

15 300 Cans 1.00

8 300 Cans 1.00

6 Pkg. 23c

2 303 Cans 49c

2 Lb. Pkg. 33c

10-oz. Pkg. 33c

Lb. Box 65c

4 40-oz. Cans 1.00

8 303 Cans 1.00

SE

gal. 49c

29c

ans \$1.00

ans \$1.00

ans \$1.00

ans \$1.00

69c

Both 69c

49c

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18,440 READERS

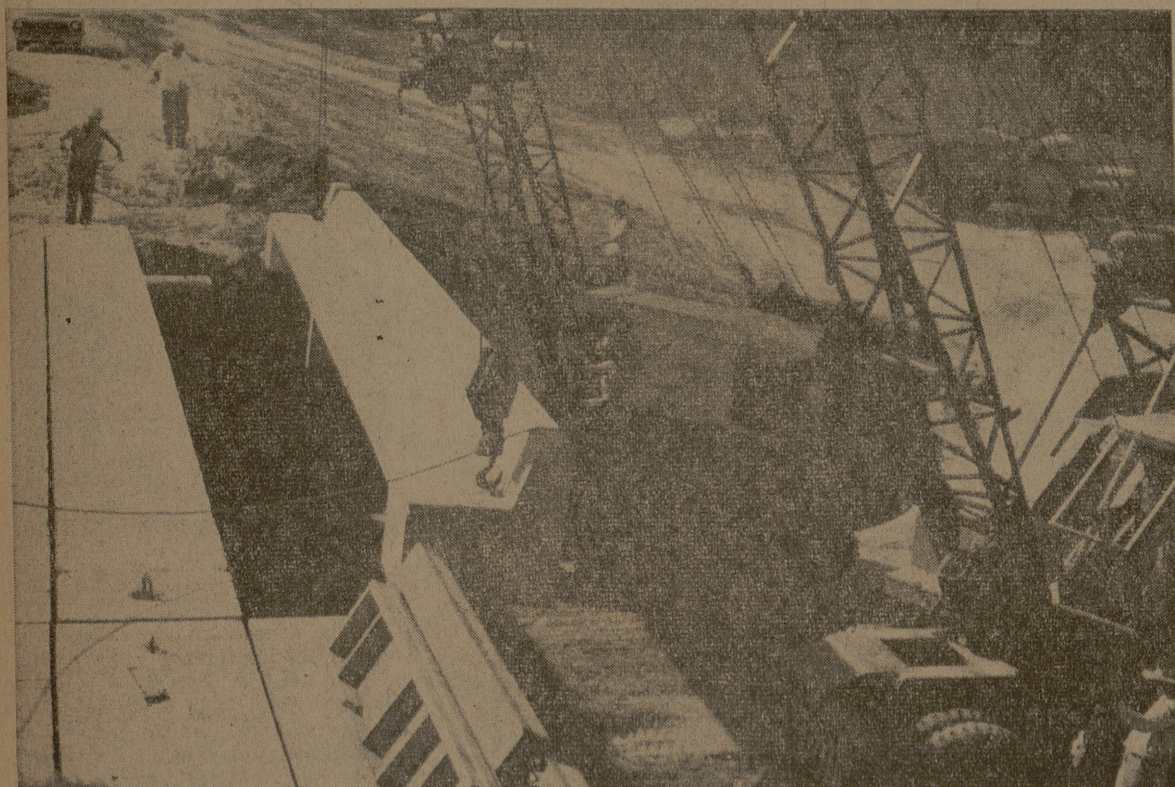
# THE BATTALION

Drive Carefully

Number 9: Volume 57

COLLEGE STATION, TEXAS, THURSDAY, AUGUST 8, 1957

Price Five Cents



HOISTING THE LAST BEAM IN PLACE marks the near completion of the unusual bridge recently erected on FM Road 2038. The bridge is made of pre-stressed concrete beams which may revolutionize the entire bridge building field in the future.

## Grants-in-aid, Gifts Given By Ag Experiment Station

Eight grants-in-aid, an extension of a grant, two gifts and two loans have been made recently to the Texas Agricultural Experiment Station. According to Station Director R. D. Lewis, each will be used to further research studies in several different fields.

The extension was made by the Brewers Yeast Council of Chicago and is being used to support studies on the value of dried brewers yeast in feeds for growing turkeys.

Work under the extension and two of the grants is being directed by Dr. J. R. Couch in the Departments of Poultry Science and Biochemistry and Nutrition. The grants were made by the National Cottonseed Products Association, Inc. of Memphis, Tenn., and the Sterling-Winthrop Research Institute, Rensselaer, N. Y. They are for \$3,000 and \$1,500 respectively and will be used to support research on "A Study of the Histopathological Effects of Various Levels of Gossypol in the Diets of Chickens" and studies on poultry diseases.

