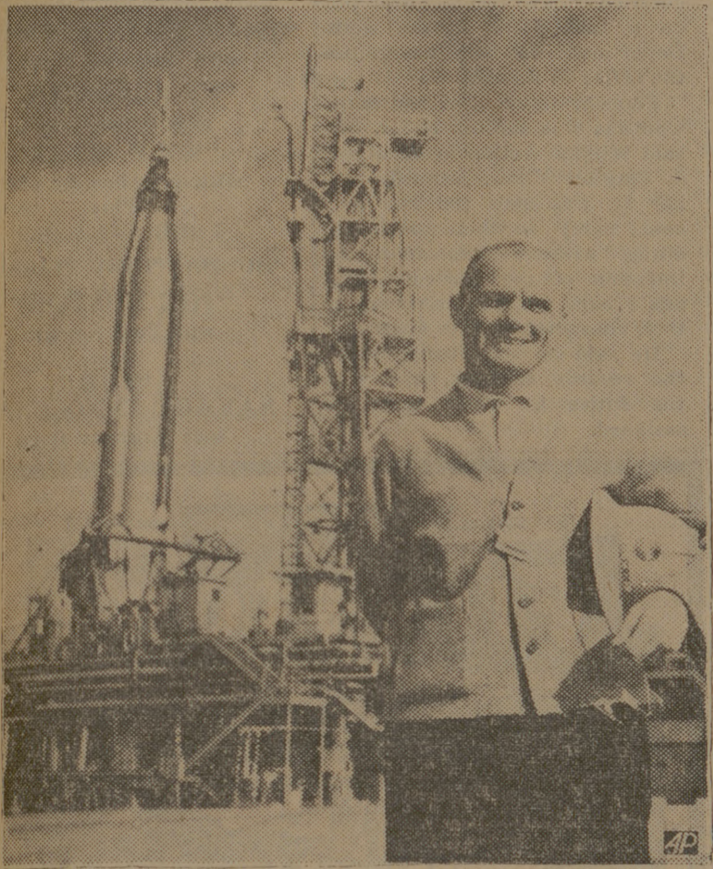


THE BATTALION



Glenn And Space Ship

Astronaut John Glenn poses in front of the Atlas missile which is scheduled to take him on an orbital flight from Cape Canaveral, Fla. Atop the missile is the Mercury spacecraft in which Glenn will ride on his three-orbital trip. (AP Wirephoto)

NO NEW HITCHES

All Is Ready For Glenn's Space Try

CAPE CANAVERAL, Fla. (AP) — Optimism washed over this spaceport Wednesday as preparations for astronaut John H. Glenn Jr.'s orbital voyage moved ahead without any reported new hitches. White-clad technicians checked and rechecked the towering Atlas and the bell-shaped spacecraft which-if all continues to go well

will carry the 40-year-old Marine pilot around the earth three times on Saturday. Glenn was keeping close touch with the progress of these checks, space agency sources said. This close to launch day, the astronaut schedule normally tapers off after months of repeated ground rehearsals and conditioning. This is a time for relaxation and rest, a bit of exercise in the warm Florida sun. Glenn, a hard muscled Marine lieutenant colonel, was due to take the second half of a routine but thorough prelaunch physical Thursday. It will be a general examination, officials said, with some special attention to the astronaut's inner ear which affects sense of balance. After the first half of the examination Monday, the National Aeronautics and Space Administration said Glenn's doctors found him physically fit and ready to go into space. That part of the check-up involved, among other things, Glenn's heart and his eyes, ears, nose and throat. As things stand now, the countdown will begin Friday. It is split over two days, as technicians run over a thick checklist for about five hours Friday and then finish the remaining six hours of the process in the early hours of launch day. Rising hope that Glenn's orbital flight-first for an American may go off Saturday after three previous postponements was not diminished by a space failure early Wednesday. The United States had hoped to hurl five separate satellites into orbit with a single rocket, a Thor-Able-Star. But the rocket's upper stage didn't develop enough thrust and speed and the cluster of satellites, containing a variety of space study experiments, plunged into the ocean several hundred miles south of here.

Senate Tangles On State Support For San Angelo College

AUSTIN (AP) — Texas senators tangled Wednesday with the proposition of making San Angelo College fully state supported but put off a decision until after the loan shark regulation fight.

At the same time the House withheld final action on the San Angelo College proposal and a similar measure for Pan American University while members argued over natural gas for irrigation pumps.

