

A&M's TTI Developing New Construction Material

A new low-cost building material, designed to withstand high humidity over prolonged periods, is being developed by the Texas Transportation Institute of Texas A&M under a \$28,000 grant from the International Cooperation Administration.

Chief ingredient of the "oversized" bricks is common dirt, but the decisive weather-resistant factor is an inexpensive stabilizer such as lime or cement.

Though earthen blocks are not new to homebuilding, some adobe houses of southwestern United States having stood for more than 100 years, the unstabilized material

will not hold up for any length of time in moist climates. Soil stabilization as a means of preventing damage by wind, rain and flood is a major part of the TTI research.

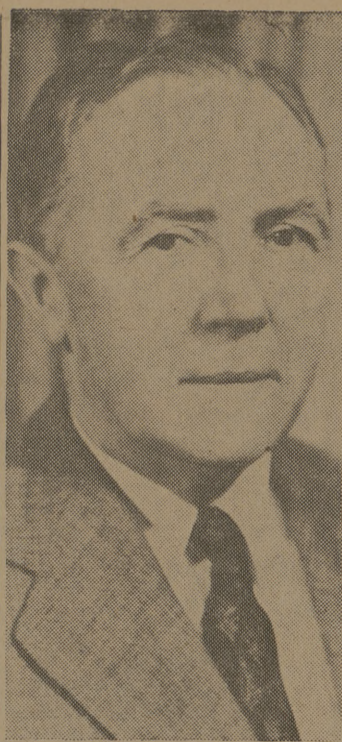
In laboratory and field testing, blocks made of Brazos County sandy clay, stabilized with 2, 4 and 6% lime, and 2, 4 and 6% portland cement, gave satisfactory performance for Bob M. Galloway, Wayne A. Dunlap, and Lyle A. Wolfskill, the researchers. Blocks made with raw soil, however, showed rapid deterioration in the testing.

The ICA-sponsored research is

designed to provide relief for underdeveloped nations where unskilled labor and densely-populated slums combine to accentuate the need for simple, inexpensive building materials. Cost, excluding labor, for a modest home of some lumber and lime-stabilized soil bricks is expected to be below \$500 per unit.

Other projects by the TTI include studies of economic effects by new highway bypass routes throughout the state.

A study concerning the bypass for U.S. 81 (Interstate Highway 35) around Temple has just been released.



Dr. Francis O. Rice ... delivers address tonight

DR. RICE

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lent teacher and his many students have carried the torch of chemical knowledge into industry, education and government. Dr. Wayne C. Hall, Dean of the Graduate School said, "Rice's work on free radicals, kinetics and mechanisms may truly be said to have resulted in the re-formulation of a chapter in modern chemistry."

In 1931, Rice proposed that, during pyrolysis, many organic molecules undergo a primary decomposition into free radicals. This led to his classic paper with Herzfeld, a colleague at Johns Hopkins, which showed that complicated radical chain mechanisms could be described by simple kinetic laws.

Recognizing the limitations of studying systems by the analysis of reaction end-products, he devised methods of studying reactions by the paired mixtures of organic compounds and their deuterated counterparts. Rice developed other techniques for studying equilibrium and stationary state systems.



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THE BATTALION

Field Swells To Near-Record Size In Special U.S. Senate Free-For-All

By The Associated Press

The field in the special U. S. Senate race swelled to near-record size Wednesday as V. C. (Buster) Logan, a McKinney businessman, paid his \$50 filing fee and became candidate No. 27.

The record number of entrants in a U. S. Senate race, set in 1941, is 29. The 1957 special election drew 23 candidates.

"Anybody voting for me will be voting for himself," said Logan, who added that he is running "because I want to represent the taxpayers. The Texas taxpayer has no representation at present."

Logan, 44, lives in Celina and operates an appliance business in McKinney. He said he is not a politician.

Potential candidates for the Senate seat vacated by Vice-President Lyndon Johnson have until Mar. 4 to pay their filing fees. The election will be April 4.

Other candidates were busy campaigning around the state Wednesday and several announced jam packed campaign schedules.

Congressman Jim Wright of Ft. Worth said he will carry his bid for votes to the lower Rio Grande Valley Thursday and Friday.