Merck and Company, Inc., Rahway, N. J., has made available \$5,000 to support studies on the chemical control of plant growth as related to cotton. These studies are being directed by Dr. J. L. Liverman, Department of Biochemistry and Nutrition and Dr. S. P. Johnson, Department of Plant Physiology and Pathology. The same company made a second grant for \$2,000 to study plant growth as related to ornamental plants. Drs. Liverman and Johnson will direct the studies in cooperation with the Department of Floriculture and Landscape Architecture.

The Stauffer Chemical Company, Chauncey, N.Y., has made available

a grant for \$500 to support existing research on the control of crop diseases by means of fungicides. Dr. G. M. Watkins, head, Department of Plant Physiology and Pathology is supervising the work.

The Texas Random Sample Tests Committee has made available \$1,700 for the purchase of equipment for the Texas Random Sample Tests.

Burke Brothers of Corsicana have loaned a registered Brahman bull to the Department of Animal Husbandry for six months use in the Department's herd. This animal is valued at \$5,000.

The Tri-Pak Machinery Service of Harlingen has loaned to the Department of Horticulture a Tri-Wax applicator which will be used for applying waxes and other materials to fresh fruits and vegetables to extend their storage life. Value of the machine is \$890.

One of the two gifts was made by the same concern, a roller grading table complete with dump hopper, drain pan, motor and variable speed reduction unit. It will be used in the Department of Horticulture for post harvest handling and storage studies with fresh fruits and vegetables. It is valued at \$620.

Geigy Chemical Corporation, Yonkers, N.Y., has donated a mite brushing machine and attachments to the Station for use on the Weslaco substation in connection with studies on inserts attacking citrus. It is valued at \$250.

The Hercules Powder Company, Wilmington, Del., has made available a grant for \$600 which supplements their present agreement covering test work to determine the toxicity upon beneficial insects of toxaphene. It will be used to eval-

uate toxaphene dust and spray for residue determination on vegetables and the studies will be conducted at the Weslaco substation under the direction of Supt. W. R. Cowley.

Hess and Clark, Inc., Ashland, O., has made available a grant for \$100 which will be used at Substation 18 to support research on the study of nitrofurazone in garbage-fed pigs. Supt. J. C. Williams of the Prairie View Substation will supervise the work.

## Tooth Decay Topic Of Kiwanis Talk

Dr. Herbert Hooper was the speaker at the Tuesday meeting of the College Station Kiwanis Club. He spoke to the group on the subject of "Tooth Carpentery."

A member of the local club, he told the club some of the background of the research being done on tooth decay. Hooper is a dentist and has his office here in College Station.

Hooper explained why teeth became decayed and what could be done to help prevent frequent trips to the dentist.

He was introduced to the gathering by John Longley, first vice president of the club. It was announced that the percentage of attendance at last week's meeting was 81.6.

## Two Local Girls Perform In MSC Duo Piano Recital

Claire Rogers and Martha Fletcher are the featured performers at a recital being held Sunday, Aug. 11, in the Memorial Student Center.

Another in the series of MSC Summer Recital Series, the two girls will play duo piano in the Lobby. Both are former students of Mrs. A. B. Medlen.

Miss Fletcher, of 749 N. Rosemary, Bryan, is a freshman at Texas University. While attending Stephen F. Austin High School, she sang in the capella choir, was a member of the Panamerican Club, the girls forum, National Honor Society and is an accompanist at the First Baptist Church in Bryan.

Miss Rogers, of College Station, is a sophomore music major at North Texas State College. She is a member of the Grand Chorus there. While attending CHS she won the Arion Award as the outstanding instrumentalist of her class and received a Lions Club award for making the highest grade in music her senior year. She has also accompanied at two summer operettas in The Grove.

Some of the selections they will

# TTI Sponsors New Construction Method

## Deadline For Advertising In Batt Set

Attention all merchants! Now is the time to plan your advertisements for the freshman edition of The Battalion. The advertising deadline is Aug. 15.

Remember, the edition is sent to every new student who is expected on the campus in September. If the Batt's ad salesman has not yet been to see you why not call the business office at VI 6-4910 for an appointment.

## Pre-stressed Concrete Test

By JIM NEIGHBORS

Under the sponsorship of the Texas Transportation Institute located on the A&M campus, the State Highway Department has erected a pre-cast, pre-stressed, light weight concrete bridge.

The first bridge of its kind, the unique structure was designed by members of the TTI and the method of construction will save taxpayers in Texas several million dollars a year.

Besides being extremely economical, the new structure is a very rapid method of bridge construction. The two span bridge was erected in four or five days as opposed to the 20 to 25 days needed to erect a bridge of the old type.

