



JIMMIE M. BARKSDALE-EVANGELIST

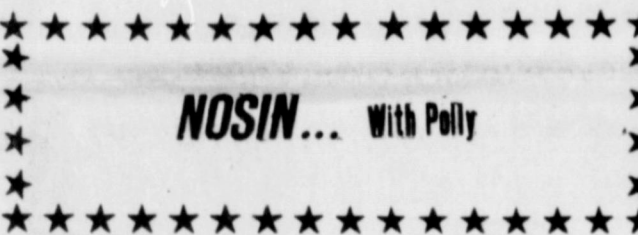
Revival Slated September 12-19 At Springlake Baptist

The First Baptist Church of Springlake will be engaged in a revival, September 12-19. Services will be conducted during the week at 10:30 a.m. and 8:30 p.m. Sunday services are at 11:00 a.m. and 7:00 p.m. A nursery will be provided for infants and small children and everyone is invited to attend.

Dr. Jimmie M. Barksdale will be the visiting revival preacher for this special week. Rev. Barksdale presently serves as pastor of the First Baptist Church of Emory, Texas, near Greenville. Rev. Barksdale is a graduate of California Baptist College in Riverside, California, Golden Gate Baptist

Seminary in Mill Valley, California, and the California Graduate School of Theology, in Glendale, California. He has served more than twenty years as pastor of Southern Baptist churches in the state of California. He has been with the Emory, Texas church about three years.

Jerry Hoover, music director of the Springlake Baptist Church will conduct the revival music. The church choir will be singing each night and Jerry encourages others who would like to sing, to come each night and help with the singing. The choir will meet each evening at 7:40 for a brief rehearsal.



NOSIN... With Polly

Man oh man! Am I ever impressed by the acrobatic accomplishments of the gray haired old Chief who manages the News-Sun office. He does especially well with the assistance of a one-horse powered electric buffer.

In fact, he is so talented that no high flying trapeze artist can rightly boast of flying through the air with more speed than did the old Chief. With more grace maybe, for his act looked like the results of a mule kick.

The discovery of his unusual talent for acrobatics came about quite by accident Friday afternoon when we decided to do janitorial work on the kitchen floor to remove 500 or so layers of floor wax. We got the big buffer and thought it would be a breeze. It was, the air was stirred rather rapidly as the body of the old Chief flew by. Not only that, the buffer was so enthusiastic it threw wax on the walls, appliances and everything in the kitchen, plus knocking Ross down on the slick floor that sent him falling the full length of the long kitchen about 3 times.

The entire action caused a slight disgust and complete cancellation of his enthusiasm for the job. Bathed in perspiration and rolled in wax, Ross was more than a little ready to throw in the towel and crawl from the sick as glass kitchen floor. At that time the telephone rang and our dear neighbor, Helen Hulley, who is an artist with the buffer, as she has helped her husband clean up the church quite often, called to say she was coming over to finish the job. She came over and finished and stayed to help clean off the wax that was drying on the walls and appliances.

There are talents, and there are talents, but janitorial work does not come under the category of talents bestowed upon the old publisher. Frankly, a job of that kind can flat out your days here on earth, or make you feel so tough you'd

just as soon it was all over for you. Helen was a most welcome sight at the Middleton stronghold. We thank God for friends, with know-how with the buffer and for abundance and kindness.

CITY DADS ASK— Highway Department To Make Study

City Dads met in a stated meeting Tuesday night in the City Hall. A letter was read from the State Highway Department in reply to a letter from the city asking them to make a study of the drainage, speed limit signs and traffic lights along the highway. The letter affirmed the intention of carrying out the study for the city.

A report was given on the meeting held in Littlefield regarding sanitary land fields, Earth City Dump is in compliance with all state regulations.

Minutes of the previous meeting were read and approved.

Risking A Sunset

"Coupled with the American enterprise system, self-determination has given us our enviable way of life—a precious heritage—a hope for a bountiful future. It is clear to me that enhancing and preserving self-determination and the American enterprise system will give us a future blessed with freedom, liberty, and the opportunity to prosper and enjoy many of the better qualities of life. That is a high priority goal for each of us to share. To fail in the obligation to try to achieve that goal is to risk a sunset of the system."

