

Baylor Will Host Area Geologists

A Mid-Cretaceous Shale Environments Field Conference will be held at Baylor University Saturday and Sunday. The purpose of the conference is to study outcrops of the Del Rio Clay, Bluebonnet member of the Lake Waco Formation.

Area geologist have been invited to attend.

CIVILIAN FRESHMEN AggieLand '65

Civilian Freshmen will have their pictures taken for the AggieLand '65 starting the 5th of October and running through the 16th of October. Pictures will be taken at the AggieLand Studio at North Gate between the hours of 8:00 a. m. and 5:00 p. m. Coat and ties should be worn.

ATTENTION ALL HOMETOWN CLUB REPRESENTATIVES

The hometown club section of the "AggieLand" staff has announced that the last date for scheduling club pictures for the "AggieLand" will be 18 December, 1964. The final day for having the pictures made will be 1 March, 1965. Please make arrangements to have your picture scheduled before the deadline.

Dave Baker, Section Editor
R. D. Baker

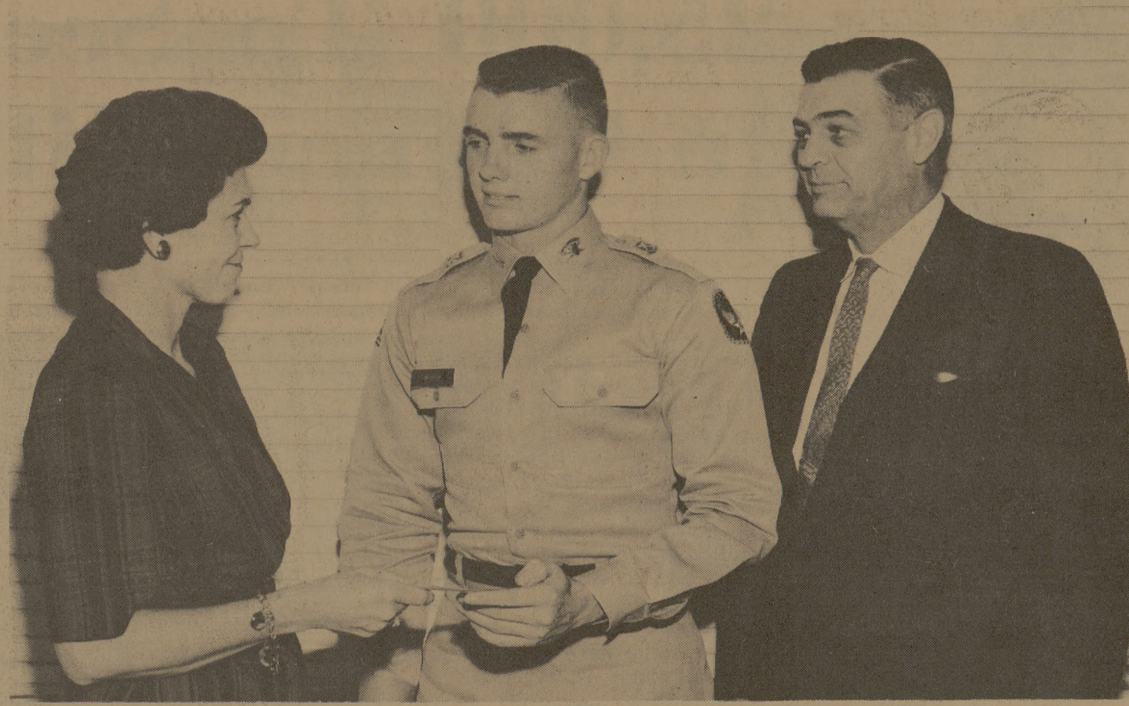
PICTURE SCHEDULE AGGIELAND '65

Outfit pictures for the AGGIELAND will be made according to the schedule below.

Uniform will be class A Winter. Outfit C.O.'s will wear sabers; seniors will wear boots. The jackets may be worn if all seniors in the outfit can obtain them. Guidons and award flags will be carried. All personnel in the outfit will wear the billed service cap issued by the college. The type of cap worn by underclassmen to and from the picture taking area is left to the discretion of the outfit C.O.

Outfits should be in front of the Administration Building by 12:30 hrs. on the appointed day. Arrangements should be made by first sergeants with the Mess Hall supervisors to allow the outfit to be admitted to the Mess Hall early.

- October 5 — C-2, D-2
- 7 — A-3, B-3
- 8 — C-3, D-3
- 9 — E-3, F-3
- 12 — G-3, H-3
- 13 — Sqd 1, Sqd 2
- 14 — Sqd 3, Sqd 4
- 15 — Sqd 5, Sqd 6
- 16 — Sqd 7, Sqd 8
- 19 — Sqd 9, Sqd 10
- 20 — Sqd 11, Sqd 12
- 21 — Sqd 13, Sqd 14
- 22 — Sqd 15, Sqd 16
- 23 — Sqd 17, Sqd 18
- 26 — M-Band



Amyx Memorial Scholarship
Joe Bricker, center, A&M sophomore majoring in mechanical engineering from Lexington, receives a \$300 check as first recipient of the J. W. Amyx Memorial Scholarship provided annually by the Gulf Coast Section of the Society of Petroleum Engineers. Mrs. Amyx, left, and Fred Benson, dean of engineering, make the presentation.