It is possible under the new method, according to Steve Bryant, research assistant at the TTI and construction superintendent for the new bridge, to construct the entire bridge in 15 working days.

The new bridge is located on FM 2038, six miles south of Highway 21 and fifteen miles from Bryan. The bridge spans Bowman Creek.

There are nine beams in each span. They are 45 feet long and 3 feet wide, making the bridge 90 feet long and 25 feet wide from curb to curb.

Another innovation is that the curbs are built-in and were cast as a part of the side beams. One span is made of light weight concrete and the other is of conventional material. Weight of the light weight concrete is six and a half tons per beam as compared to ten tons for the regular weight concrete.

The structure will be used for testing and research. For this purpose both types of concrete were used in construction. As an aid in testing the bridge, electric strain gauges were attached to the beams.

Pre-stressed concrete has only been used in this country to any extent in the past four or five years. The principle is the same as a wooden barrel with the staves representing the stressed concrete and held together and compressed by a metal band which makes the barrel water-tight.

With pre-stressing, the concrete can be made virtually weightless as pre-stressing counteracts the weight of the material.

The idea for the bridge was born three years ago at the TTI. H. K. Stephenson is head of the Structural Research Division of TTI.

Actual casting of the spans was done at the District 17 Maintenance Yard in Bryan.

## Japanese Boy Wants Oilman To Correspond

The A&M Information Office has become accustomed to handling many unusual inquiries, such as "where do I pick up my meal ticket?" or "my niece is coming to town, and is it all right for her to date Aggies?"

This week, however, the office received an air mail letter from Japan which offers a real challenge, since the young man hopefully awaits an answer. Here is the letter.

Dear sir:

I am a 21-year-old Japanese boy who now resides in Western Japan, and please forgive me for writing to you suddenly, sir.

I was working until recently as a clerk on the U. S. Air Force Base in Japan, but at present I am unemployed, sir.

I know you are very busy, so I hesitate to ask you this matter, but if you don't mind, I would like to ask you a favor, sir.

I recently heard that there is, in almost every oil city in Texas, at least one example of the Hollywood idea of an oilman, sir. I feel I would like to correspond with some of them, so would you mind letting me know the names and addresses of them, sir? If you would even feel like helping me in this matter, I would be very happy and grateful, sir.

I hope everything is all right with you and in your college, sir.

Cordially yours  
Seiro Makidono,  
No. 1993, Oaza Hano,  
Tabuse Town,  
Kamaguchi County,  
Yamaguchi Prefecture,  
Japan

Any Hollywood-type Texas oilman seeking a pen pal can correspond directly with Seiro.

## Food Paper Given

G. T. King, professor in the Animal Husbandry Department will present a paper to the Texas Independent Meat Packers Association on Food Technology in Dallas on August 15.

## Weather Today

PARTLY CLOUDY

The temperature at 10:30 this morning was 81 degrees. Yesterday's high and low mercury readings were 91 and 72 degrees.

## Minnesota Man Named YMCA Associate Head

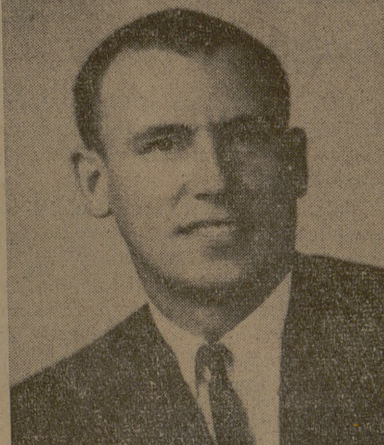
Carl Zietlow of Rochester, Minn., has been named associate secretary of the YMCA of A&M.

Zietlow and J. Gordon Gay, co-ordinator of Religious Life and General Secretary, will devote their time to the development of the YMCA program. Zietlow with his wife and baby will move to College Station this fall upon being released from military service.

Zietlow holds two degrees from the University of Minnesota. While in college he belonged to Silver Spurs and Gray Friars, honorary organizations and the Sigma Alpha Epsilon social fraternity.

He was also active in the program of the YMCA serving as chairman of the Freshman Camp Committee and as a counselor for the camp. Zietlow attended several student conferences of the YMCA on sectional, state and national levels. During the summer of 1953 he participated in the New York Leadership Training School for YMCA presidents.

He received the King Gustav award for his work with the International Students at the University of Minnesota. In addition to his work with the YMCA he was active in other campus activities, serving as chairman of the Campus Political Party, Campus Chest Committee and the International Relations Committee.



