

"It was when I said my doctor's appointment was in Baton Rouge that it happened!"

Receives funding

Measuring done by radiation

Means of detecting impurities in metals and semiconductors used in solid state electronics will continue at TAMU through a \$36,300 National Science Foundation grant.

Dr. Emile A. Schweikert directs the Activation Analysis Laboratory-based project, which

began last year and now totals \$48,300 NSF funding. The new grant covers the next 12 months.

Schweikert and his group are using activation analysis methods to develop new analytical techniques for measurement of extremely small traces of light elements, such as oxygen and

nitrogen.

Activation analysis, a process in which chemical composition is determined by nuclear radiation, can detect traces of elements too small for measurement by other means. Schweikert's research is concerned with measurement of oxygen and nitrogen traces in quantities as small as a billionth of a gram.

New analytical techniques under study are based on nuclear activation analysis, using high energy charged particles generated by the university's 88-inch variable energy cyclotron.

"Particles we are working with may open entirely new ways of analysis," the chief investigator said. He said trace elements in semiconductors affect solid state properties of integrated circuits.

Reaching new accuracy levels of measuring minute amounts of oxygen in high purity silicon, for example, is an important step toward improved integrated circuit design, Dr. Schweikert added.

"Chemical analysis techniques now in use are inadequate for the high purity semiconductors

and metals available," the associate professor of chemistry and chemical engineering said.

Further advances in aerospace and nuclear energy fields, solid state electronics and electrical design will depend on more sensitive analytical techniques. To produce high purity materials, better means of gauging efficiency of purification processes and evaluating helpful or harmful effects of trace elements on properties of metals and semiconductors are needed, he said.

Working with Schweikert, a member of the Activation Analysis Lab and chemistry department staffs, are post-doctoral fellow Dr. Dale L. Swindle and chemistry doctoral graduate students Georgann Pifko of Dolton, Ill., and David C. Riddle of Marshall.

Bulletin Board

- Tonight**
Panhandle Home Town Club will meet in room 3C of the Memorial Student Center at 7:30 to organize.
- Student Senate will meet in the Library Conference room at 7:30.
- Pre-vet Society meets in room 100 of the Chemistry building at 7:30.
- Cepheid Variable Science Fiction Club meets in room 146 of the Physics Building at 7:30.
- Young Americans for Freedom meets at old City Hall, 101 Church Street, College Station at 7:30.
- Friday**
Society of Iranian students will elect officers at 7:30 in the So-

- cial room of the Memorial Student Center. All Iranians are urged to attend.
- Organization of Arab Students meets in room 2A of the Memorial Student Center at 7 to hold elections.
- Tuesday**
Bio-Medical Science Association will meet at 7:30 in room 210 of the Veterinary Science Building.
- Student "Y" Association will hold a steak fry in Hensel Park area 1 at 5:30.
- Young Democrats will hear Lane Denton, state representative from Waco, speak at the old College Station city hall at 7:30.
- Junior Class Council meeting will be held at 8 in the library conference room.

The Battalion

Opinions expressed in *The Battalion* are those of the student writers only. *The Battalion* is a non-tax-supported, non-profit, self-supporting educational enterprise edited and operated by students as a university and community newspaper.

LETTERS POLICY

Letters to the editor must be typed, double-spaced, and no more than 300 words in length. They must be signed, although the writer's name will be withheld by arrangement with the editor. Address correspondence to Listen Up, *The Battalion*, Room 217, Services Building, College Station, Texas 77843.

Members of the Student Publications Board are: Jim Lindsey, chairman; H. P. Eilers, College of Liberal Arts; F. S. White, College of Engineering; Dr. Asa B. Childers, Jr., College of Veterinary Medicine; Dr. W. E. Tedrick, College of Agriculture; and Layne Kruse, student.

Represented nationally by National Educational Advertising Services, Inc., New York City, Chicago, Los Angeles and San Francisco.

The *Battalion*, a student newspaper at Texas A&M, is published in College Station, Texas, daily except Saturday, Sunday, Monday, and holiday periods, September through May, and once a week during summer school.

MEMBER

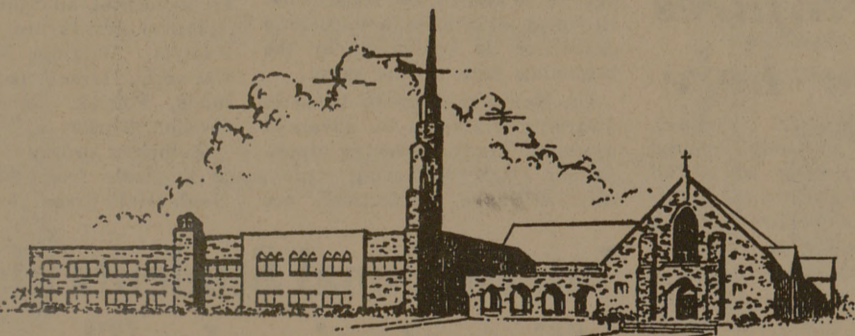
The Associated Press, Texas Press Association
The Associated Collegiate Press

Mail subscriptions are \$3.50 per semester; \$6 per school year; \$6.50 per full year. All subscriptions subject to 5% sales tax. Advertising rate furnished on request. Address: *The Battalion*, Room 217, Services Building, College Station, Texas 77843.

The Associated Press is entitled exclusively to the use for reproduction of all news dispatches credited to it or not otherwise credited in the paper and local news of spontaneous origin published herein. Rights of republication of all other matter herein are also reserved.

Second-Class postage paid at College Station, Texas.