—Robert W. Long
Assistant Secretary
of Agriculture

School Board Agenda

- 1. Approval of minutes of August meeting
- 2. Approval of bills
- 3. Enrollment
- 4. Amend 1975-76 budget
- 5. Report on building insurance program
- 6. Review handbooks
- 7. Report on school maintenance
- 8. Discussion of impact of the upcoming Legislative session on school taxes and school program
- 9. Evaluation of employment of personnel
- 10. Adjournment.

SEE THE FINE EXHIBITS:

PV Fair Slated Saturday

The third Annual Pleasant Valley Fair is set for Saturday, September 11 in the community building. Entries can be entered early Saturday beginning at 7 a.m. and ending at 9 a.m.

Anyone in the Pleasant Valley Community is eligible to exhibit in the fair. Judging will begin promptly at 9:30 a.m. and while judging is underway, only the kitchen area will be open to those in attendance. Exhibits will be on display from 11:00 a.m. until 5:00 p.m. and the kitchen will be

Crafts, Sena Stephens; Flowers and Plants, Ruth Hult; Miscellaneous Items, Phyllis Angeley and Antiques, Bonnie Haber. Opening during that time and will have hot dogs, pie, coffee and cold drinks for sale.

Everyone in the area is invited to attend and inspect the many delightful exhibits that will be displayed. Superintendents of each department are as follows: Agriculture, Johnny Collins; Horticulture, Pat Angeley; Baked Foods, Hattie Bickler; Cullenery, Betty Wuerflein; Household Items, Brenda Lackey; Arts and

A free door prize will be given at 4:30 p.m. The winner does not have to be present to win.

The Pleasant Valley Fair is a community project and the people demonstrate their interest in homelife, family and community by each year getting together their best efforts, in various departments, for exhibit with that of their neighbor.

Saturday will be a big day at Pleasant Valley, so join in and have fun with folks who inhabit one of the best little communities in the world.

Voter Registration Drive Underway

Secretary of State Mark White has announced that his office is conducting a massive, statewide voter registration drive for this fall's Presidential election.

A pilot registration drive was conducted last spring, White said, and it added around 400,000 new voters to the rolls in Texas.

"Last spring's experience convinced us we need to enlarge our registration efforts," White said. "The new Texas registration law makes it easier than ever before to vote in Texas, and we are trying to make sure every citizen is aware of that fact."

Under the new registration law, Texas need only fill out a registration postcard and mail it, White said, adding that the registration deadline for the November 2 election is October 1.

Registration applications are available at the Lamb County Tax Assessor's office, or by

calling a toll-free number in White's Austin office, he said. The number, which is open during business hours, is 1-800-292-8602.

"Applications will also be on display in food stores around the state," White said. "We hope to literally put voter registration at the fingertips of most Texans before the registration deadline."

White noted that only 20 percent of voting-age Texans went to the polls in 1974, which was an "off year" involving no national elections. In the last Presidential election, White said, 43 percent of voting-age Texans cast ballots.

"Clearly there is room for improvement, and we hope our drive will help," White said. "We hope every Texan will register and vote."

County Cancer Society Met Tuesday In Earth

The Lamb Unit of the American Cancer Society met Tuesday evening in the coffee room of the Citizens State Bank.

Mrs. Norman Ellis of Earth presided over the meeting. The annual cancer crusade drive collected a total of \$9,742 for the county. The towns of Earth, Springlake, Littlefield, Amherst, Sudan, Pep and Olton make up Lamb County.

Plans were made to participate in the Health Fair in Littlefield on October 2. This fair is sponsored by the Lamb Extension Service and will be held at the County Agricultural Building from 10:00 a.m. until 6:00 p.m.

Mr. Pope, the district public education chairman from Levelland presented the Lamb

Unit with a certificate of authorization.

Brooks West, field representative from Lubbock also attended the meeting.

