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## Top Ag Students Attend Institute

Fifty-six top agriculture students attended the Southwestern Farm and Ranch Institute in Houston today as guests of the South Texas Producers Assn. Sessions were held in the Crystal Ballroom of the Rice Hotel.

Sterling Evans, former president of the Federal Land Bank, and a member of the A&M System Board of Directors, was personal host and guide.

The theme of the program was "Agricultural Changes and Your Business" with presentations from agricultural leaders throughout the U.S., two of whom are faculty members here at A&M, Dr. Jarvis Miller, associate professor in the Department of Agricultural Economics and Sociology, and Dr. Tyrus R. Timm, head of the Department of Agricultural Economics and Sociology.

The following students attended the institute: William Paul Treude, William Ben Cook, Ralph E. Petersen, Harold A. Henk, Boyd Proctor, Robert Ray Wilson, William

Neal Lipe, Gilbert Balch, Wayne A. LePori, Philip Joe Phillips, Bobby Sims, Marion Brooks, Bill Whitney, Charles Bell, Walter Ray Willms, Allen Marburger, Henry J. Bonorden, Chandler J. Whitten, Robert Kensing, Dale Darling, C. M. Farmer, H. D. Pennington, Max M. Reynolds, David Crabtree, Travis Weaggenhoff, Jerome Klement, Tommy Plato, Kenneth Beerwinkle, George Pechacek, Jay Gatlin, Ben Dickerson, Anton Coy, John Mittel, Douglas, Bartosh, Donald Wanjura, Billy Eitel, Herbert Schumann, Guyle Cavin, Isadore J. Shenkir, Kinnan Burk, John D. Bounds, Jon David Bathager, Franklin Dahlberé, Joe H. Hughes, Ben Woolverton, R. W. Kappmeyer, Morris Asbill, Jr., Thomas M. Taylor, George Ohlen-dorf, Edwin H. Nichols, Carl Reuther, John Karrer, Thomas Sullivan, Bernard Selensky, Alvin Adameik and Lewis Wilkinson.



**Credit School Speaker**  
Bushrod W. Allin, chairman of the Outlook and Situation Board of the U. S. Department of Agriculture, will be one of the main speakers at the ninth annual Texas Farm and Ranch Credit School for Commercial Bankers to be held here Nov. 29-Dec. 1. He will talk on "The Outlook for Agriculture in 1960."

## Ninth Farm, Ranch School Slated This Month in MSC

The ninth annual Texas Farm and Ranch Credit School for Commercial Bankers will be held Nov. 29-Dec. 1 in the Memorial Student Center.

Purpose of the school is to give bankers, who provide most of the operating credit for the state's farmers and ranchers, the latest information on changes taking place in Texas agriculture and how these changes may affect their future credit and other business policies.

A main feature of the program this year will be a panel discussion of economic-size farms and ranches. Panel members will ponder this question: How large does a farm need to be and what are the capital requirements needed to produce a desired income for the various types of farms and ranches in Texas?

Dr. Tyrus Timm, head of the Department of Agricultural Economics and Sociology, which is conducting the school, said new research developments in livestock and crops will be presented by leaders in these fields. Live animal demonstrations will feature the newest findings in animal and poultry husbandry.

Sponsors of the school are the Texas Agricultural Experiment

Station and the Texas Agricultural Extension Service.

Main speakers and discussions will start at 9 a.m. Nov. 30, when

Clarence Miller of Washington, D. C., assistant secretary of agriculture, will talk on building markets for agricultural products.

