate Pastor.

### RELIGIOUS SCIENCE

**SCIENCE OF MIND CENTER AND METAPHYSICAL BOOKSTORE** — 1815 S. Fielder Rd., 469-8211. Bookstore hours: 2-6 p.m., Sunday lecture: 11 a.m. "The power of God within you works miracles!"