There was the possibility of a night session for the House.

By a 15-13 vote the Senate voted to recess until 10:30 a.m. Thursday, the exact time set earlier for start of debate on a house-passed small loan regulation bill.

A motion by Sen. Dorsey Hardeman, San Angelo, to begin debate on the San Angelo College issue was pending at the time the Senate quit. The recess vote had the effect of putting off any action on Hardeman's motion until the Senate acts on the loan regulation issue. It was the second delay in the Senate for the San Angelo College bill. Senators refused Tuesday to take up the measure out of its regular order on the calendar. The House gave tentative approval Tuesday to both the San Angelo College and Pan American University bills but a final vote was postponed.

After the Senate session Wednesday, the Senate State Affairs Committee quickly sent to a subcommittee a bill (SB51) proposing state control of city annexations.

"As far as I am concerned, that kills it for this session," said the author, Sen. Preston Smith, Lubbock. "We just didn't have time to pass such a bill in a special session. It will take a regular session."

This special 30-day session ends at midnight Feb. 1.

Sen. Dorsey Hardeman, San Angelo, to begin debate on the San Angelo College issue was pending at the time the Senate quit. The recess vote had the effect of putting off any action on Hardeman's motion until the Senate acts on the loan regulation issue.

At the same time the House withheld final action on the San Angelo College proposal and a similar measure for Pan American University while members argued over natural gas for irrigation pumps.

There was the possibility of a night session for the House.

By a 15-13 vote the Senate voted to recess until 10:30 a.m. Thursday, the exact time set earlier for start of debate on a house-passed small loan regulation bill.

A motion by Sen. Dorsey Hardeman, San Angelo, to begin debate on the San Angelo College issue was pending at the time the Senate quit. The recess vote had the effect of putting off any action on Hardeman's motion until the Senate acts on the loan regulation issue.

After the Senate session Wednesday, the Senate State Affairs Committee quickly sent to a subcommittee a bill (SB51) proposing state control of city annexations.

"As far as I am concerned, that kills it for this session," said the author, Sen. Preston Smith, Lubbock. "We just didn't have time to pass such a bill in a special session. It will take a regular session."

This special 30-day session ends at midnight Feb. 1.

New Semester Approaches

Automation May Overtake 'Slow People'

Future benefits from automation in industry are tremendous, but scientists and engineers who don't "keep up" face technical obsolescence.

That's the warning executives giving keynote addresses said at the 17th annual symposium on Instrumentation for the Process Industries currently underway here.

More than 300 process and instrument engineers, and industry representatives are attending the conference sponsored by the Department of Chemical Engineering. It will end tomorrow after presentation of nine technical papers dealing with aspects of continuous fluid flow industrial processing.

"Because of automation," said W. S. Quimby of Texaco, Inc., "our nation turns out 33 per cent of the world's total production of goods and services and almost half of its durable goods. This is because our national genius has found its greatest expansion in industrial and scientific technology."

Quimby, coordinator of automation for Texaco in Beacon, N. Y., asserted that increased industrial efficiency from automation benefits the companies, investors, the workers, consumers and the government.

Engineers and scientists must take time—all the time—to keep up with the rapid instrumentation advances, Robert T. Sheen, president of Milton Ray Co., St. Petersburg, Fla., said.

"Your engineering and technical skills are in greater danger of becoming obsolete than the equipment in your plant, if you don't keep up," he warned.

Presbyterians Purchase Old Bank Building

The old College Station State Bank Building was recently purchased by the A&M Presbyterian Board for a Campus Christian Life Center.

According to Dr. Harrison E. Bierth, retiring president of the board, the former bank building will replace the present Presbyterian Campus Christian Life Center now located at 200 Montclair behind the Southside Shopping Center.

\$1,200 Contest In Dallas Open To A&M Students

All engineering and science students have been urged to compete in the \$1,200 tenth annual Southwestern Student Paper Competition sponsored by the Institute of Aerospace Sciences.

A&M and 12 other schools will be entered in the Apr. 26-28 competition in Dallas.

Papers from three undergraduates and one graduate student will be selected here for the Dallas contest. First prize in each division is \$300, second prize \$200 and third prize \$100.

Paper content will be limited to a subject which is applicable to the aerospace industry. According to contest officials, "applicable is meant to include research, design, manufacture and operation of aircraft, spacecraft, missiles and helicopters."