Traveling Prof Develops Automatic Lawn Sprinkler

By The Associated Press
For Theodore (Ted) A. Noyes, watering the lawn is just a chore that sorta messes up a day-or-a-trip.

So the mechanical engineering professor at A&M developed his own completely automatic watering system. The system even tells itself whether or not the grass needs water.

This came about when Noyes decided to enroll at the Massachusetts Institute of Technology two summers ago.

One major problem was what to do with the lush lawn he had spent years cultivating. The professor hired a high school lad to carry the water hoses and to mow the lawn.

Before the next summer arrived, Noyes felt he could save money by installing his own system. That's what he did, but one problem still remained: how to turn the underground sprinkler system on from Massachusetts?

Noyes decided the thing had to be completely automatic.

Now, at exactly 10:30 each night, a collection of mechanical gadgets makes the decision whether to water or not, while Noyes is sleeping.

Here briefly is how the system was designed.

Noyes purchased valves and

sprinkler heads, the only materials he had to buy.

He took the interior from an old clock and fastened the gears to a long cylinder-shaped, hollow pipe. An extra gear in the mechanism resulted in one complete revolution of the drum for each 24 hours.

A piece of brass screen, buried about two inches down, serves as the moisture sensor. Eight valves feed water to different areas of his lot.

At 10:30, the mechanical brain comes on, Noyes explained.

"It first determines if the soil is wet or dry," the professor added. "If the soil is wet, an electrical current flows and switches off a circuit to the sprinklers."

"If the soil is dry, current reaches the solenoid valves in a times sequence to begin the watering. Each watering circuit is individually timed to ration water needs, depending upon the area of the lot."

This operation is repeated every 24 hours while the Noyes family snoozes on.

The A&M mechanical engineer said the unit has reduced his water bill over 50 per cent. The entire system, minus his own labor, only cost \$300.

One problem still plagues Noyes, however — mowing the lawn. He's studying about how

to get a mechanical mower-brain to do that.

AMONG THE PROFS Ledbetter Named To Highway Board

Dr. W. B. Ledbetter, assistant research engineer of the Texas Transportation Institute at A&M, has been named to a national committee of the Highway Research Board. He will serve on a Committee MC-B1 Durability of Concrete—Physical Aspects.

He was recently appointed to the concrete and aggregates committee of the American Society for Testing Materials and the lightweight concrete and aggregates committee of the American Concrete Institute.

★ ★ ★
P. M. K. Gandhi, senior scientific officer of the Central Road Research Institute of New Delhi, India, has been employed as a research assistant in the Department of Highway Materials of the Texas Transportation Institute at A&M.

He will be working toward an advanced degree in civil engineering with a major in highway materials and engineering under the direction of professor Bob M. Gallaway, head of the Department of TTI Highway Material.

Grandhi holds a B.S. degree in

mathematics, physics and chemistry and B. Tech. degree in civil engineering, both with first class honors. He worked two years for the Central Water and Power Commission of India and four years with the Central Road Research Institute before coming to A&M.

★ ★ ★
Ronald Pine, a graduate student in management, worked in Pakistan this summer for the University of Maryland in connection with disease study.

"The disease, scrub typhus, is transmitted to animals by chiggers," Pine said, "and I shot and trapped animals in the Himalayas in northern Pakistan for study purposes."

Before making the trip, Pine spent a month at the Smithsonian Institute in Washington, D. C. studying examples of animals native to Pakistan.

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DEGREE FILING DEADLINE SET FOR OCTOBER 19, 1964

Applications for degrees are now being accepted in the Registrar's Office from all students who expect to complete their degree requirements by the Fall Semester. Candidates for advanced degrees must file their applications with both the Registrar's Office and the Graduate Dean's Office. The deadline date for filing applications is October 19, 1964.

H. L. Heaton
Director of Admissions and Registrar 8018

Ph.D. Language Examination
Examinations for meeting the foreign language requirement for the Ph.D. degree will be given Tuesday, November 10, from 6:00 to 9:00 p. m. in Room 129, Academic Building. Students wishing to take this examination should apply to the Graduate office for a letter of authorization not later than October 26. Instruction sheets are available from the secretary in the office of the Department of Graduate Studies.

Wayne C. Hall
Dean of Graduate Studies 79112

January Graduates may begin ordering their graduation invitations starting October 1-30, only, Monday-Friday, from 9-4, at the Cashier's Window, Memorial Student Center. 76119

Students interested in applying for a Rhodes Scholarship should confer with R. H. Ballinger, 302-C Academic Bldg., prior to October 9. 7418

It is now time for all student organizations to apply for official recognition at the Student Finance Center, Memorial Student Center. The deadline is October 15, 1964. 6818

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