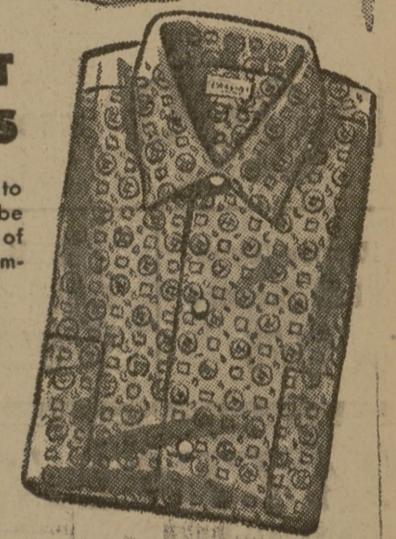


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### HOLIDAY

Wednesday, November 11, 1959 being a Legal Holiday in observance of Veterans Day, the undersigned will observe that date as a Holiday and not be open for business.

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- City National Bank
- First State Bank & Trust Co.
- College Station State Bank
- Bryan Building & Loan Ass'n
- Community Savings & Loan Ass'n

### AGGIES

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### Creates Hostility

## US Charges Cuba Of False Reports

WASHINGTON (AP) — The United States again has accused Fidel Castro's Cuban regime of circulating false reports it said apparently were designated to create hostility between the two countries.

Target of the newest Washington protest was what the State Department called "an offensive brochure" seeking to link this country with violence in Havana Oct. 21 in which two persons were killed and 45 injured.

It was the second time in two weeks this country has protested Cuban charges that the damage caused by U.S.-based planes which Cuba said dropped not only leaflets but five bombs.

Cuban Ambassador Ernesto Dighigo, called into the State Department to receive the statement, said the brochure "contains nothing against the U. S. government." An earlier protest was handed to Cuban officials in Havana Oct. 27, after Castro charged in a speech that the United States did nothing to stop bombing a defenseless nation.

The 12-page brochure shows a photograph of two planes in the air and is captioned "as in Pearl Harbor." It shows also photos of

wounded men, women and children, and quotes the FBI in Miami as reporting the aggressors took off from Florida bases and returned there.

The FBI has quoted Maj. Pedro Luis Diaz Lanz, former chief of Castro's air force, as saying he had piloted a plane over Cuba but had dropped only leaflets.

### Philosopher Talks At Chapel Meeting

Dr. R. A. Tsanoff of the University of Houston Department of Philosophy, one of the nation's top philosophers, spoke Monday night in the Interfaith Chapel.

His subject was "Modern Critical Thought and Our Traditional Spiritual Foundations." Dr. Tsanoff has served a number of years as the resource person with the Student Conference On National Affairs and also has appeared on other A&M campus programs.

The program was sponsored by the B'nai B'rith A&M Hill Foundation, the Henry Cohen Interfaith Fellowship Award and the Chapel Committee.

## SCIENTISTS AND ENGINEERS:

THE MEN BEHIND THE HEADLINES

NAA's On-Campus Interviews Nov. 11

**N**EARLY EVERY DAY you read of another advance in science... whether it's a space vehicle streaking toward Venus or a submarine gliding beneath the polar ice.

These are the events that make headlines... but even as they are announced to the world, engineers and scientists are planning new and greater achievements — and research shows them the way.

Scientific research always has had an important role at North American Aviation. Today, research projects are underway at more than 185 laboratories in the six North American divisions. They encompass the full scope of modern science.

#### Is air stiffer than steel?

Not all research has the headline appeal of a space ship or nuclear power. For example, research engineers at the Autonetics Division, which designs and manufactures space navigation systems, found new and different ways of building rotating bearings... and found that air is stiffer than steel for some purposes. Improved gyroscopes and magnetic recordings were important results of this research.

#### A cigarette's place in research

Even the ordinary cigarette has a role in scientific research. Scientists at the Aero-Space Laboratories, an organization within North American's Missile Division, use a burning cigarette in a still room to illustrate the difference between laminar flow and turbulence in the boundary layer, the very thin air space that lies along the outer skin of an aircraft or missile. This research is part of a program to find ways to protect missiles, satellites and space ships from burning when they re-enter the earth's atmosphere.

