

## FULL WEEKEND PROGRAM HERE HONORS PARENTS

### Engineers Exhibit Their Departments Today at 11th Show

#### Everything From Chemical Flowers To Model Steel Bridge Will Be Displayed

For the eleventh successive year A. & M. Engineers will demonstrate machinery, materials and operations in six departments of engineering today from 9:00 a. m. to 9 p. m. A large crowd of mothers and dads, arriving early for the Mothers' and Dad's Day program, students and other visitors are expected to visit the departmental shows.

Wm. P. Smith, Jr., president of the student chapter of the American Institute of Electrical Engineers, is in general charge of the program, which has been arranged in a systematic order so that visitors may go from one exhibition to another.

Dean F. C. Bolton announces that because of Engineers' Day activities, junior and senior engineering students will be excused from all Saturday classes.

The departments participating in the show and the program they offer are as follows:

The Architecture Department's show will be on the fourth floor of the Academic Building, among the sculptures and architectural materials. Open house will be held with student guides on hand to show the visitors through the department. Exhibits will include representative student work, and work of prominent Texas architects.

The Chemical Engineers' exhibit, in the Chemistry Building, will be under the supervision of A. T. Hingle. The outstanding attraction of that department will be a liquid air show in the lecture room which will be given three times—at 2:00 p. m., 4:00 p. m., and 8:00 p. m. Other individual projects will be

1. Model sulphur plant.
2. Plastic golf tees from furfural.
3. Paper from Southern yellow pine.
4. Cellulose acetate plastics.
5. Soap exhibit.
6. Photography.
7. Chemical Warfare Demonstration—3:00 p. m.
8. What goes into a chemical engineer.
9. Model lead chamber sulfuric acid process.
10. Chromium plating.
11. Model cottrell precipitator.
12. Chemical flowers.
13. Overflowing oil well.
14. Nitrating cellulose.
15. Lie detector.
16. Finger printing (clock reactions).

Chairman of the exhibit for the Civil Engineering Department for this year is Jack West. Equipment for all branches of work in this department will be on display in the Civil Engineering Building. The following displays are planned:

1. Highway laboratory; all equipment on display.
2. Hydraulics Laboratory.
  - a. Triangular wier.
  - b. Pumps.
  - c. Gages.
  - d. "Fountain of Youth."
3. Soils Laboratory.
  - a. Equipment on display.
  - b. Experiments run on different types of soils.
4. Strength laboratory.
  - a. Equipment on display.
  - b. Testing concrete cylinders.
  - c. Trich weighing apparatus.
5. Surveying display.
  - a. Equipment on display.
  - b. Plane table demonstration.
  - c. Display of old field notes collected from original surveyors in Texas.
6. Special problem.

Construction of a steel bridge with a concrete floor and sand-asphalt pavement approach.

The largest of the engineering department exhibits belongs to the Electrical engineers, whose twenty-six exhibits will show some of the latest and most interesting developments in the electrical field. The exhibit will be in the Electrical Engineering Building, and will include:

1. Tesla Coil demonstration.
2. High voltage exhibit using a surge generator.
3. High voltage show using a swinging pendulum to draw spark.
4. Trick appearing to change individual's head to skull.
5. Fluorescent lamp display.
6. Polarized light exhibits.
7. Stroboscope exhibit.
8. "Magic" control devices using the photo-electric cell.
9. Small train controlled completely and entirely by voice.
10. Short wave radio display.
11. Voice transmission by light.
12. Model illumination display.
13. Signal Corps show.
14. Small motor driven by heat (sunrays or flame of a match).
15. Popcorn popped (no heat; eddy currents in iron core).
16. Strength test (crank or rotor of synchronous motor, field on or off).
17. Small set of selsyn motors to operate dials.
18. "Jumping rings" (electro-magnetic controlled ring pitching game).
19. "Magnetic Telephone," ordinary Bell telephone disconnected but operating satisfactorily.
20. Demonstration using a laboratory built radio frequency unit like those used in new medical treatment of cancer, fevers, etc. (Plenty of heat, but can't be felt).
21. Engineers' Day sign.
22. Visitor counter (photo-electric cell).
23. Voice frequencies changed to light frequencies thus showing color of person's voice.
24. Oscillograph exhibit showing "shape" of voice.
25. Various exhibits using "variable vacuum" lighting tubes containing various gases.
26. Other exhibits showing trick and also worthwhile uses of relays, etc.

There will be at least one demonstrator with each exhibit from 9:00 until the last visitor leaves that night. The exhibits will be built

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#### They'll Hold Important Jobs Next Term



Wm. A. (Bill) Becker, junior of C Field Artillery, is editor-elect of the Longhorn, school annual, for 1940-41.



Paul Haines, junior of D Cavalry, is manager-elect of A. & M.'s Town Hall for the coming session.