Entries here must be submitted prior to Feb. 16 to the Department of Aeronautical Engineering. Further information may be obtained from Charles A. Rodenberger, faculty advisor of the student chapter of IAS.

Technologists Offering \$22,000 In Grants

The Institute of Food Technologists has issued its first call for applications for \$22,000 worth of IFT-administered scholarships effective during the 1962-63 school year. Dr. A. V. Moore, chairman of the A&M Food Technology Committee, said today.

Thirteen awards are offered citizens of the United States or Canada to encourage graduate work in the field of food science and food technology, and undergraduate work leading to a bachelor's degree in food technology, food engineering or food science.

At the graduate level, Florasynth Laboratories, Inc., provides a \$1,000 fellowship for candidates having a bachelor of science degree or equivalent, preferably with honors, who have "demonstrated scientific or engineering aptitude together with an above-average interest in research."

Nominations for the fellowship may be made only by the head of the department who supervises the work of the candidate and shall be made only on the official Institute of Food Technologists' Nomination Form, Moore said. Personal applications on prescribed forms are required from

Aggies Should Get W-2 Forms By Wednesday

A&M students who worked during 1961 for wages should receive two copies of a "withholding statement," Form W-2, on or before Wednesday, Jan. 31, Clarence E. Carlson, administrative officer of the Internal Revenue Service, said yesterday.

He went on to say that this statement will show the total wages paid and the income tax and social security tax withheld if any, during the calendar year 1961.

Total wages shown on an employee's W-2 must include amounts received as sick pay from his employer, even though no tax has been withheld on such sick pay. Sick pay is not required to be shown separately.

According to Carlson, if it becomes necessary to correct a W-2 after it has been given to an employee, a revised statement must be issued and marked "corrected by employer."

Carlson reminded that taxpayer assistance is provided by the Bryan IRS office every Monday from 8:15 a.m. until noon.

Former Professor Given Honorary TSPE Membership

Carl E. Sandstedt, formerly a professor of civil engineering at A&M and a structures consultant since his retirement, was presented a certificate of honorary membership in the Texas Society of Professional Engineers at a recent meeting of the Brazos chapter.

Sandstedt spent 35 years with the Department of Civil Engineering, holding the acting head's office from 1942-45. Before coming to A&M, he held several professional positions with state and federal units.

He was presented with the Texas Society of Professional Engineers' "Engineer of the Year" award in 1957. Sandstedt is the author of several technical publications on structures and is a member of the American Society of Civil Engineers, the National Society of Professional Engineers and the Rotary Club.

candidates for 12 other IFT-administered undergraduate and graduate awards.

General Foods Fund, Inc., provides three General Foods Fellowships, each worth \$4,000, for seniors or graduates who "intend to pursue graduate work in basic or applied chemistry, chemical engineering or related sciences." Each award is renewable upon applications and approval for a maximum of three years.

The Samuel Cate Prescott Fellowship providing a \$1,000 award for graduate study is for one year only and is not renewable.

Eight undergraduate scholarships valued at \$1,000 each will also be made for the 1962-63

school year. Six of these awards of \$1,000 each are provided by the Gerber Baby Fund, Inc. A \$1,000 scholarship is provided by Dodge and Olcott, Inc., and the Alexander E. Katz Memorial Scholarship, worth \$1,000, is donated by F. Ritter and Company.

Deadline for receipt of applications and nominations for all awards, and the accompanying photographs and letters of recommendations, is March 1.

Requests for application and nomination forms, and the specific details regarding the 13 scholarships, should be directed to the Executive Secretary, Institute of Food Technologists, 176 West Adams St., Chicago 3, Ill.

Students Register Feb. 2-3

Ink on final semester grade reports will scarcely be dried when new students begin reporting next Wednesday for the beginning of another semester.

Returning students will join newcomers next Friday for the beginning of registration for the new semester.

New Student Orientation Program activities are planned both Wednesday and Thursday before the beginning of registration Friday morning.

Returning students will then begin registering Friday afternoon.

Registration cards will be released to all returning students outside Sbsa Dining Hall before they register.

Students who were on probation at any time during the fall semester, however, will have to have written authorization from their deans, directors of instruction or division heads to secure registration cards.

Registration will be conducted according to the following schedule:

Friday, Feb. 2
1-3 p. m.—All whose surnames begin with T, U, V, W, X, Y, Z.
3-4:30 p. m.—All whose surnames begin with L, M, N, O.