Others attending were Mrs. Lady Clare Phillips, Mrs. Lucy Moreland and Mrs. Ernestine

Lichte all from Littlefield.

Also Mrs. Pat Lewis, Mrs. Jackie Freeman and Mrs. Ellis all from Earth.

Refreshments of cookies and coffee were served.

The next meeting will be November 1 in Olton.

Teachers Reception Tuesday 8p.m.

The teachers reception, co-sponsored annually by Lions Clubs of Earth and Springlake, is set for Tuesday at 8:00 o'clock in the evening in the school cafeteria.

The get acquainted event is high on the list of social events in the community as it allows teachers and parents to become acquainted, so they may better understand and work together for the better-

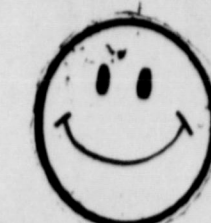
ment of students.

Each Lion and his spouse are to bring a faculty member as their guest.

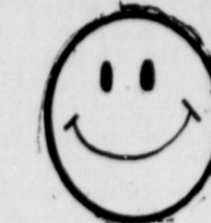
The Earth Lions are responsible for the menu and decorations and Springlake Lions are responsible for the program.

At presstime Wednesday the program was unavailable as details were incomplete.

The NEWSpaper Dedicated to the Development of the World's Richest Irrigation Area



The Earth News-Sun



A CONSOLIDATION OF THE EARTH NEWS AND EARTH SUN, OCTOBER 12, 1976

VOLUME 23 15¢ INCLUDING TAX EARTH, LAMB COUNTY, TEXAS, THURSDAY, SEPTEMBER 9, 1976 12 PAGES NUMBER 3

Local Bank To Have Formal Opening September 19

The formal opening of the beautiful Citizens State Bank in Earth is set for Sunday, September 19. Hours are from 1:00 to 4:00 o'clock in the afternoon.

Delightful refreshments will be served and all those attending will be given a tour of the spacious and beautiful building.

The building which formerly housed the bank had 3300 square feet of floor space. The current building has over 8,000 square feet. It was constructed for comfort and convenience and is indeed a better facility to better serve the climbing members of customers.

Construction on the building began in September of 1975 and is in its finishing stages

this week.

Bank president Macky McCarty said the new bank building had added a community room, a basement, night depository, customer service office and had added the City Insurance Agency office to the building.

The interior and exterior of the lovely building, which is an asset to the town of Earth, is beautifully designed. It is furnished with new carpet, drapes, furniture and is a boost for the City of Earth.

Personnel of the bank are proud of the new building and invite area folks to attend the formal opening event.

Watch next week's paper for additional details on the formal opening.



CECIL SLOVER... Springlake-Earth Junior High School principal has been selected as conservation teacher for 1976 by the SWCD. Presenting trophy to Mr. Slover is Joe Blevins representing the Lamb County SWCD.

Slover Outstanding Conservation Teacher

Cecil Slover, Junior High Principal at Springlake-Earth School was named "1976 Outstanding Conservation Teacher" of the county by Lamb County Soil and Water Conservation District. Slover was presented a plaque last week for the outstanding job he has done.

During the past four years Slover has done an outstanding job of teaching conservation. He has used his position as Junior High Principal and English teacher to instill into these passing students the conservation story. His students have prepared 520 essays on conservation. Through all forms of teaching he has aided these young Americans in having a greater love and respect for their natural resources and the need to conserve and use them wisely.

It was in his first twenty years living on a dryland farm that he realized the importance of conserving and protecting the land from wind and water erosion.

Today, his objectives are to give the students an opportunity to express themselves through writing, to learn to use research materials, and to encourage the students to become more concerned for the needs of conservation.

Students use films and slide sets from the media center and other locations, magazines and journals, text books and other books provided by the Lamb County Soil and Water Conservation District. The Soil Conservation Service and the Extension Service office provide other research materials for the students to use. Classroom discussions, discussions with practicing conservation farmers and field trips also aid in developing conservation awareness.