Jack Nelson, junior of the Infantry Band, is social secretary-elect for the year 1940-41, and will manage the dance program.

## Distribution of Big 1940 Longhorn Begins Wednesday

The Longhorn for 1939-40 will be ready for distribution beginning Wednesday. Because there is a review for federal inspection scheduled at 1:00 p. m., the yearbooks will be passed out beginning at 3:00 p. m. According to Doug Watson, business manager of the Longhorn, since time will be limited, distribution will be made only to seniors Wednesday afternoon.

This year's Longhorn is the largest, not only in pages, but in total number distributed, that has ever been published at the college. An even 500 pages are in the book, and 4,200 have been printed and bound. The binding of the Longhorn is blue and silver, and further color is added to the book by the natural color pictures of the campus buildings. "This will add much to the appearance of the book, and will make it lasting and colorful evidence of the beauty of our campus," said George Smith, editor of the 1940 Longhorn. Included in the book is a special section on

the Sugar Bowl Corps Trip, made up of pictures and descriptions of the eventful New Year's football game when the corps followed their National Championship Team to the New Orleans Sugar Bowl. Other sections on the corps, military organizations, clubs, athletics, activities, etc., have received extensive treatment in this annual.

Assisting George Smith in editing the 1940 Longhorn have been managing editor James Shultz and business manager Doug Watson. At the recent election, Bill Becker was selected to be the editor of next year's publication.

The plans for the distribution of the books is as follows:

Seniors—Wednesday, May 15, 3:00 to 5:00.

Juniors—Thursday, May 16, 1:00 to 3:00.

Sophomores—Thursday, May 16, 3:00 to 5:00.

Freshmen—Friday, May 17, 1:00 to 5:00.

Further details of the distribution office.

In order to make the people of this state and others more conscious of the number of engineers attending A. & M., the students of the School of Engineering have recently begun a drive for the adoption of a distinctive key to be worn by engineering students. The key which has been proposed is a gold image of the state of Texas, plain, with no letters or engraving on the front side. On the back is to be the owner's name, the school and the date of his graduation. It has been suggested that this key become the official insignia for the School of Engineering, and that it be purchased each year by graduating

engineers through the Registrar's Office. It has also been proposed that these keys be made available for all engineers who have graduated from A. & M.

The reason for the drive for these keys is that most people underestimate the number of engineers who are attending school here because they think the school is principally agricultural. A checkup has shown that the people as a whole were assuming that not more than ten per cent of the student body are engineering students.

The design which will be used was submitted by Dean Gib Christensen to the student committee, and was favored unanimously by the committee members.

### ARCHITECTURAL DEPARTMENT TO SPONSOR HOUSING CONFERENCE

Nationally-known representatives of all branches of the building industry will take part in a Conference on the Low-Cost House at Texas A. & M. May 17-18.

They will be headed by Richard J. Neutra, of Los Angeles, California, one of the outstanding architects of the country. Speakers from outside the state will also include Ray Crow, engineer of the Sales Production Division of the Tennessee Coal, Iron and Railroad Company, Birmingham, Alabama; J. C. Conway, vice-president of the Federal Home Loan Bank, Little Rock, Arkansas; G. C. Harmon, Land Planning Consultant of the Federal Housing Administration, St. Louis, Missouri; Joseph Weston, Douglas Fir Plywood Association, Los Angeles, California; and

The Conference is being sponsored by the Department of Architecture of the School of Engineering and the Architectural Club of Texas A. & M.

### BAPTIST CHURCH TO HAVE SPECIAL SERVICES SUNDAY

The First Baptist Church of College Station will have a special Mothers' Day program during its services Sunday. The program which will be given at the morning services will include a reading by Miss Betty Sue Atkins and a mixed quartet, singing "If I Could Hear My Mother Pray Again" by Vaughn. Cadet James Berthman will bring a tribute to "Father" and W. E. Kent, president of the Baptist Student Union, will pay a tribute to "Mother."

The pastor will close the service with a short appropriate message for the occasion.

The pastor's subject for the evening service will be "Our Crumbling Foundation," and Mrs. J. M. Miller will sing "My Mother's Prayer."

## 10,000 Visitors Will Be Regaled With Two-Day Festivities

#### Extensive Program Planned To Make Parents' Visit To Campus Enjoyable

By LEE ROGERS

Parents of Aggies from all parts of the state will gather at Aggieland this week-end for the Mothers' and Dads' Day review Sunday morning when the entire cadet corps will fall out to pay tribute to their mothers and fathers. The review will set off the week-end of festivities which are staged each year in order that the parents may become better acquainted with the work, customs, and school which their sons are attending.

In order to accommodate parents who wish to spend Saturday night on the campus, Walton Hall will be vacated. Occupants will vacate the hall in time that visitors may move in by 3 p. m. Saturday. As an added convenience in the new dormitory area the lounge in Kiest Hall will be open from 2 p. m. Friday until 8 p. m. Sunday.