#### Toward the conquest of Space

The Rocketdyne Division has designed and built the bulk of today's operating hardware in the high-thrust rocket field. Explorer I, America's first satellite, was boosted into orbit by a Rocketdyne engine... and three-fourths of the power for Able IV-Atlas—man's first attempt to reach toward another planet—comes from liquid-propellant engines designed and built by Rocketdyne. Researchers at Rocketdyne delve into

the chemistry of propellants, the physics of engine components and what happens within them, ignition of fuels, combustion of fuels, and the transfer of heat.

#### 2,000 mph manned weapon system

The Los Angeles Division is the home of next-generation manned weapon system, the Mach 3 B-70 Valkyrie strategic bomber, and America's first manned space vehicle, the X-15. Research engineers in this division investigate manufacturing techniques, conduct studies in aerodynamics, materials and processes, and thermodynamics. They also work with physiologists, biotechnologists, biophysicists, and psychologists to solve design problems concerning human capabilities and limitations that arise from modern weapons and research systems.

#### Building better Navy aircraft

Analysis of aircraft carrier operation is a major research project at the Columbus Division. This division designed and built the Navy's T2J Buckeye jet trainer and the Navy's supersonic, all-weather AJ3 Vigilante. Research activities are diverse here—from how to illuminate an aircraft cockpit to developing unmanned vehicles and systems to perform within the earth's atmosphere.

#### Developing the peaceful atom

The work at the Atomics International Division of North American is part of a large national research effort aimed at the peaceful atom. Success in the development of economical power from the atom depends on thorough knowledge in every phase of atomic power systems and their materials of construction. Atomics International research reactors are in service in Japan, Denmark, West Germany, West Berlin, and Italy.

#### Opportunities for college graduates

Today at North American there is outstanding opportunity for young engineers who want to share the unusual creative problems that face science. You can rapidly build a sound engineering career by working on the top-level projects now underway. Visit your placement office where you'll find all the facts about a challenging and rewarding future with North American.

### A Campus-to-Career Case History



**"I found I could be an engineer  
—and a businessman, too"**

William M. Stiffler majored in mechanical engineering at Penn State University—but he also liked economics. "I wanted to apply engineering and economics in business," he says, "and have some administrative responsibilities."

Bill got his B.S. degree in June, 1956, and went to work with the Bell Telephone Company of Pennsylvania at Harrisburg. During his first two years, he gained on-the-job experience in all departments of the company. Since June, 1958, he's been working on transmission engineering projects.

Today, Bill is getting the blend of engineering and practical business-engineering he wanted. "The economic aspects of each project are just as important as the

technical aspects," he says. "The greatest challenge lies in finding the best solution to each problem in terms of costs, present and future needs, and new technological developments."

"Another thing I like is that I get full job-responsibility. For example, I recently completed plans for carrier systems between Scranton and four other communities which will bring Direct Distance Dialing to customers there. The transmission phase of the project involved almost a half-million dollars—and it was 'my baby' from terminal to terminal."

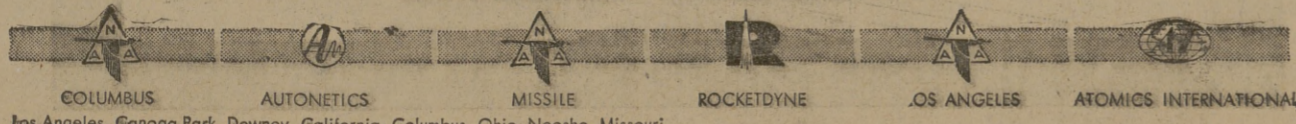
"Telephone engineering has everything you could ask for—training, interesting and varied work, responsibility, and real management opportunities."

Bill Stiffler and many college men like him have found interesting careers with the Bell Telephone Companies. There may be a real opportunity for you, too. Be sure to talk with the Bell interviewer when he visits your campus—and read the Bell Telephone booklet on file in your Placement Office.



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