Mr. Slover's long range goal

is to impress on students the idea that all natural resources have been cared for in some areas, but exploited in others, but regardless of an area's past use or abuse, it is their as well as everyone else's duty to conserve or improve the earth's resources. This conservation is important not only to the present generation, but will continue to be important for many years to come.

ACCOMPLISHMENTS OF HIS STUDENTS

1972--125 students wrote essays. Two won 2nd and 3rd place in the District contest. The students were Lupe Con-

zales and Kim Jones.

1973--65 students wrote essays. Karen Howell was the district winner and was awarded a \$50 savings bond and a plaque. She also was awarded a plaque for 2nd place in Region 1 Texas Conservation awards.

1974--130 students wrote essays. Gary Swayer won 1st place in the district competition and was awarded a plaque and a \$50 savings bond.

1975--200 essays were written. Two students were 2nd and 3rd place in the district contest. The students were Sue Jones and Jonda Warren. They each received a plaque and a \$25 savings bond each.

Enchilada Supper Friday Night

A delicious Enchilada Supper is slated for September 10 in the Springlake-Earth cafeteria. The supper is sponsored by the local PTA.

Serving will begin at 6:30 and will continue until game-time at 8 p.m. This will be the first home ballgame and everyone is invited out to eat prior to attending the Wolverine-New Deal game.

Prices for the Enchilada Supper are \$2.50 for adults, \$1.75 for students and \$1.00 for children 12 and under. The menu will include meat enchiladas, beans, tossed salad, tostitos, cherry cobbler, tea or coffee. All 1976-77 Springlake-Earth PTA members will receive a 50% discount on their meal price. PTA memberships will be sold at the door.

Driver's Course Here In October

The Town and Country Study Club and the Chamber of Commerce are sponsoring a Defensive Driver's Course to be given by a Texas Highway Patrolman October 18, 19 and 21st.

Much valuable information on safe and defensive driving will be taught. And a certificate from the Texas Department of Public Safety will be issued to each person who completes the course. This

certificate entitles the holder to a 10% deduction on car insurance. It is recommended that each driver in the family takes the course.

Enrollment fee is \$2 per person. Fifty people are required to have a class and sign up deadline is October 15.

Sign up places are at the Chamber of Commerce office or call 257-2137 or 257-3884.

VISIT THE COMMUNITY LIBRARY IN EARTH

EAT ENCHILADOS WITH THE PTA FRIDAY NITE

Field Day Scheduled September 14 At Halfway

Cotton, corn, sorghum and sunflower research are featured attractions for this year's field day of the Texas Agricultural Experiment Station at Halfway. The premier event begins at 1:00 p.m. September 14, at the research site 14 miles west of Plainview on Highway 70.

According to County Extension Agent Buddy C. Logsdon, field tours will be conducted throughout the afternoon with special presentations planned on irrigation, variety evaluations, weed control and insect pest management.

The Texas Agricultural Experiment Station at Lubbock is co-hosting the event, says Logsdon. In past years, the Lubbock and Halfway stations held separate field days but will begin this year a alternat-

ing as hosts. This means the field day this year will be at Halfway and next year (1977) it will be in Lubbock.

Cooperators are the Texas Agricultural Extension Service, High Plains Research Foundation, Agricultural Research, USDA and the National Weather Service.

A large machinery display featuring latest farm implements available will be a part of the field day activities, says Logsdon. Guests will be able to take tractor-drawn trailer tours of the 320-acre research site to closely preview latest developments in crop production. During the six featured stops of the tours, Experiment Station scientists and Extension Service specialists will present brief summaries of research highlights

and will answer questions.

The six tour stops include a comprehensive review of cotton variety studies, soil fertility, corn irrigation, modified pivot irrigation systems, insect pest management in sorghum and corn, weed control and other research highlights of particular interest in High Plains agriculturists.

Logsdon says that an irrigation well capable of pumping 1300 gallons of water per minute of clear sand-free water will be of particular interest to field day-goers. The well, recently completed, triples the output of two other irrigation wells at the same location and features new innovations in well drilling.

The field day marks the 67th consecutive year for the Texas Agricultural Experiment Station on the South Plains.