A program to make the visitors'

stay on the campus an enjoyable one has been worked out. From 2 p. m. until 5 p. m. Saturday the Brazos County A. & M. Mothers Club will sponsor a tea which will be held in the lobby of the Y. M. C. A.

For those who are interested in sports there will be a baseball game between A. & M. and Baylor University on Kyle Field at 2 o'clock.

President and Mrs. T. O. Walton will hold a reception at their home for the visiting parents Saturday evening at 7:30 and from 9 until 12 Russ Morgan will play for the Corps dance in Sibbs Hall.

At 8:30 Sunday morning all organizations will fall out for the traditional flower-pinning ceremony that is carried out before the review each year. The flowers are pinned on the blouse of each cadet by the organization com-

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### Mothers' and Dads' Day Program

SATURDAY, MAY 11

Engineers' Show—Open House—All	9:00 A. M.- 9:00 P. M.
Tea Honoring All Visiting Parents—	
Y. M. C. A. Lobby by Brazos	
County A. & M. Mothers' Club ... 2:00 P. M.- 5:00 P. M.	
Baseball Game—Baylor vs. A. & M. ... 2:00 P. M.	
Picture Show in Assembly Hall ..... 6:45 & 8:45 P. M.	
Reception at President's Home ..... 7:30 P. M.	
Corps Dance in Mess Hall ..... 9:00-12:00 P. M.	

SUNDAY, MAY 12

Pinning of Flowers on Cadets .....	8:30- 9:30 A. M.
Review of Cadet Corps for Mothers.....	10:00 A. M.
Program at Guion Hall Honoring	
Mothers and Dads .....	11:15 A. M.
Lunch .....	12:15 P. M.
Dormitories, Except Walton Hall,	
Open to Visitors .....	1:30- 3:30 P. M.
Ross Volunteer's Exhibition Drill .....	2:30- 3:30 P. M.
Concert by A. & M. Band, in Triangle	
Near the President's Home .....	3:30- 4:30 P. M.

### AGGIE BAND CONCERT

MAY 12, 3:30-4:30

1. March: "Landa Park" .....	Hayward
2. Overture: "Il Guarany" .....	Gomez
3. Solo for Trumpet: "Brown's Autograph Polka" .....	Casey
Performed by Cadet Capt. Merrill Smith, '40.	
4. Valse des Fleurs: from "Nut Cracker Suite", Tschaikowski	Confrey
5. Divertissement: "Dizzy Fingers" .....	Sibelius
6. Tone Poem: "Finlandia" .....	William Bilsing, Harpist.

Richard J. Dunn, Conductor.

In case of inclement weather the concert will be played at Guion Hall.

## Annual Inspection of ROTC Units At A. & M. To Be Held Tuesday, Wednesday

Beginning Tuesday morning at 8 a. m. and extending through Wednesday, the annual federal inspection of ROTC units will be carried on at A. & M. by a board of eight army officers representing the Eighth Corps Area.

The board will be headed by Colonel Edward A. Keyes, Cav., Civilian Components Officer, Headquarters Eighth Corps Area, Fort Sam Houston, Texas. Other members of the board include Col. Theodore K. Spencer, Inf., Headquarters Eighth Corps Area; Col. Oscar C. Warner of the Coast Artillery; Lieut.-Col. Edward Montgomery of the Chemical Warfare Service; Major John E. Maher, Cavalry; Major Howard M. C. Yost, Corps of Engineers; and Major William F. Kerman of the Field Artillery. The officer from the Signal Corps will be designated at a later date.

The inspection will determine the rating of the college for the coming year. Grades of Excellent, Satisfactory, and Unsatisfactory are given by the board, and according to Col. Moore, this college has never in its history failed to receive its rating of Excellent. Colleges receiving this Excellent rating are eligible to wear the blue star on the right sleeve of the dress uniform.

Major General Walter C. Baker, Chief of the Chemical Warfare Service, will visit the campus May 17 and 18 to present the Baker Trophy to the best drilled platoon in the Chemical Warfare Service. General Baker will arrive at 10 a. m. Friday and will be met by a Cavalry escort, which will conduct him to the President's office. As soon as he enters the campus he will be given the cannon salute prescribed for a Major General. During the afternoon General Baker will review the Corps and during the review will present the Trophy to the 2nd Platoon, Company C, Chemical Warfare, which won this trophy for the year 1939-40 in competition with the other platoons of the Chemical Warfare Service.

Cadet 1st Lieutenant B. C. Barnes is the Platoon Commander of the winning platoon. The Platoon Sergeant is Cadet Staff Sergeant C. H. Colgin, Jr. and the platoon ammunition sergeant is Cadet Sergeant R. L. Sweeney.