

Page 6 Bryan College Station, Texas Thursday, Feb. 25, 1965 THE BRYAN DAILY EAGLE

Engineers' Week Spotlights Variety

ENGINEERS AND EQUIPMENT EQUAL ROADS

Engineers in the Bryan Chapter of the Texas Society of Professional Engineers are participating in planning and supervising additional miles on interstate highway in this area. Concrete paving operations, such as that one on Interstate Highway 41 in

Local Chapter To Name Top Engineer of the Year

The Bryan Chapter of the Texas Society of Professional Engineers will select the Engineer of the Year tonight at a 7 p.m. dinner-dance at Bransford Country Club.

The event will highlight National Engineers' Week which has been proclaimed locally by both Mayor Ernest Langford of College Station and Mayor Roland Danahy of Bryan.

The theme of the week is "Engineering... For Human Needs." A club spokesman said the varied fields of engineering will be spotlighted during the week.

The local chapter was formed Jan. 14, 1948. It is made up of more than 140 members from Bryan, Burdett, Grimes, Leon, Madison, Milam, Robertson, Walker and Washington Counties.

Special engineering speakers also attended civic club luncheon this week to discuss the wide range of engineering and how it touched the U. S. standard of living.

Officers of the local chapter are Russell D. Brooks of Rockdale, president; Richard L. Patrick of Bryan, first vice president; Peter D. Weiner of College Station, second vice president; John F. Mearns, secretary-treasurer and Daniel E. Aviles of Bryan, state director.

CAUSEWAY CONSTRUCTION

The field of engineering stretches from the agricultural fields to highways and the expansive causeways that link coastal islands. Here, engineers of the Texas Transportation Institute place instrumented piles to research the evaluation damage during causeway construction.

FARM RESEARCH

A student checks a completely instrumented prototype of an automatic feed processing mechanism at Texas A&M University. The operation of the unit is directed completely from a control panel. Farm engineering research has allowed the farm to increase product yield while also handling increased acreage.

ENGINEER'S PRODUCT

Modern highway and by-passes are the products of the engineers honored during National Engineers' Week. The observance has been proclaimed locally by both Mayor Roland Danahy of Bryan and Mayor Ernest Langford of College Station.

CLASSWORK IMPORTANT

Engineering graphics course in classrooms at Texas A&M University are an important part of future engineering training. The university offers curricula for various technical fields of engineering. The future builders of America receive basic training before moving into the practical field of operations.

IMPACT TESTING

This sequence of high speed photographs show one of the detonation devices being investigated by the Department of Aerospace Engineering at Texas A&M University. A similar device might be used on future lunar spacecraft to absorb landing impact energy. The photos, reading left to right, show the device as it is forced down, slowing impact of the testing machine.

GRAIN STORAGE

Research with refrigerated grain storage shows promising results for maintaining high quality grains without the application of insecticides, which often leave highly objectionable residues. In the field of agriculture, engineers have also searched for better methods of soil and water management.

FOUNDATION CORE EXPLORED

Foundation investigation being performed by consulting engineering firms preparatory to the construction of the plant sciences building at Texas A&M University are pictured above. A rotary core drilling is utilized to obtain undisturbed soil samples to determine the engineering properties of the foundation media. This check enables the engineer to establish the proper foundation for the building.

AUTO CRASH CHECK

Researcher D. R. Tidwell and Nelson J. Rowan show Charles J. Kesse, left to right, damages in a vehicle used in a high-trail test. The traffic and structural engineers of the Texas Transportation Institute crash the vehicle through supports to study possible reduction of damage and injury in a real accident.

TOPPING RESEARCH

William J. Harper prepares a test setup in the laboratory phase of a Texas Transportation Institute project appraising lightweight aggregate as coverings. Engineers are being honored this week, Feb. 21-27, during National Engineers Week.

LIFE SAVING ACCIDENT

An automobile crashing through a sign in Texas Transportation Institute research might mean the difference between life and death. The institute sends cars smashing into the signs at the Texas A&M Research and Development Annex in hopes of one day developing a sign that will cause little damage and less danger to life when struck.