1976-77 SPRINGLAKE-EARTH PTA OFFICERS... Seated, Mrs. Ray Joe Riley, vice-president and Mrs. Melvin Chisum, president. Standing Mrs. Dave Koontz, treasurer; Kenneth Hill, secretary and Mrs. Bryan Dutton, parliamentarian. Mrs. Danny Byers, historian was not present for picture.

Services Held Friday For Mrs. Gladys Cleavinger

Services for Mrs. Gladys Axtell Cleavinger, 76, of Dimmitt were Friday at 3 p.m. in First United Methodist Church of Dimmitt with the Rev. Marvin Roark, pastor, officiating.

Burial was in Castro Memorial Gardens under the direction of Dennis Funeral Home.

Mrs. Cleavinger died at 11 p.m. Wednesday in Plains

Memorial Hospital after an extended illness.

Born in Kansas, she moved to this area in 1908. She was married to Norman Cleavinger on August 29, 1923 and they farmed near Springlake until moving to Dimmitt in 1952. Her husband preceded her in death in 1970.

Survivors include three

daughters, Lois Wales of Dimmitt, Carole Dyer of Dimmitt and Norma Dawson of Springlake; three sons, Ronald and Orville, both of Springlake and Jim of Dimmitt; a sister, Mrs. Fern Cleavinger of Alhambra, California; two brothers, Ray Axtell of Earth and Harry Axtell of Durango, Colorado; 23 grandchildren and three great-grandchildren.

Bob And J.D. Phipps Attend Poland Conference

Poland breeders from across the nation gathered in Eaton, Ohio July 28-31 to celebrate one hundred years of breed progress and to stage their annual Summer Type Conference. The summer conference is the largest single show for spring farrowed boars and gilts in the Poland breed. For the first time this year classes were added for bred gilts and pairs of gilts.

All of the animals were highly accepted and the conference posted a modern gross record of \$55,965. A STC record gilt price was established on the champion of the show selling at \$1175. Poland enthusiasts were very much encouraged about future prospects for the breed. A new era of Pride and Progress was

launched by new and young breeders who purchased 76 of the 109 head of breeding stock sold.

Bob and J.D. Phipps exhibited the seventh place Class II

boars and tenth place Class II gilt.

ATTEND THE GAME FRIDAY

Vehicle Taxes Seem to Have Wings

Since 1950 the number of motor vehicles in the U.S. has doubled, but special taxes have more than quadrupled—from \$4.1 billion to \$19.2 billion annually—reports the Motor Vehicle Manufacturers Association.

Preliminary 1975 figures listed gasoline tax revenue at approximately \$8.4 billion, state registration receipts were \$5.1 billion, and federal automotive excise taxes were nearly \$5.7 billion.

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Rural Areas Need Medical Doctors

People who choose to live in rural or sparsely-populated areas deserve the same quality of health care as their big-city neighbors. The problem is that not enough physicians and other health providers want to live in rural areas.

The problem concerns the entire health services system, both the public and the private sectors. For a number of years,

the medical profession in Texas, through the Texas Medical Association, has looked for ways to encourage young doctors to locate their practices in small towns where they can serve the surrounding countryside.

According to Dr. Ed Schmidt, the past president of the Texas Medical Association, practicing medicine in outlying areas

offers several advantages: "short travel time between places, no smog, no traffic problem, relative freedom from crime, a wholesome atmosphere" are some of the examples he cites.

On the other hand, Dr. Schmidt recognizes that most young doctors are not attracted to rural practice. He explains, "Some doctors feel that they

may not be able to cope with the situation, since they've been trained in an academic environment with a large amount of backup from big hospitals and medical centers. They don't feel comfortable in a more isolated environment, he says.

It's also true, according to the medical association, that doctors in rural areas work harder, often for longer hours, and generally have lower earnings than their big-city counterparts. Furthermore, the doctors, and their spouses, often miss the social life, entertainment, and other amenities of a metropolitan environment.

