

# Six options being offered in industrial engineering

Six industrial engineering options are instructed this Fall at A&M to 1,878 student enrollments by a 42-member faculty including 11 new professors and instructors.

The Industrial Engineering Department headed by Dr. A. W. Wortham added five assistant professors, a research associate and five instructors.

New assistant professors and their division assignments are Dr. Don W. DeMichele and Dr. Roy L. Curry, operations research; Dr. Richard D. Huchingson and Dr. James K. Hennigan, human factors; and Paul N. Hale, Jr., maintainability engineering.

Departmental divisions include computer and information science under Dr. Dan Drew; human factors, Dr. Newton Ellis; industrial operations, Dr. A. R. Burgess, biochemistry and systems safety, Dr. A. M. Mayyasi; operations research, planning and control, Dr. Wilbur L. Meier, and the extension division which conducts the maintainability engineering program for the Department of the Army at Texas A&M, under Dr. R. L. Street.

Dr. Dick B. Simmons, with extensive background in computer circuit and logic design, system analysis and programming with RCA, the U. S. Army Strategic Communications Command and Bell Telephone Laboratories,

joined the department staff as a research associate.

Working with Drew and Wortham, he will have charge of a scientific computing program, assisting other A&M departments and faculty with problems in computerizing operations.

Five new department instructors, all with the Ph.D. in progress, are assigned in the various divisions and, with other industrial engineering faculty members, instruct a new undergraduate computer science course, Computing Science 201.

Attracting students from a variety of disciplines and majors, the course enrolled 700 students this Fall. The department enrolls 605 graduate students and 1,273 undergraduates.

The instructors are Charles W. White, Darrell L. Ward, James C. Helm, Stedman E. (Ted) Cary and Stanley A. Brooking.

DeMichele, 34, completed the Ph.D. in nuclear engineering with minors in systems analysis and operations research last summer at the University of Arizona. The University of California graduate who also took his masters at Berkeley has worked at the Los Alamos, N.M., Scientific Laboratory, Gulf General Atomic and through Cal Tech the Jet Propulsion Laboratory.

Curry, 29, holds degrees in math from Oklahoma and Wich-

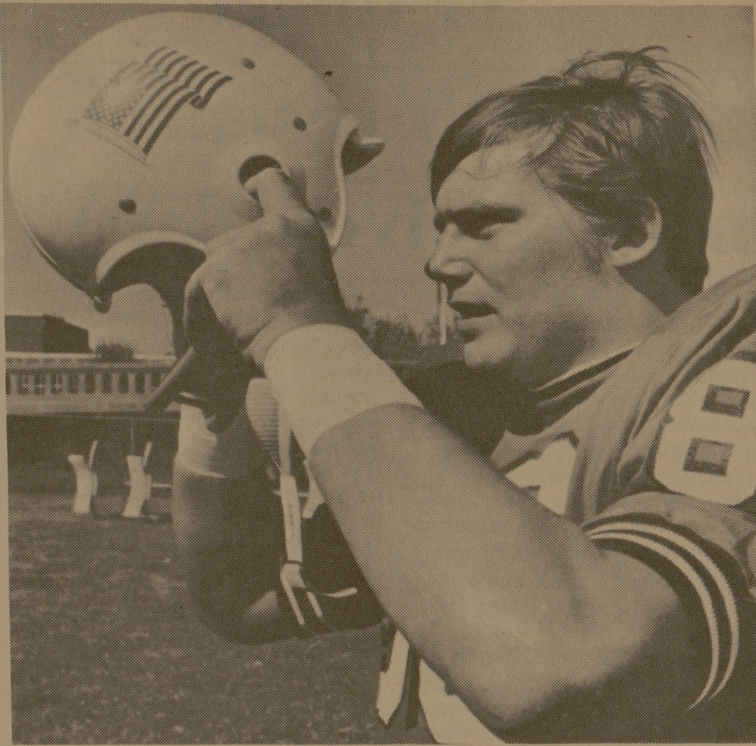
ita State and is completing Ph.D. requirements at the University of Arkansas. The Illinois native has had industrial experience as an operations research analyst with Sun Oil and the Boeing Company.