He will be in the Brownsville area Thursday and in Raymondville, Harlingen, Weslaco, Edin-

burg and McAllen Friday. He will be guest of honor Thursday night at a valley-wide press party in connection with international Charro Days in Brownsville.

In Lubbock, Atty. Gen. Will Wilson came out for larger sugar quotas for American growers. He addressed a meeting of his Panhandle backers.

"The Sugar Act is scheduled for reconsideration by Congress this spring," he said. "In these congressional deliberations Texas will have the opportunity to lead in securing for our nation's farmers a bigger share of raw sugar production."

He said greater use of American sugar by sugar refiners would "be a first step in putting brakes on declining farm income and it will put skids under Cuba's long lead in raw sugar production."

John Tower, the lone Republican in the race, announced the formation of a statewide advisory committee headed by Mrs. Dan Moody of Austin and Dr. George C. Hester of Georgetown.

Mrs. Moody is the wife of former Gov. Dan Moody. Dr. Hester is a professor at Southwestern University. He was chairman of the new taxes subcommittee of

Gov. Price Daniel's state Finance Advisory Commission.

Maury Maverick Jr., of San Antonio announced he has named Dr. Bill Crane, professor of government at St. Mary's University, as head of a statewide Texas teachers for Maverick organization. Crane also is Maverick's Bexar County campaign manager.

State Sen. Henry B. Gonzalez of San Antonio, a candidate for the U. S. Senate post, is scheduled as the main speaker for the state convention of the League of United Latin American citizens in Corpus Christi Saturday.

A state-wide collegiates for Gonzalez meeting has been set for Saturday at 7:30 p.m. in the Gunter Hotel of San Antonio under the leadership of temporary chair-

man Art Yarborough. Delegations from The University of Texas, St. Mary's University, Texas A&I College, Del Mar College and others are expected to attend, Gonzalez's office said.

Tests Show Good Results

Tuberculin tests have been given to over 900 children in the first and second grades of Bryan, Fairview, and John M. Moore schools with only 12 positive reactors found, according to a report sent to the TB office by Mrs. Mildred Turner, chairman of the case finding committee of the TB Association.

FROM FORD MOTORS

Engineer Society To Hear Executive

Neil L. Blume, manager, power train department, light vehicle engineering, for the Ford Division of Ford Motor Company in Dearborn,

Mich., will address the joint dinner meeting of A&M student and Gulf Coast (Houston) chapters of the Society of Automotive Engineers tomorrow night.

Blume will discuss the objectives established for the design and development of Ford's new series of light weight commercial vehicles—the Econoline van, bus and pickup truck. They were introduced last October as a new concept in American-made trucks.

Blume joined Ford Motor Company in 1947 as technical assistant to the vice president of engineering.

In 1951, he established the military vehicle department to design a light-weight jeep and in 1953 was named chief engineer, Lincoln-Mercury car engineering. Two years later he was named chief engineer of the Special Products Division which later became the former Edsel Division.

Blume joined Ford Division as assistant executive engineer in June, 1958, becoming manager of the Econoline engineering department in 1959. He assumed his present position in December, 1960.

A 1931 mechanical engineering graduate of Michigan State University, Blume began his automobile career as a draftsman for Oldsmobile Division of General Motors Corp. When he left to join Ford he had advanced to administrative engineer.

FOUNDRIYMAN'S SOCIETY MEETS HERE TONIGHT

"Career Opportunities in the Cast Metal Industry" will be discussed by Warren C. Jeffery, Product Development Manager at McWane Cast Iron Pipe Co., Birmingham, Ala., at the February meeting of the Texas Chapter of the American Foundryman's Society.

The Aggie AFS student chapter will host the meeting in the MSC tomorrow night at 6:30 p.m. The meeting, which will be attended by 75 members of the Texas AFS Chapter, will consist of a banquet and discussion of problems in the foundry industry.

A&M is one of 13 student chapters affiliated with the international AFS and is the only one actively functioning in Texas. Membership is now 30 students.

The chapter's yearly activities consist of three or four field trips to foundries throughout Texas and attending a Texas Chapter meeting and hosting the February meeting.

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These Prices Good In Bryan Only—Feb. 9 - 10 - 11