

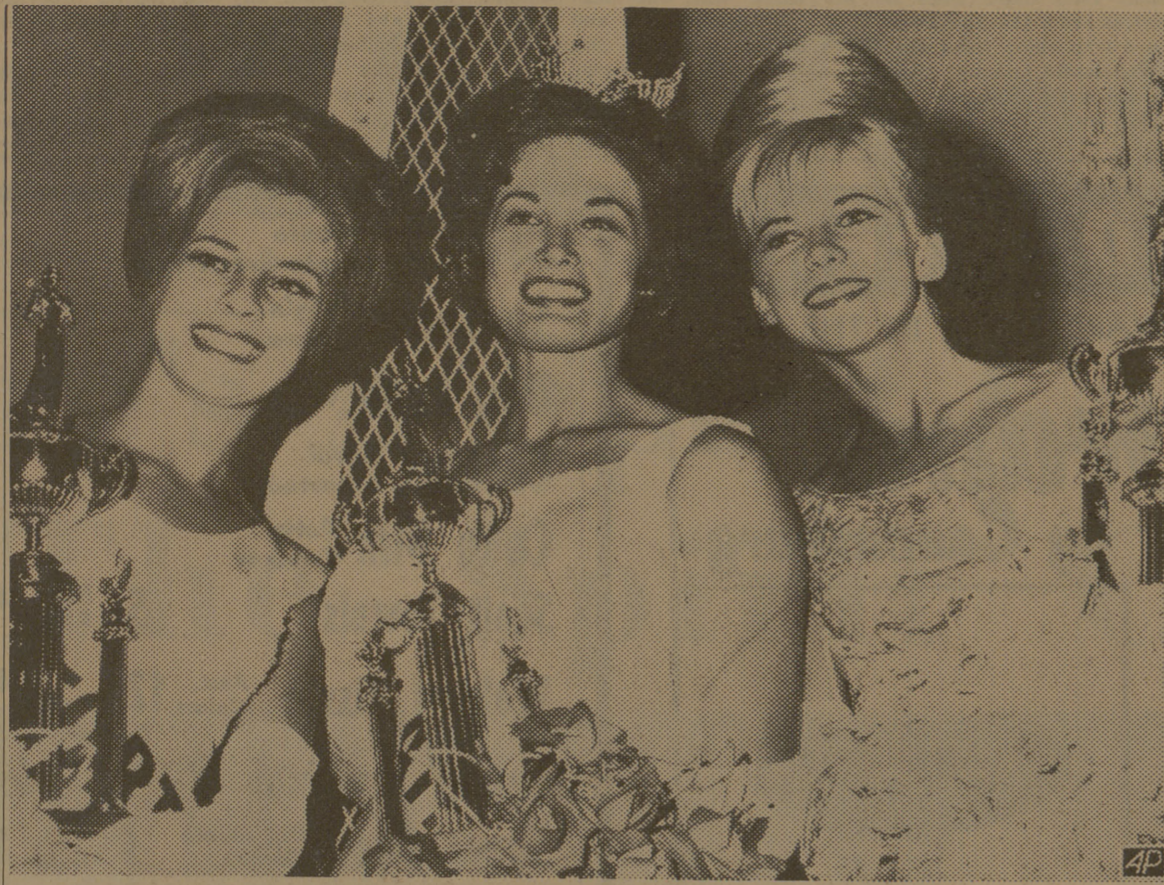
# Texas Tech Ag Education Confab Held

Four staff members of the Department of Agricultural Education are participating in the 13th Annual Southern Regional Conference in Agricultural Education being held at Texas Tech.

Major emphasis will be placed on research pertaining to the 1963 National Vocational Education Act. The conference will run through Friday.

Dr. Earl Webb, associate professor in the A&M Department of Agricultural Education, and T. L. Leach, head of Texas Tech's Department of Agricultural, will serve as conference co-chairman. Dr. Earl H. Knebel, head of A&M's Department of Agricultural Education will serve as general chairman of the second general session. Others attending will be Billy F. Irick, assistant professor and Bill Jackson, graduate teaching assistant.

Featured participants in the conference will be Dr. Duane Nielson, specialist in teacher training and research, U. S. Office of Education, and Dr. Robert Taylor, director, Center for Advanced Study and Research in Agricultural Education, Ohio State University.



**Trio Of Beauties**  
Miss Texas of 1965, Sharon McCauley of Athens, center, and her runners-up, Lenda Lee Varley of Fort Worth, left, and Marilyn Kay Lewis of Arlington, right, pose with their trophies at the climax of the Miss Texas Pageant held in Fort Worth Saturday. (AP Wirephoto)

# Automatic Lawn Sprinkler Saves Time, Effort, Cash

Consider the poor fellow armed with water hoses and sprinklers, preparing to quench the thirst of his parched lawn.