EDITOR HAYDEN WHITSETT
Managing Editor Doug Dille
News Editor Sue Davis
Sports Editor John Curylo
Assistant Sports Editor Bill Henry



FIRST METHODIST CHURCH

of Bryan

EXTENDS A SINCERE WELCOME TO PARTICIPATE IN OUR

"CELEBRATION FOR CHRIST"

Sun. Sept. 19th — "Youth Night" Speaker, Roddy Bland

Sept. 20, 21, 22: Evangelist, MOUZON BIGGS, Assoc. Pastor,
First United Methodist, Houston

Services: 7:30 p. m. — 10:30 a. m.

FIRST METHODIST EXTENDS A HEARTY WELCOME TO ALL STUDENTS STAFF & FACULTY

Church Services: 8:45 a.m., 10:55 a.m., 7:30 p.m., Sunday School 9:45 a.m.

In Texas

Evolution decides which text

AUSTIN (AP) — An agreement to remove from a sixth-grade textbook a drawing depicting the evolution of man was estimated to be worth \$1 million Wednesday.

The State Textbook Committee selected four of 16 sets of books on the first ballot, then voted through five more ballots without getting the necessary 10 votes for a fifth set.

The vote stood 9-6 in favor of Laidlaw Bros., a division of Doubleday & Co., over Jones-Kenilworth Co. All other publishers were out of the race at the point.

A committee member mentioned the drawing of the evolution of man on page 40 of the sixth-grade textbook and asked a Laidlaw representative about it.

The representative, Felix Laiche of Dallas, said, "I have been authorized by the president of Laidlaw if that question came up to say we will remove the drawing."

Laiche waited eagerly for any further questions. Publishers' representatives do not speak to the committee unless spoken to. There were no more questions. Laiche sat down in the packed hearing room and watched the seventh round of balloting.

Laidlaw won, 13-2.

Other publishers' representatives crowded around Laiche and shouted congratulations. A huge grin lifted Laiche's heavy cheeks.

Asked what it was worth to his company for its social studies textbooks for grades 1 through 6 to gain the committee's approval, Laiche said: "Oh, about a million."

He estimated the company would spend \$3.5 million on printing the books and would make a net profit of about one-third.

In response to a question, he said he worked on commission.

Final approval must come from the State Board of Education at its Nov. 13 meeting, but the board normally accepts the committee's recommendations.

Approval means only that the company may offer its books to individual school districts. If all five sets of social studies books for elementary schools are okayed by the State Board of Education, that means each school district has a choice of five publishers for social study textbooks.

Three of the approved publishers were among those who had books that drew protests at a committee hearing Tuesday.

Charles H. Dahlstrom of Austin found objection to this pass-

age in Harcourt Brace Jovanovich, Inc.'s first-grade textbook:

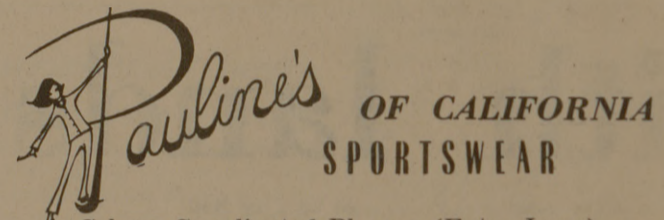
"A project: Teach the children the song, 'Our Beautiful Earth,' by Francis E. Jacobs, which is about friendship. 'How Beautiful is the Green Earth, the stars in the heaven above! But what would the whole world be worth if we did not fill it with love, if we did not fill it with love?'"

"Why teach that love is the primary value in the world?" Dahlstrom demanded in his written protest. "I object to students being taught to love all forms of government in the world when some of them are bent on destroying us. Why not use one of our country's songs such as 'America the Beautiful' and point out some of the beauty and love in our own country?"

The publisher said Dahlstrom had taken the project suggestion out of context. "The objective of the lesson is to help children appreciate pure air (oxygen content of the air related to the maintenance of the 'green earth')."

One of the books that failed to win approval, "The Human Adventure," a fifth-grade textbook published by Allyn and Bacon, Inc., contains a line that says, "From his background, Jesus gained his ideas about God."

Mrs. H. G. Vanderlee of Tyler argued that, "The Bible teaches that Jesus was God in the flesh on earth and knew God from the beginning. The book is teaching religion — a form of religion contrary to fundamental Christian belief."



Color - Coordinated Blouses (Extra Long)
Shells, Sweaters, Bermuda Shorts, Skirts,
2 & 3 Piece Pantsuits.

NO ITEM OVER \$4.00

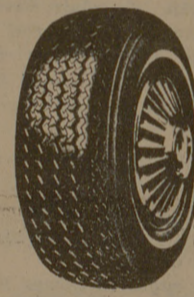
Top Quality Sportswear — An Unusual Store Located In

RIDGECREST SHOPPING CENTER

3527 Texas Ave.

Phone 846-0123

Michelin makes one grade of tire. The best.



MICHELIN
"FOR SAFETY'S SAKE"

Exclusively At

ZUBER TIRE CO.

Since 1925

1219 South College Ave. 823-0613

Keep In Touch With Campus Happenings by Staying Tuned to BCS*TV/9.

Mondays, Tuesdays, Thursdays, Fridays at 7 p.m.: "A&M Today", a live, informal talk show featuring students and student activities at Texas A&M. Host for this timely program is Cadet Senior Randy Durham.

Wednesdays at 7: University Bowl, a battle of wits, pitting teams from Corps and civilian unite and dorms in a contest for cash scholarships. Watch the premiere on September 15.

Mondays at 7:30: The Spec Gammon Show. A&M's sports information director discussed the game of the week, shows film highlights of last week's contest and interviews the fight-in' Texas Aggie team.

BCS*TV/9

Available exclusively on
MIDWEST VIDEO
The CATV Professionals

PEANUTS