Dr. Mario Ramirez, who has based his practice in remote Roma for the past quarter of a century, knows first-hand the problem of both poverty and rural areas. Until recently, he was not only the only physician in the area, but he operated his own hospital, the only one in the South Texas county. Now there's a new hospital in Rio Grande City, but there is still a shortage of skilled medical personnel.

Dr. Ramirez believes that the best solution is to help young people from the rural areas obtain an education in medicine. Hopefully, after they receive their education, they'll return to their hometowns to practice among the people they know best. This approach has been used with some success, but it's inherently a slow process, and the young doctors don't always want to go back home once they've spent a few years in the bright lights of the big town.

According to Dr. Schmidt, science and technology are beginning to help rural physicians provide better care, and to end the feeling of isolation. New devices such as remote telemetry, closed-circuit television, and computers can be used to give the rural practitioner access to expert consultants and other sources of vital information even if it's thousands of miles away. Also, the expanded use of paraprofessional medical personnel, such as physician's assistants and paramedics, helps to relieve the rural doctor's burdensome caseload.

Public health in Texas has made great strides in its effort to provide better service to

people in the countryside. Although there are full-time local health departments in only about 75 of the state's 254 counties, the local agencies now serve roughly 80 percent of the population.

Six years ago, the first of ten Public Health Regions was established. This fall, the last two regional offices will be open for business. According to Dr. Fratis L. Duff, Director of the Texas Department of Health Resources, the whole purpose of the regional program is to "form the coordinated and integrated regional staff capable of providing comprehensive public health services throughout the region," particularly including the rural areas that don't have access to a local health department.

Dr. Duff says, "The public health regions have demonstrated that public health services can be provided to all citizens of the state in an efficient and economical manner, even in the sparsely populated rural counties with very limited fiscal resources."

The goal for both the private and the public sectors of the health care system is the same: to ensure that every citizen in Texas has access to the services he or she needs, no matter where people choose to live.

Schools Encouraged To Serve Breakfast To Students

The state education agency feels strongly that students should "begin satisfying their daily dietary needs at breakfast. Children who come to school hungry may find it difficult to stay alert and learn," Texas' education agency School Lunch Program Director Charles A. Cole says. "Breakfast is also important," he adds, "to improve the nutrition and dietary practices of students."

Because school breakfast program legislation is so new, Texas Education Agency and the U.S. Department of Agriculture's Food and Nutrition Service are trying to inform school administrators about the availability of the program, providing the morning meal to students of high school grade and under in public and private nonprofit schools.

"We hope," Mr. Cole reports, "that before fall session begins this year, we can increase the number of schools

offering breakfast. We want any school that possibly can to offer breakfast. The school breakfast program is of value in our schools for our students. We are meeting and talking with principals and school board members, or to whoever can help get this meal served, now in order to interest more schools in the program."

Mr. Cole explains that the breakfast program is similar to the National School Lunch program and that "with minor adjustments to existing scheduling of food service personnel, many schools find that they can easily manage to participate in the breakfast program without having to hire additional help or make special equipment purchases. As with school lunch, there are funds reimbursements from USDA's Food and Nutrition Service for serving these breakfasts, plus, schools get USDA-donated foods and other assistance, USDA and my office of-

fer guidance about starting and operating the program."

BECAUSE OF FACTORS such as rising real incomes, value of homemaker's time and desire for leisure, the consumption of some categories of convenience foods has been increasing. For example, frozen vegetables offered in bulk bags and pouches, garnished with sauces and creams, or combined with other vegetables or food, have helped increase the per capita consumption of frozen vegetables, on a fresh weight basis, from 15.4 pounds in 1963, to 21.9 pounds in 1973, a rise of over 40 percent. In comparison, per capita food consumption increased by 5.6 percent from 1963 to 1973.

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SPECIALS GOOD THURSDAY-FRIDAY-SATURDAY

USDA Seeks Comments On Proposals

The U.S. Department of Agriculture today called for comments on its proposed determinations for the 1977 upland cotton, feed grain, soybean, and wheat programs.