Recipient of Bachelor and master's degrees at Lamar State and Arkansas, Hale worked for the Ethyl Corp., Western Electric and directed a state technical services program in Louisiana, plus being vice-president of a technical consulting firm. He taught at Arkansas and Louisiana Polytechnic Institute and has been an A&M instructor while doing 4.0 grade point ratio work toward the Ph.D.

Employed continuously since 1955 in human factors engineering, Hutchingson has degrees from Oklahoma, Arkansas and TCU, with additional work at the University of Illinois and William and Mary.

Hennigan, 38, received all his industrial engineering degrees at A&M, completing the Ph.D. in human factors last summer. He has been a research assistant and instructor in the department since 1966.

A 1959 A&M graduate, Simmons was with Bell Telephone in Naperville, Ill., as a technical supervisor before joining the department staff.



IT'S FLAG FOOTBALL all over again for Cookie Brinkman, a senior end on the University of Louisville football team. Head coach Lee Corso, who decided to place decals on both sides of the helmet insists there is no political motivations behind the unique designs. Corso says his team will be the only one in the country with flag decals. (AP Wirephoto)

## Popular vote plan loses critical vote

WASHINGTON (AP)—Supporters of a constitutional amendment

for electing the president by direct popular vote lost a critical round in the Senate Thursday but maintained they still have a chance of winning.

A 54-36 vote fell 6 short of the required two-thirds majority for putting the debate-closing closure rule into effect and forcing a showdown on the proposed amendment.

Pending an analysis of the vote, Democratic leader Mike Mansfield of Montana reserved decision on whether to let the debate run on or to drop the amendment and turn to other legislation.

"I don't want to go through an exercise in futility," he said. "I don't believe in putting on a charade for the benefit of any group."

Sen. Birch Bayh, D-Ind., chief Senate sponsor of the direct election plan, said he would try to keep it alive. "I don't intend to play dead," he told newsmen.

The proposed amendment would abolish the Electoral College and provide that a presidential candidate receiving 40 per cent or more of the popular vote would be elected. If no candidate received 40 per cent, a runoff election would be held between the two front runners.

The House approved the amendment by a 339-70 vote almost exactly a year ago and President Nixon subsequently endorsed it. To take effect, even if approved by the required two-thirds margins in the Senate, it would have to be ratified by 38 of the 50 state legislatures.

The move to cut off the Senate debate that began Sept. 8 was initiated by Mansfield two days ago and provided the first test of strength between the opposing sides.

It was not a clear-cut test, however, since Sens. Alan Bible, D-Nev., and Robert D. Byrd, D-W. Va., who are among the sponsors of the direct election amendment, voted against closing out the debate.

## Jordanian army hits guerrillas

LEBANON (AP) — King Hussein's army threw armored might at Palestinian guerrillas across Jordan on Thursday in a move to crush an uprising against the desert nation's new military regime.

By nightfall, the Army claimed it had broken guerrilla resistance in Amman and the guerrilla stronghold of Zarqa, 15 miles northeast of the capital.

But troops continued to battle guerrillas house to house. An indefinite curfew was imposed in Amman, and government broadcasts warned the city's 600,000 people that anyone on the streets would be shot on sight.

Many casualties were reported on both sides, and guerrilla officials in Beirut spoke of "hundreds of martyrs." Numerous civilians were killed in the cross-fire between army troops and Palestinians.

Army communiques said Jordanian troops controlled 16 districts in Amman and were mopping up guerrilla pockets of resistance. Elsewhere, they said, the army was moving with success to re-establish order. They also reported guerrilla defections.

But a guerrilla broadcast from Damascus, Syria, denied the claims and said the Palestinians held the northern third of Jordan from Jerash, 25 miles north of Amman, to the Syrian border. It added that the reported defectors were only "wounded men who have been captured."

Hussein's army totals about 55,000 men while the guerrillas' rolls lists 32,000. But the latter are scattered and their organization is splintered and disordered.

Late Thursday afternoon, after daylong fighting that sent billows of black and gray smoke swirling over Amman, the military government urged the guerrillas to evacuate the capital and move up to the cease-fire line with Israel "while the chance is still open to you."

"Save your lives and the lives of civilians," the army broadcast said. "We shall facilitate your

transfer to the front."

