

Convocation Invitation

To The Faculty, Staff and Students:

This is a special invitation to you, your families and friends to attend the Second Texas A&M University Biennial Convocation at 2 p. m., Saturday in G. Rollie White Coliseum.

Four distinguished alumni of Texas A&M will be honored during the ceremonies. These men are Tyree Bell, J. Harold Dunn, Wofford Cain and H. B. Zachry. Each of these men has made significant contributions to the progress of A&M for many years. They justly deserve our thanks.

Dr. Carey Croneis, Chancellor of Rice University, will be the principal speaker. Another portion of the program will feature the Singing Cadets.

I hope you will join your friends and associates in showing appreciation to the four distinguished former students being honored.

Sincerely,
Earl Rudder
President

Maritime Advances Needed — Johnson

New concepts in answering the question "How do you get the cargo from here to here?" are a major need, U. S. Maritime Administrator Nicholas Johnson told a Graduate Lecture audience Wednesday at the Memorial Student Center.

"There are many things we can do if you let your imagination run wild... we're trying to encourage new concepts," the 30-year old federal executive told an audience of 75 faculty members, students and others.

Congressman Olin E. Teague introduced Johnson as a man "who has crammed more into nine years of adult life than many men accomplish in their entire lifetime."

Johnson praised Teague and also cited the Texas Maritime Academy. Johnson briefly outlined the five programs of the 2,500-member Maritime Administration with its half billion dollar budget and then for almost an hour answered questions. Much attention was given to nuclear propulsion for commercial vessels and other research and development projects.

More than 70 per cent of the administration's research and development budget now is allocated to the Nuclear Ship Savannah which began a world cruise from Houston last May. Johnson indicated a strong desire for additional funding for research and development.

"The future of nuclear propelled passenger ships is the number one question before (varied federal agencies)," he said.

The administrator said the great advantage to nuclear propulsion for shipping is allowing 30-knots speed. But, he pointed out, half the useful life of a ship is spent in port, while providing the additional speed requires more space devoted to power plant. And nuclear shipping costs considerably more.

Now under study by experts is the economics of using nuclear-power ships on the New York City-Far East trade, the longest route for American shipping. Perhaps this study will show that one 30-knot nuclear-powered ship could replace two 15-knots ships, thus offsetting the increased costs of a reactor-powered ship, they speculate.

Johnson said a trade serviced by ships such as the Savannah also would "establish a kind of service no other nation can offer."

"Basically the shipping operation is about the same as it was 2,000 years ago," he noted.

The installation of centralized engine room controls, improved propeller design and other meas-

ures were cited by Johnson as research and development accomplishments improving present concepts.

Cargo-carrying submarines and hydrofoils skimming above the surface of the sea were cited as possibilities under investigation for radical changes in shipping.

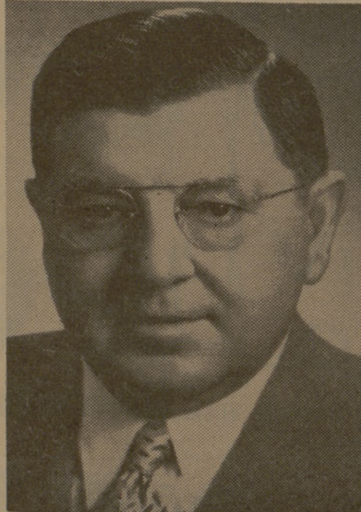
Freshmen Attend English 'Flicks'

Four hundred Aggies attend freshmen English classes unlike anything known to the tens of thousands of Texans who have studied that standard subject.

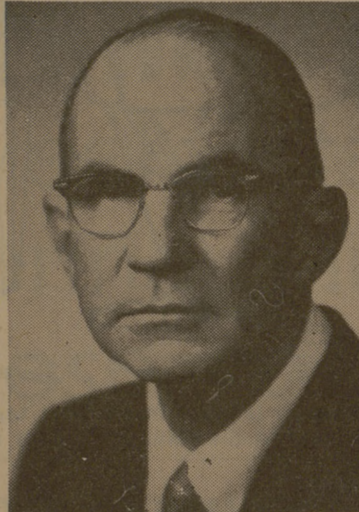
A teaching method so new only a few colleges in the East use it — "with great success" — allows such innovations as lecturing to 200 students at a time and



BELL



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brief quizzes flashed upon a large screen. Students also meet twice weekly in small classes to practice what was learned during the weekly lecture.