Saturday, Feb. 3
8-10 a. m.—All who surnames begin with P, Q, R, S.
10-11:30 a. m.—All whose surnames begin with C, D, E, F.
1-3 p. m.—All whose surnames begin with G, H, I, J, K.
3-4 p. m.—All whose surnames begin with A, B.

Two Summer Institutes Set For Teachers

Two institutes designed to upgrade scientific preparation of junior and senior high school teachers are scheduled at A&M this summer under grants from the National Science Foundation.

A \$63,600 NSF grant is underwriting a Summer Institute in Earth Sciences for 64 junior high school teachers of science. It is scheduled of the Department of Geology and Geophysics.

Summer Institute in Physical Science and Mathematics will be held at the same time for 64 junior and senior high school teachers under a \$72,700 grant from the NSF. Director is Dr. E. B. Middleton of the Department of Chemistry.

In both programs, teachers & who must have at least three years of science teaching experience—will be able to earn up to 12 hours toward a master of education degree with a science option at A&M. They will receive a stipend of \$75 a week, plus a dependent's and travel allowance, plus tuition fees.

The Physical Science Institute will cover fundamental math concepts through calculus, chemistry, physics — both classical and modern concepts that include atomic, nuclear and electronic developments.

Teachers enrolled in the Earth Science Institute will take courses in meteorology and oceanography designed for secondary school teachers, and courses in geology and physics.

Purpose of the institute is to give secondary teachers an opportunity to advance their education and to enrich the general and special science courses they teach in junior and senior high schools.

All interested teachers may apply before Feb. 15 to C. M. Loyd.

Rudder Stresses Farm Importance

Farming and ranching in Texas and the United States has become a strict business in which only the efficient survive, President Earl Rudder told members of the 12th annual East Texas Bankers Agricultural Conference today at Tyler.

Rudder, the keynote speaker at the meeting, told the group that the agricultural revolution has set up a trend toward fewer but larger farms run by fewer farmers.

Farmers now represent only 10 to 12 per cent of the total U. S. population, yet they are producing a super-abundance never before seen by the world, he said. This abundance is the result of applied technology, such as mechanization, increased use of fertilizers, improved breeds of livestock, improved seeds and plants, better management and ever-widening research.

Although farmers represent only a small percentage of the population, a prosperous agriculture is vital to the nation's welfare, Rudder added. Fully 40 per cent of Americans are economically dependent on agriculture either directly or indirectly.

About 300 bankers and business and farm leaders attended the conference. Sponsors were the Tyler Clearing House Association and the East Texas Agricultural Council.

Rudder also described the work now underway by the Experiment Station and the Extension Service in East Texas.

"As Texas oldest state-supported institution of higher learning, A&M is your school," he said. "We are here to do what you need done. If you believe we are not doing the job, then let us know."

JFK Still Seeking Urban Cabinet Spot

WASHINGTON (AP) — President Kennedy promised yesterday to battle in Congress for a new federal Department of Urban Affairs and to put a Negro in the Cabinet for the first time in history.

Kennedy's choice: Robert C. Weaver, now head of the Housing and Home Finance Agency, who has had the inside track for months. The chief executive told a news conference he is going to try a legislative end run around the House Rules Committee with what he termed "a most valuable and important proposal" to help city people solve such problems as "housing, transportation and all the rest."

The Rules Committee, with a coalition of Republicans and Southern Democrats in control, erected a blockade in the path of the Kennedy plan shortly before the president met with newsmen.

It was a conference which spread out across such widely divergent topics as communism, a 25-hour work week and security risks.

Bob Murdoch, farm director of Radio Station KTBB in Tyler and executive director of the East Texas Agricultural Council, said the conference is held each year to provide up-to-date information on the changing economy of East Texas. The major role of agriculture is emphasized in the discussions.

Rudder said that much of the applied science and technology on Texas farms and ranches is the result of educational services provided by A&M.

He described the services as divided into three phases: instruction, or the teaching activities of the college for both undergraduate and graduate students; research, carried on by teachers and the Texas Agricultural Experiment Station; and extension, which is the job of the Texas Agricultural Extension Service to disseminate the latest agricultural and home economics information to the people of Texas.

Rudder also described the work now underway by the Experiment Station and the Extension Service in East Texas.

"As Texas oldest state-supported institution of higher learning, A&M is your school," he said. "We are here to do what you need done. If you believe we are not doing the job, then let us know."