The guerrillas, who proclaimed earlier that it was "a fight to the finish," rejected the proposal and called on their forces to seal off Amman with roadblocks and mines.

Secretary of Defense Melvin R. Laird said in the United States that his government was prepared to evacuate Americans from Jordan. But the Defense Department stressed that the position on this was unchanged from previous statements noting that Air Force planes were standing by in Turkey for use in case it was necessary.

SECRETARY OF DEFENSE MELVIN R. LAIRD SAID IN THE UNITED STATES THAT HIS GOVERNMENT WAS PREPARED TO EVACUATE AMERICANS FROM JORDAN. BUT THE DEFENSE DEPARTMENT STRESSED THAT THE POSITION ON THIS WAS UNCHANGED FROM PREVIOUS STATEMENTS NOTING THAT AIR FORCE PLANES WERE STANDING BY IN TURKEY FOR USE IN CASE IT WAS NECESSARY.

SECRETARY OF DEFENSE MELVIN R. LAIRD SAID IN THE UNITED STATES THAT HIS GOVERNMENT WAS PREPARED TO EVACUATE AMERICANS FROM JORDAN. BUT THE DEFENSE DEPARTMENT STRESSED THAT THE POSITION ON THIS WAS UNCHANGED FROM PREVIOUS STATEMENTS NOTING THAT AIR FORCE PLANES WERE STANDING BY IN TURKEY FOR USE IN CASE IT WAS NECESSARY.

### LORD JEFF



TOWNSHIRE / BRYAN, TEXAS 77801

### DEMOCRATIC REBUILDING COMMITTEE

Dave Shapiro, Director of Organization will speak on "The Democratic Stake in a Two-Party System in Texas"

Come, Listen, Question

Tue., 22 Sept. 7:30 p. m.

Unitarian Fellowship on Wellborn Road

(Paid for by Democrats for a Two-Party Texas.) M. A. O'Conner, Chrm.

### PALACE

Today & Saturday Sidney Poirier in "THEY CALL ME MR. TIBBS"

### CAMPUS

NOW SHOWING Lisa Minelli In "TELL ME YOU LOVE ME, JULIE MOON"

### QUEEN

ADULT ENTERTAINMENT 7:15 - 9:15 p. m. "SPIKED HEELS"

### SKYWAY DRIVE-IN THEATRE

WEST SCREEN AT 7:50 P. M. 2 Clint Eastwood Hits

No. 1 "KELLY'S HERE'S"

No. 2 At 10:30 p. m. "WHERE EAGLES DARE"

EAST SCREEN AT 8:00 P. M.

Last Nite Yvas Monstadt In "Z"

At 10:15 p. m. Tony Perkins In "PSYCHO"

OUR SATURDAY NITE SPECIAL All 3 In Color

No. 1 At 7:45 p. m. "BROTHERHOOD" With Kirk Douglas

No. 2 At 9:50 p. m. "DEATH OF A GUNFIGHTER" With Richard Widmark

No. 3 At 11:35 p. m. "THIS SAVAGE LAND" With Neville Brand

### CIRCLE

TONITE AT 7:45 P. M. "TRUE GRIT" With John Wayne

At 10:00 p. m. "NORWOOD" With Joe Namath

## BATTALION CLASSIFIED

**WANT AD RATES**  
One day - 5¢ per word each additional day  
Minimum charge - 75¢  
Classified Display - \$1.00 per column inch each insertion  
**DEADLINE**  
4 p.m. day before publication

**FOR RENT**  
Very pad. Privacy, Walk to campus. See furniture. Bills paid, \$95. 846-9471. 1213

**RENT A HOME**  
**TRINITY GARDEN DUPLEXES**  
2 Bedrooms  
1 1/2 Baths  
Central Heat & Air  
Fully Carpeted & Draped  
All Electric Kitchens  
Attached Garage with Washer and Dryer Connections  
Privately Fenced Back Yard  
1 Block from Elementary School  
3 Blocks from Proposed High School (Fall '71)  
For Rental Information 846-3988 9ftn