Then there's the other fellow who simply turns a valve, which sends water through underground pipes in order to satisfy the lawn's thirst.

But Theodore (Ted) A. Noyes really has the time-consuming chore all figured out. The water-sprinkling decision is made by an electronic gadget he designed.

Noyes, a mechanical engineering professor at A&M University, de-

cid 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 guts 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 timed 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 percent. The entire system, minus his own labor, only cost \$300.

One problem still plagues Noyes, however—mowing the lawn.

# History Prof Challenges Number Defending Alamo

How many men died defending the Alamo?

Dr. Thomas L. Miller of the A&M University history faculty places the total at 175 men but says further research may eliminate "a few more names from my list." He has strong doubts about "perhaps half a dozen men" on his list but lacks sufficient proof they were not at the Alamo.

Earlier studies have placed the total at 183 or 187 defenders.

"It was but a small affair," General Antonio Lopez de Santa Anna said that sunny morning after the grim fight ended with the Alamo defenders dead. Mexican losses totaled some 600 killed and wounded.

Mexican reports concerning the number of Alamo defenders vary. One account places the total at 183.

Miller's interest in the roll of men and boys who fought for Texas in 1835-36 dates to his doctoral studies under the late Dr. Walter

Prescott Webb of the University of Texas.

Land grants were awarded to all who fought for Texas, or to their survivors, and Miller found detailed particulars of each man's military service in the General Land Office files. The professor spent days poring over the records written in ink now faded with age.

In 1956 Miller completed his two-volume doctoral dissertation, "Bounty Land Grants of Texas, 1835-1888," and then began studying records of the so-called Donation Land Grants.

Miller's dissertation is among those cited by Walter Lord in "A Time To Stand," a popular account of the Alamo published in 1961. But Miller did not complete other aspects of his study until after Lord's book was published.

Lord placed the number of defenders at 183. He also wrote that additional information would likely change this figure.

"Lord's work and my investiga-

tion do point to the need for further research on the men of the Alamo," Miller said.

The A&M professor is author of "The Roll of the Alamo" published this spring in the quarterly publication "Texana." He earlier wrote "Fannin's Men: Some Additions to Earlier Rosters" published in the "Southwestern Historical Quarterly."

Miller also wrote "Historical Records at the General Land Office" for the May issue of "The Junior Historian," a publication of the Texas State Historical Association.

Miller and Lord independently found evidence to omit four names from the list of defenders published 30 years ago. The four are Sherod J. Dover, Jose Maria Guerrero, John G. King and Toribio Domingo Losoyo.

Miller also believes four more names should be dropped. These are George Brown, James McGree, James Robertson and Jesse A. Thompson.

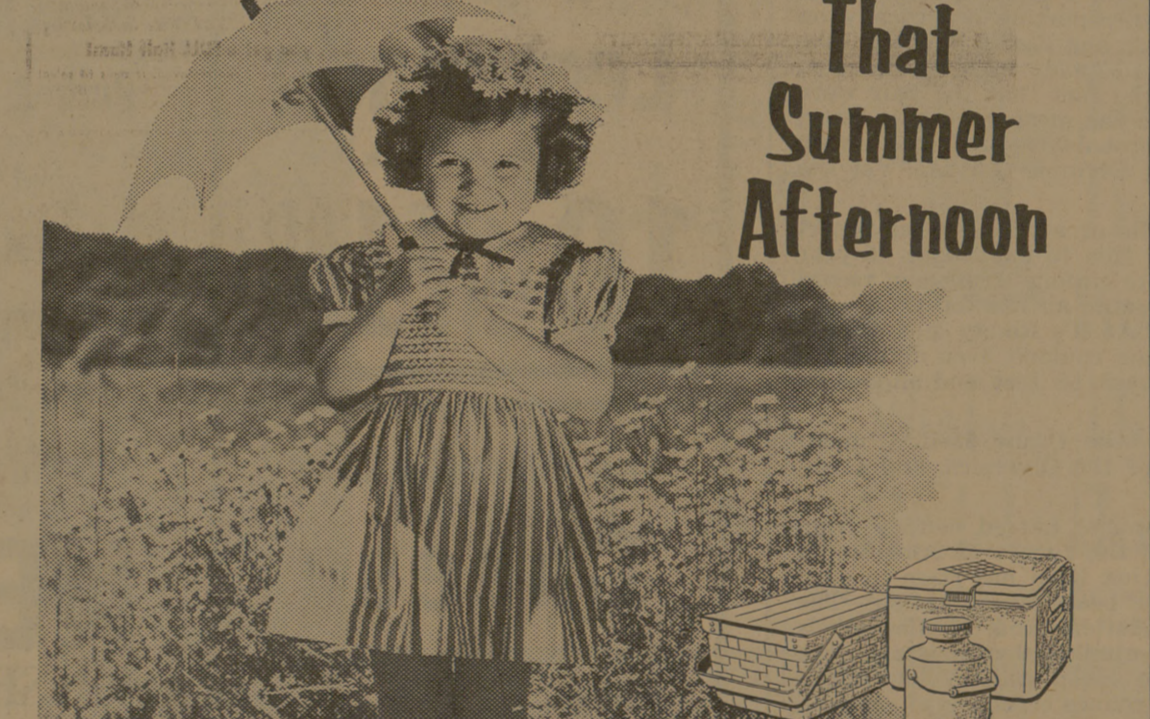
# The Church.. For a Fuller Life.. For You..