The new approach substitutes an overhead projector flashing transparencies upon a screen for the blackboard known to generations of students, but the techno-

logical change involves much more, Dr. Lee J. Martin said.

"It's too early to tell the results here, but we are hopeful," Martin said. He teaches the "screen" sections. As a veteran teacher, however, he misses the personal contact possible in conventional classes.

A&M's progressive Department

of English has begun limited use of the new teaching approach following much study and preparation.

Martin, for example, attended a 10-day seminar in 1963 on the use of the overhead projector in teaching English. Much of this past summer was devoted to preparing the transparent overlays

flashed upon the screen to present information and examples. A typical lecture involves the use of 30 transparencies.

The same material is offered in the "screen" sections and those taught in the conventional manner. "The only difference is in presentation," Martin said.

Students attending the "screen" lectures study materials flashed upon the large screen with vibrant colors emphasizing the more important facts. Drawings and diagrams help a student to grasp the relationships under discussion. "I want to finish talking about the use of detail in writing paragraphs," Martin said as he opened a recent lecture.

Flashed onto the screen was a transparent overlay bearing the explanation, "General: That which includes all of a class." A second overlay was projected, then a third, a fourth and finally a fifth as the thought was developed. Students easily followed the logic that "building" is more specific than "structure" and "house" is most specific.

"Concerning the general and the specific I have a little quiz I'd like you to look at, to take in fact," Martin said a few moments later after projecting varied examples.

The quiz completed within a few minutes, attention turned to another aspect of writing good paragraphs.

Rice Chancellor To Speak

"Success and Failure" will be the subjects of Dr. Carey Croneis, chancellor of Rice University, for the featured address to the second biennial convocation Saturday.

The address is scheduled for 2 p. m. at G. Rollie White Coliseum.

Four former students will be presented Distinguished Alumni Awards during convocation ceremonies. They are Tyree Bell, '13, Wofford Cain, '13, H. B. Zachry, '22, and J. Harold Dunn, '25.

Bell is president of the Austin Road Company in Dallas. Cain is chairman of the board of Southern Union Gas Company in Dallas. Zachry is president and board chairman of H. B. Zachry Construction Company in San Antonio. Dunn serves as chairman of the board of Shamrock Oil and Gas Corporation in Amarillo.

Presentation of the awards will be made by Earl Rudder, president of A&M.

Dr. Croneis will be introduced by Dr. M. T. Harrington, chancellor of the Texas A&M System.

Also featured on the program will be selections by the Singing Cadets. They will sing "You'll Never Walk Alone," the fourth segment of "The Testament of Freedom," and lead the audience in singing "The Spirit of Aggieland."

An open house to selected key facilities will be held from 3:30 to 5 p. m. The Data Processing Center, architecture building, plant sciences building and nuclear reactor are included in the tours.

Also scheduled for the weekend on campus is a meeting of the executive board of the Association of Former Students from 8 to 11 p. m. Friday in room 3-D of the Memorial Student Center. The Association Council will meet at 10 a. m. Saturday in the Assembly Room of the MSC.

A buffet luncheon for the council and guests is scheduled for 11:30 a. m. Saturday in the ballroom of the MSC.

CAMPAIGN TRAILS

Throng, Confetti Greet LBJ In LA

By The Associated Press
Downtown throngs estimated by police at 150,000 gave President Johnson a tumultuous welcome in Los Angeles Wednesday as he rode up Broadway through cascading

confetti and spoke in front of City Hall.

At every intersection from 9th to 1st streets the beaming President gave a short talk.

Generally, his words encompassed young people, the elderly, medicare, economic growth and peace.

The campaigning chief executive said at each stop: "I want you to meet the boss of the President of the United States."

His wife, Lady Bird, in a lime green coat and dark green dress, would stand up, grin and wave at the crowd.

The chief executive arrived by plane from Albuquerque to carry his campaign into Southern California, an area in which his Republican opponent, Sen. Barry Goldwater, is believed to have his greatest strength in the state.

Johnson, seeking California's 40 electoral votes, will be followed into the area Thursday by GOP vice-presidential nominee William E. Miller by Goldwater Friday and Democratic vice-presidential nominee Hubert H. Humphrey on Saturday.

Sen. Barry Goldwater declared in Belleville, Ill., Wednesday that he has been "attacked by extremists for not outlawing extremism," and demanded that Democrats repudiate what he called Communist support.