**WORK WANTED**  
Would like to baby-sit. 846-9727. 5ftn  
Tennis racket restringing and supplies. Also tennis racket restringing and supplies. Call 846-4477. 123ftn

Custom Bookbinding, Plastic Spiral Binding, and Gold Stamping of Books, Journals, Theses, Dissertations, and Reports.  
**UNIVERSAL BINDERY**  
311 Church Street, College Station - 846-3840 11ftn

**AUTO INSURANCE FOR AGGIES:**  
Call: George Webb  
Farmers Insurance Group  
3496 S. College 823-8051

**Havoline, Amalie, Conoco. 34c qt.**  
EVERYDAY  
We stock all local major brands. Where low oil prices originate.  
Quantity Rights Reserved  
Wheel Bearings - Exhausts System Parts, Filters, Water and Fuel Pumps. Almost Any Part Needed 25-40% Off List  
Brake Shoes \$3.60 ex. 2 Wheels - many cars  
We Stock EELCO EDELBROCK HURST MR GASKET CAL CUSTOM Other Speed Equipment

**Starters - Generators**  
Most \$13.95 each  
Your Friedrich Dealer  
**Joe Faulk Auto Parts**  
220 E. 25th Bryan, Texas

**JOE FAULK '32**  
24 years in Bryan

**OFFICIAL NOTICE**  
Official notices must arrive in the Office of Student Publications before deadline of 1 p.m. of the day preceding publication.

It is now time for all Corps Accounts, Civilian Government Organizations, Departmental and Professional Clubs, Hometown and International Clubs, Honor Societies, MSC Advised Account, Sports Clubs, Student Body Governing Organizations, and Service Organizations to apply for Official Recognition by the University, at the Student Finance Center, MSC, 2-12, 1-4, Mon. - Fri. Deadline October 1, 1970. 8t16

**WANTED**  
Female roommate to share two bedroom duplex. Call Taffit, 846-9036 after 5. 9ftn  
Guitar in good condition. Prefer Yamaha. Hohner, Greco, or Goya. 823-0632. 9t4

WE BUY ALMOST ANYTHING—AGGIE DEN (next to Loupot's). 135ftn  
We buy magazines, pocket books, tapes, tape decks, etc. We buy almost anything of value—Aggie Den (next to Loupot's). 135ftn  
We buy used magazines, pocket books, playboys.—Aggie Den. 135ftn

**CHILD CARE**  
Child care with experience; need new recruits. 846-6536. 135ftn  
RUMPTY DUMPTY CHILDREN CENTER, 3400 South College, State Licensed, 823-8626. Virginia D. Jones, R. N. 99ftn  
Child care in my home by the week, nights, and weekends by appointment. Excellent facilities, playground equipment, registered nurse in charge. 846-3928. 132t21

**RUMMAGE SALE**  
Friday, Sept. 18, 3 to 6 p. m. Saturday, Sept. 19, 7:30 to 12 noon. A&M United Methodist Church, College Station. Sponsored by the Women's Society of Christian Service. 10t3

**HELP WANTED**  
For set up and installation for mobile homes. Will consider two or three day week man. Inquire in person, Nelson Mobile Home, 811 South Texas, College Station. 9ftn  
INTERESTED IN MAKING \$50 to \$75 PER WEEK WORKING OWN HOURS. CALL 846-4781 BETWEEN 6 AND 7 P. M. 9t4

Students work full or part-time. \$3 per hour guaranteed and chances that a car and scholarship are being offered. For information and interviews, call 823-1236 or 823-0106. 138t30

**TROPHIES PLAQUES**  
Engraving Service  
Ask About Discounts  
**Texas Coin Exchange, Inc.**  
1018 S. Texas 822-5121  
**COINS SUPPLIES**  
Bob Boriskie '55

**DR. G. A. SMITH**  
Optometrist  
Specializing in eye examination & contact lenses  
DIAL 822-3557  
DOWNTOWN BRYAN

- Watch Repairs
- Jewelry Repair
- Diamond Senior Rings
- Senior Rings Refinished