## CALENDAR OF CHURCH SERVICES

<b>OUR SAVIOUR'S LUTHERAN</b> 8:15 & 10:45 A.M.—The Church at Worship 9:30 A.M.—Bible Classes For All Holy Communion—First Sunday Each Month	<b>CHURCH OF THE NAZARENE</b> 9:45 A.M.—Sunday School 10:45 A.M.—Morning Worship 6:30 P.M.—Young People's Service 7:00 P.M.—Preaching Service	<b>ST. MARY'S CATHOLIC</b> Sunday Masses—7:30, 9:00 and 11:00
<b>CHRISTIAN SCIENCE SOCIETY</b> 9:30 A.M.—Sunday School 11:00 A.M.—Sunday Service 10:00 - 11:30 A.M.—Friday Reading Room	<b>ST. THOMAS EPISCOPAL</b> 906 Jersey Street, So. Side of Campus Rector: William R. Oxley 8:00 & 9:15 A.M.—Sunday Service 9:15 A.M.—Nursery & Sunday School	<b>UNITED CHURCH OF CHRIST</b> 9:15 A.M.—Sunday School 10:30 A.M.—Morning Worship 7:30 P.M.—Evening Service
<b>A&amp;M CHURCH OF CHRIST</b> 7:00-8:00 P.M.—Wed., Reading Room 8:00 P.M.—Wed. Evening Worship	<b>FIRST BAPTIST</b> 9:30 A.M.—Sunday School 10:45 AM Morning Worship 6:10 PM—Training Union 7:20 PM—Evening Worship 6:30 PM—Choir Practice & Teachers' meetings (Wednesday) 7:30 PM—Midweek Services (Wednesday)	<b>COLLEGE HEIGHTS ASSEMBLY OF GOD</b> 9:45 A.M.—Sunday School 11:00 A.M.—Morning Worship 6:30 P.M.—Young People's Service 7:30 P.M.—Evening Worship
<b>UNIVERSITY LUTHERAN</b> (Missouri Synod) 10:00 A.M.—Bible Class 11:00 A.M.—Morning Worship Wednesday 7:15 P.M.—Gamma Delta	<b>SECOND BAPTIST</b> 710 Eisenhower 9:45 A.M.—Sunday School 11:00 A.M.—Church Service 6:30 P.M.—Training Union 7:30 P.M.—Church Service	<b>CHURCH OF JESUS CHRIST OF LATTER DAY SAINTS</b> 26th East and Coulter, Bryan 8:30 A.M.—Priesthood meeting 10:00 A.M.—Sunday School 6:30 P.M.—Sacrament Meeting
<b>UNITARIAN FELLOWSHIP</b> 10:00—Sunday School Y.M.C.A. Bldg. 8:00 P.M.—First four Sundays of each month—Fellowship Meeting, Hill Foundation Bldg.	<b>A&amp;M PRESBYTERIAN</b> 9:45 A.M.—Church School 11:00 A.M.—Morning Worship	<b>FIRST CHRISTIAN CHURCH</b> Homestead & Ennis 9:45 A.M.—Sunday School 10:50 A.M.—Morning Worship 8:30 P.M.—Young People



**Hillier Funeral Home**  
BRYAN, TEXAS  
502 West 26th St.  
PHONE TA 2-1572



# That Summer Afternoon

"I'll never forget the day we took this picture. The sun was shining brightly and we'd gone for a ride in the country, my husband Tom, Thelma and I. We came to this field full of daisies and we stopped, and I braided a crown of flowers for Thelma's head. She was wearing a brand new dress and she had a new little parasol too. I thought she looked like just about the happiest and prettiest little girl alive.