Carl Zietlow  
YMCA Associate Secretary

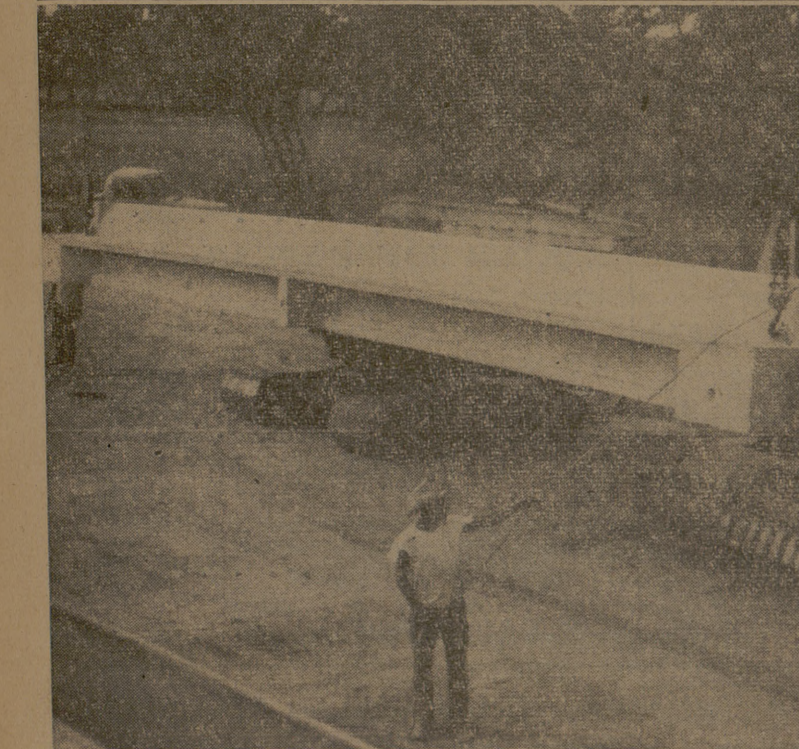
## Lions Hear Talk On Guided Missiles

Wayne Stark, director of the Memorial Student Center, presented a program on guided missiles to the Monday noon meeting of the College Station Lions Club.

He spoke to the members of the civic club about the progress being made by the army in their missile research program. Stark recently spent two weeks active duty at the Pentagon working in the Army's missile program.

He showed a film recently released by the army which gives a rundown of all the missiles currently being used by the army.

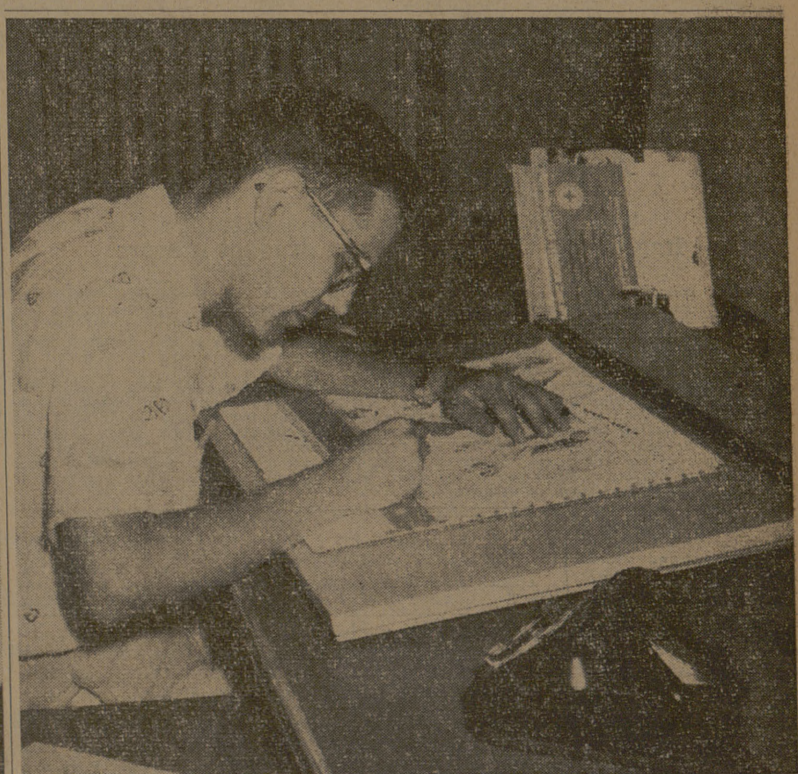
Stark announced to the group that Gen. Alvin R. Lueddecke, head of the nuclear warhead program for the Department of Defense and a former aggie, would be a great issues speaker on the campus this fall.



HANDLING 6½ TONS OF CONCRETE is not an easy job even for two cranes. The Texas Highway Department, under the direction of the Texas Transportation Institute used spans such as this one in building a unique bridge.



Martha Fletcher and Claire Rogers



DRAWING LAYOUTS FOR THE FRESHMAN EDITION is Dudley Stewart, advertising salesman for The Batt. The deadline for advertising in the special edition 'which will be mailed out soon' is August 15.