**C. W. Varner & Sons**  
Jewelers  
North Gate 846-5816

**ENGINEERING & OFFICE SUPPLY CORP.**  
• REPRODUCTION & MEDIA — ARCH. & ENGR. SUPPLIES  
• SURVEYING SUPPLIES & EQUIPMENT — OFFICE SUPPLIES  
• MULTILITH SERVICE & SUPPLIES  
402 West 25th St. Ph. 823-0939 Bryan, Texas

### FOR SALE

**PENNEY'S**  
Downtown Bryan Mens Sport Coat  
**SALE**  
Thru Saturday Only  
Reg. \$39.95  
year around weights  
Now \$33.99 10t3

Frigidaire air-conditioner, 220 volts, 1 ton \$75.00. Call before 5 at 823-0368. 9t4  
Gold Opel GT 1969. \$2400. Call 846-4489 after 5. 9t4

Tapes, tapes, 8 track - brand new, guaranteed perfect - latest country western, rock - soul - The very latest releases, all artists - Fantastic prices - only \$4.75 each - Tell your friends about this deal—Aggie Den. 9ftn  
Raquel Welch posters - new release - beautiful - also many new red hot posters arriving daily - Come see—Aggie Den 9ftn

Girlie films - Beaver - 8M black and whites - 200 foot rolls—regularly \$30.00 per roll, now 3 rolls for \$25.00. Limited supply—Aggie Den. 8ftn  
AKC Belgian sheepdog. \$100 or best offer. 846-6747. 8t5  
12 x 60 mobile home. Call 822-1462. 6ftn

**TOTAL ENVIRONMENT**  
Surfboards, Posters, Leather, and More  
Open Daily Thursday  
6 to 10 10 to 9  
29th at Stillmeadow in Wee Village 846-0324 4t14

**POSTERS - POSTERS - POSTERS - POSTERS.** The kind you like—Aggie Den (next to Loupot's). 135ftn  
4 and 8 track tapes, 5 for \$15.00 guaranteed—Aggie Den (next to Loupot's). 135ftn

Bumper stickers - Bumper stickers - Bumper stickers - Bumper stickers - All kinds - Aggie Den (next to Loupot's). 135ftn  
Tape decks, 4 and 8 track tapes, cassette tapes, radios, cassette tape players. Jointed cue sticks, girlie magazines, girlie films, pocket books, party albums, record albums, playboy pin-up posters, watches, T.V.'s. Almost anything. All at real bargains—Aggie Den (next to Loupot's). 135ftn

Japanese made electric guitar. Three pickups, vibrator and case. Worth over \$100.00 but selling for \$55. 845-2803 129ftn

**TRANSMISSIONS REPAIRED & EXCHANGED**  
Completely Guaranteed  
Lowest Prices  
**HAMIL'S TRANSMISSION**  
35rd. & Texas Ave. Bryan 822-6874

GM Lowest Priced Cars \$49.79 per mo. With Normal Down Payment  
**OPEL KADETT**  
Sellstrom Pontiac - Buick  
2700 Texas Ave. 26th & Parker 822-1336

**Rentals-Sales-Service TYPEWRITERS**  
Terms  
Distributors For:  
Royal and Victor Calculators & Adding Machines  
Smith-Corona Portables  
**CATES TYPEWRITER CO**  
909 S. Main 822-6000

### SPECIAL NOTICE

**BILL'S TOP SHOP**  
SEAT COVERS  
VINYL TOPS  
Installation Repairs  
RECONDITIONING  
auto carpets headliners  
1008 W. 25th, Bryan 822-4918 9t4

**HORSES**  
BREAKING-TRAINING  
FOR RIDING-ROPING  
Cutting-Harness  
Barrel Racing  
REGISTERED QUARTERHORSE STUD SERVICE  
Horses Boarded and Stabled  
By Day Or Month  
Reasonable Rates - Modern Facilities

**SHELTON'S HORSE TRAINING FARM**  
MILLICAN, TEXAS  
TRAINER-J. M. SHELTON  
MAILING ADDRESS  
RT. 3, BOX 101-C  
NAVASOTA, TEXAS 77868 8t5

Aggie Den open from 8 a. m. till midnight, 7 days each week. Aggie Den (next to Loupot's). 135ftn