How thankful I was! For our Thelma had just weathered her first serious illness, and for several weeks there had been days and nights of incredible anxiety and heart-rending prayer.

Now, watching Thelma in her new-found health, I thought of our church. Not only our minister, but members of the congregation, people whom I scarcely knew, had rallied to our side during Thelma's illness.

Just having them — just knowing that they were adding their prayers to ours, had meant so much. And now, I knew, they were sharing our jubilation.

How sorry I feel for people who don't go to church. For they miss one of life's great truths — the knowledge that if you have the Church, you can never again be alone.

**THE CHURCH FOR ALL • ALL FOR THE CHURCH**  
The Church is the greatest factor on earth for the building of character and good citizenship. It is a storehouse of spiritual values. Without a strong Church, neither democracy nor civilization can survive. There are four sound reasons why every person should attend services regularly and support the Church. They are: (1) For his own sake. (2) For his children's sake. (3) For the sake of his community and nation. (4) For the sake of the Church itself, which needs his moral and material support. Plan to go to church regularly and read your Bible daily.

Copyright 1964, Keister Advertising Service, Inc., Strasburg, Va.

Sunday Psalms 9:11-16	Monday Psalms 10:3-16	Tuesday Isaiah 58:6-11	Wednesday Mark 7:24-30	Thursday Luke 8:40-48	Friday Luke 8:49-56	Saturday Luke 12:22-31
-----------------------	-----------------------	------------------------	------------------------	-----------------------	---------------------	------------------------

# Biologist Warns Pesticides Will Be Killing Humans

"In ten years, human beings will be dying of pesticide poisoning," warns noted biologist Dr. Clarence Cottam, a former head of the U.S. Fish and Wildlife Service.

The charge, appearing in an article by Harold Mehling titled "The Land Where Fish Go Crazy," in the current issue of SAGA magazine, is made in reference to the enormous fishkill that has taken place during the last five years in the Mississippi and Atchafalaya river basins in Louisiana. During the last half-decade, approximately 10 million dead fish have dotted these southern waters, greatly depleting the marine population and depriving scores of independent fishermen of their livelihood. Mehling has made an extensive personal study of the people and conditions in this area.

In 1960, according to the SAGA article, the first indications that certain poisons were menacing marine and other animal life in the area showed up in the form of thousands of dead catfish being washed ashore by the tide.

In the following years, the number and variety of animals terminally affected increased to include buffalofish, crayfish, crabs, ducks, cormorants, cranes, robins and others.

"It is apparent," says the magazine, "that the poisons are building up, affecting bigger and stronger animals, with man a definite possibility for future infection."

"The poison," says author Mehling, "is apparently endrin, a lethal insecticide that is being washed out of the fields and into the basins."

According to government laboratory tests with endrin, just one part

of the chemical to every 400 million parts of water creates a dosage lethal to fish. An equally frightening statistic indicates that 12 million pounds of endrin and other related insecticides were laid over the land that drains into these basins last year alone.

Another dismaying aspect of the situation, writes Mehling, is that pesticides were used for 10 years prior to the first noticeable fishkills in 1960, probably building to a death-dealing level during that period and which probably will require a like period before reaching the purity level of the 1950s.

**Godfrey's Restaurant**  
"Good Food \*For Aggies—that's all!"  
\* Including Coffee

● MEAL CARDS AVAILABLE

Jean & Bob Godfrey '55  
North Gate VI 6-5612

**TO COLLEGE SENIORS and GRADUATE STUDENTS**  
You will be particularly interested in the fact that the College Master:

- ... has no war exclusion clause.
- ... affords excellent savings and insurance features.
- ... provides a unique family plan feature.
- ... is guaranteed by a top company.
- ... gives Insurance Now, with premium deposits deferred until you are out of school.

**College Master**  
If you desire immediate information Call  
**AGGIELAND AGENCY**  
VI 6-8228

**FIDELITY UNION LIFE**

**PARDNER**  
You'll Always Win The Showdown When You Get Your Duds Done At  
**CAMPUS CLEANERS**

**The Exchange Store**  
"Serving Texas Aggies"

**Bryan Building & Loan Association**  
BRYAN

**Lilly**  
MELLORINE SHERBET ICE CREAM

**SANITARY Farm Dairies**

**Central Texas Hardware Co.**  
BRYAN

- HARDWARE
- CHINAWARE
- CRYSTAL
- GIFTS