The Secretary of Agriculture proposes to make determinations relative to:

- The national production goal and the national base acreage allotment for upland cotton and apportionment of the national allotment to states and counties.
 - The target price for upland cotton.
 - The loan level for 1977-crop upland lint cotton.
 - Whether a seed cotton loan program should be offered for 1977 and, if so, what the loan levels should be.
- Prior to making determinations, consideration will be given to any written comments received by the Director, Grains, Oilseeds, and Cotton Divisions, Agricultural Stabilization and Conservation Service, U.S. Department of Agriculture, Washington, D.C. 20250, not later than August 31, 1976.

All written submissions will be made available for public inspection at the office of the Director, Room 3741, Agriculture Department's South Building, during regular business hours, 9 a.m. to 4:45 p.m.

--The size of the national acreage allotment for feed grains. (In April, USDA announced a 1977 wheat allotment of 62.2 million acres, up from 61.6 million acres for 1976 (see USDA press release 1035-76).

--Whether there should be a set-aside requirement for wheat, feed grains, and upland cotton for the 1977 crop, and if so, the extent of such requirement.

--Whether there should be a provision for additional diversions and, if so, the extent of such diversions and the payment rate therefore.

--Loan and purchase rates for wheat and feed grains for the 1977 crop, including commodity eligibility and storage requirements.

--Whether there should be a loan and purchase program for 1977 crop soybeans and, if so, the loan and purchase level.

--Other related provisions necessary to carry out the loan and purchase program, the set-aside program and upland cotton program.



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EARTH-PHONE 257-2005

TOPS Club 891 Begins Contest

Texas TOPS Club 891 met Wednesday at the former Earth Oil and Gas Station for a regular weekly meeting. Mrs. Red Murrell presided over the meeting and opened with the TOPS Pledge. Seven members answered the roll call by giving their weight loss or gain. There was a 9 pound loss and one pound

weight gain. Mrs. Murrell was Queen for the Week for having lost the most weight. A new member, Mrs. Alma Stockstill was welcomed into the club. The group decided to have a contest which began last week and will continue until January 1. The white elephant contest

will inspire members to lose weight. Members are asked to bring items to the club. These items can then be purchased with play money members obtain by attending the club, losing weight and by doing various other things useful to the club and to themselves. The group dismissed with the

What's Cooking at School

September 13 thru 17

MONDAY
Fish Krispies
Tartar Sauce
Whole New Potatoes
English Peas
Waldorf Salad
Prune Cake
Hot Rolls & Butter
Milk

TUESDAY
Barbecue Beef
Potato Salad
Buttered Spinach
Cinnamon Rolls
Cornbread and Butter
Orange Juice
Milk

WEDNESDAY
Burritos & Chili
Tossed Salad
Spanish Rice
Red Velvet Cake
Crackers
Milk

THURSDAY
Chicken & Dumplings
Fried Omelet
Celery & Carrot Sticks
Fruited Jello
Peanut Butter Cake
Hot Rolls & Butter
Orange Juice
Milk

FRIDAY
Vegetable Soup
Sandwiches
Potato Chips
Apricot Cobbler
Crackers
Milk



Foods which provide protein of high nutritional value are fish, poultry, eggs, milk and cheese.

Serenity Prayer.
Those present were Mrs. Alma Stockstill, Mrs. C.L. Houchins, Mrs. Red Murrell, Mrs. James Herring, Mrs. Fred Clayton, Mrs. Florence Cover and Mrs. Bud Jones.



MARYLIN WINEGEART

Engagement Told

The engagement and approaching marriage of Miss Marylin Gayle Winegeart and Monte Clay Winders was announced this week. The bride-elect is the daughter of Mrs. Paul E. Winegeart and the late Paul E. Winegeart of Farwell. Monte is the son of Mr. and Mrs. Jay Winders of Earth. The wedding is set for September 18 at 7:30 in the evening in the Oklahoma Lane United Methodist Church of Oklahoma Lane Community. Marylin is a '73 graduate of Farwell High School and has

attended Sam Houston State University and West Texas State University. Monte is a '71 graduate of Springlake-Earth High School and attended West Texas State University. He is currently employed in Canyon. Friends and relatives are invited to attend. Invitations will not be sent.