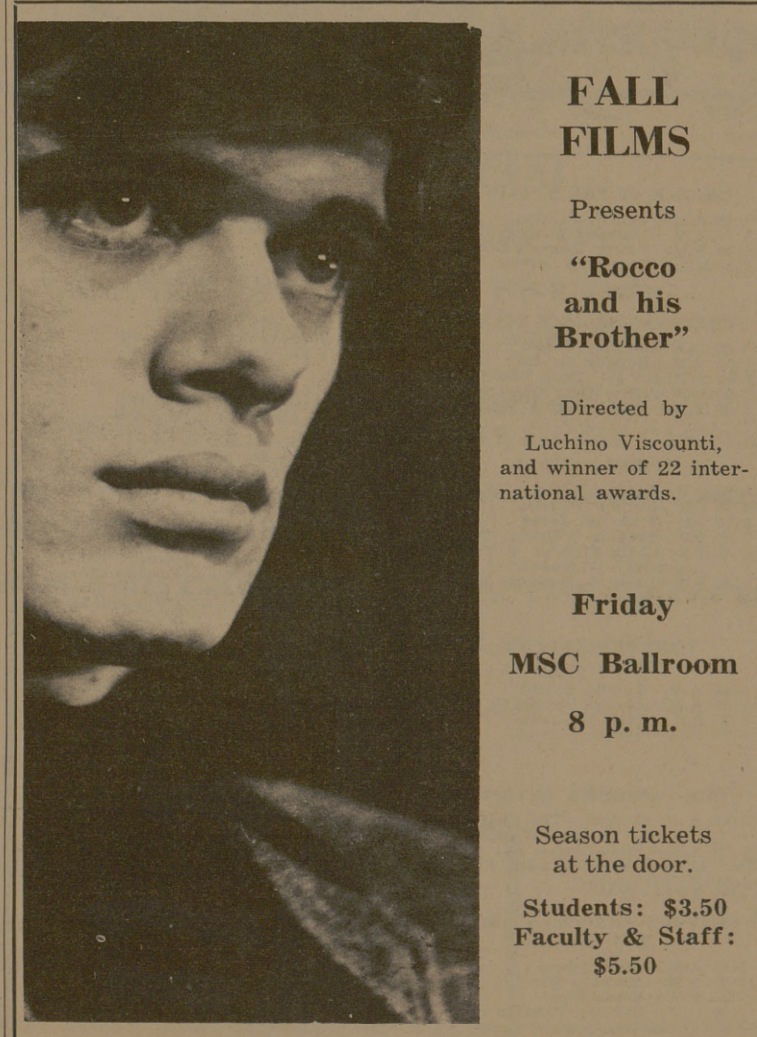
**Service For All Chrysler Corp. Cars**  
Body Work - Painting  
Free Estimates  
**HALESSELL MOTOR COMPANY, INC.**  
Dodge Sales and Service Since 1922  
1411 Texas Ave. - 823-8111

Female students invited to the Aggie Den - from 8 a. m. till midnight, 7 days a week. 135ftn  
Maggies invited to the Aggie Den - Come join the fun - open 8 a. m. till midnight, 7 days a week. 135ftn  
Aggies! - Bring your date to the Aggie Den and enjoy billiards and pin-ball—Aggie Den. 135ftn

Ladies invited to the Aggie Den - Get up a party and come enjoy the Aggie Den. 307 University. 135ftn  
Attention personnel of A&M University. Wood's Furniture Center, 500 Texas Avenue, Telephone 823-9947. This retail furniture outlet offers you the finest in home furnishings at prices that you can't afford to miss. Our motto is "We will not be undersold." The mark of excellence, Wood's fabulous Furniture Center, Bryan, Texas. 135t18

**SOSOLIK'S**  
TV & RADIO SERVICE  
Zenith - Color & B&W - TV  
All Makes B&W TV Repairs  
713 S. MAIN 822-2133

**WHITE AUTO STORES** Bryan and College Station can save you up to 40% on auto parts, oil, filters, etc. 846-5626.



**FALL FILMS**  
Presents  
**"Rocco and his Brother"**  
Directed by Luchino Visconti, and winner of 22 international awards.  
**Friday**  
MSC Ballroom  
8 p. m.  
Season tickets at the door.  
Students: \$3.50  
Faculty & Staff: \$5.50