"Now I'm not accusing any Democrat of being a Communist," the Republican presidential nominee said. "But I am getting a little sick and tired of their not denouncing this Communist group, not denouncing their backing."

No Franklin Approach For A&M Researchers

Ben Franklin could go fly a kite and make an important discovery, but A&M researchers are called upon for far more complicated experimental studies. So they use a statistical approach as an aid.

Currently 50 faculty and graduate students are learning one of the newest such approaches from a man who almost literally wrote the book. Visiting Professor William S. Connor, Jr., is conducting the seminar on "Fractional Factorial Experiments."

The mathematics are esoteric but the results can be as specific and definite as improving the process of producing bricks.

The fractional factorial approach is described as useful in any experimental study involving many variables and is applicable in engineering, agriculture and the sciences.

"Dr. Connor is the senior co-author of a number of publications issued by the U. S. Bureau of Standards giving for the first time, a completely comprehen-

sive tabulation and documentation of the most important families of fractional factorial designs," H. O. Hartley said. He directs the Institute of Statistics.

Connor's appointment as a visiting professor in the Institute is supported mainly by a National Science Foundation grant. The statistician has taught and has conducted research studies for the National Bureau of Standards, industry and the Research Triangle of Durham, N. C. He came to Texas A&M from Durham.

An experiment to assess the effects of particle size, pressure and temperature on the quality of a certain type of brick was cited by Connor as an example of the fractional factorial approach. Many variables like these lead to an almost endless number of possible test conditions.

Connor was among the earliest staff members of the Research Triangle and also was an adjunct professor at North Carolina State University. He was there for five years.

The statistician is a member of several professional societies and a Fellow of the American Statistical Association.

The crucial point is choosing the right conditions for testing.

Connor is a native South Carolinian and 1943 graduate of Davidson College where he was a Phi Beta Kappa member. He holds the MA and Ph.D. degrees from the University of North Carolina and also has studied at Columbia University.

In 1946-47 he taught at Davidson and then joined the University of Kentucky faculty where he was an associate professor for several years. Two assignments with the National Bureau of Standards were broken by a period as statistical consultant to Johnson and Johnson of New Jersey.

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The World at a Glance

By The Associated Press

International

WARSAW, Poland—Wladislaw Gomułka, leader of the Polish Communist party, said today the recent changes in the Kremlin occurred according to Leninist principles of party unity. He referred to the removal of Nikita S. Khrushchev.

LONDON—Sir Alec Douglas-Home reshuffled the Conservative leadership in Parliament today to emphasize the party's younger leaders and bring two Tory rebels back into the fold.

VIETIANE, Laos—A government communique forecast today the pro-Communist Pathet Lao will stage another offensive after the dry season arrives next month.

UNITED NATIONS, N. Y.—Cambodia told the U. N. Security Council today it can only rely on "appropriate action by friendly governments" to halt what it described as acts of aggression by the United States and South Viet Nam.

SAIGON, South Viet Nam—Cambodia won ammunition Wednesday from Saigon for its propaganda campaign against U. S. and South Vietnamese armed forces trying to root out Communist Viet Cong bases along the Cambodian-Vietnamese frontier.

National

DETROIT—The United Auto Workers Union

threatened Wednesday to strike Nov. 6 at all Ford Motor Co. plants lacking local-level agreements.

WASHINGTON—Moreton Rolleston Jr., an Atlanta attorney, has asked the Supreme Court to announce before election day its decision on constitutionality of the public accommodations section of the new Civil Rights Act.

WASHINGTON—Retired Justice Harold Hitz Burton, a Republican appointed to the Supreme Court by Democratic President Harry S. Truman in 1945, died Wednesday of a combination of ailments at the age of 76.

ST LOUIS, Mo.—Local police and the FBI were investigating Wednesday the theft from a retired St. Louis contractor of jade, silver and ivory model boats—possibly worth \$1 million.

The theft and investigation had all the elements of international intrigue, as police indicated the loot may be en route to Hong Kong.

Texas
DALLAS—Jack Ruby's defense staff did a new flip-flop Wednesday, and former chief counsel Clayton Fowler said a "secret group" of lawyers are drawing their own appeal for the convicted slayer.

BIG SPRING—The Security State Bank was robbed of \$4,960 today by a youth who casually came and departed in a cab. Police arrested a young man described as a Puerto Rican minutes later at the Big Spring State Hospital.



THERE ARE NO COWBOYS, THERE ARE NO INDIANS... but freshmen studying English show interest in the new type of teaching.