FOLKS ATTEND WEDDING

Several area folks attended the wedding Sunday afternoon uniting Thomas Angeley and Sharon Hamm. The wedding was held in the home of Mr. and Mrs. Jim Petree in Brownfield. Those attending from here were Mr. and Mrs. Jack Angeley, Mrs. Bonnie Haberer, Mr. and Mrs. Pete O'Hair, Mrs. Bill Morris, Mrs. Ruby Hodge and Mrs. Seulah Danforth.

Notice

The first meeting of the new year for members of the Young Homemakers will be at 4:00 o'clock in the afternoon on Monday in the Homemaking Cottage. Baby sitters will be provided.



Hello World

Mr. and Mrs. David Bradley of Springlake are the proud parents of a lovely daughter born September 1 in a Littlefield hospital.

The little lass has been named Amy Trish. She weighed 6 pounds 4 ounces and is 18 1/2 inches in height. Amy has a brother 2 1/2 years old to keep her company throughout the days.

Grandparents are Mr. and Mrs. J.R. Banks of Springlake and Mr. and Mrs. Roy Bradley of Goldsmith.

Mr. and Mrs. Richard Mitchell of Earth are the proud parents of a daughter born Wednesday, September 1 in St. Mary's Hospital in Lubbock.

The little lass weighed 7 pounds 12 3/4 ounces and measured 20 1/2 inches tall. She has been named Jennifer Leigh. The couple have one other child, Jeffery who is nine years old.

Grandparents are Mr. and Mrs. Clarence Mitchell of Springlake, and Mr. and Mrs. C.H. Webb of Earth.

Party Line

Mr. and Mrs. Willard Womack and Mrs. Mittie Sue Middleton of Holdenville, Oklahoma and Mrs. Herbert Simon of Wewoka, Oklahoma spent the week-end in Earth as guests of Mr. and Mrs. Ross Middleton, Mr. and Mrs. Phil Middleton, Keri Dee and Amber Sue of Midland, Mrs. Sophia Holt, and Mr. and Mrs. Gene Chaney, Melissa and Tiffany, all of Okla., who visited in the Middleton home.

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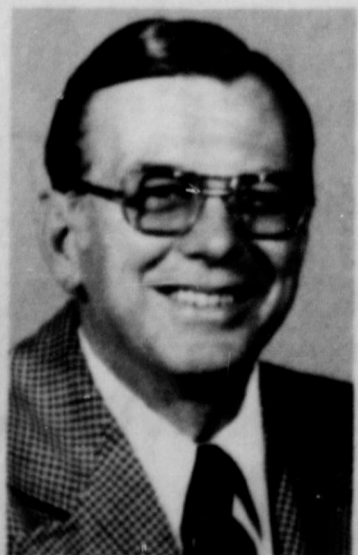
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SEPTEMBER 12-19

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Singer

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Bell - Burney Vows Exchanged

In a double ring ceremony at 7 o'clock in the evening on July 17 in the Church of Christ

in Lexington, Miss Debra Lynn Bell of Lexington, Texas became the bride of Billy Edwin Burney of Rockdale, Texas.

Parents of the couple are Mr. and Mrs. Bob Bell of Lexington, formerly of Earth and Mr. and Mrs. E. F. Burney of Rockdale.

Bob Bell, father of the bride officiated. He was assisted by Ralph Crutcher of Austin.

The altar of the church was decorated with an archway of greenery enhanced with rainbow colored carnations. Other decorations included two candelabras holding long tapers, decorated with greenery and rainbow colored bows, a

unit candle and two large white wicker baskets holding bouquets of gladiolas, intermingled with carnations in the colors of the rainbow with large rainbow colored satin bows, completed the setting.

Music was furnished by the Acapella Choir who sang "Because," "The Bridal Chorus" and "O Promise Me."

The bride, given in marriage by her father, was adorned in a white re-embroidered lace gown fashioned by her mother. The demi-bell silhouette gown was designed with a high Victorian neckline and long lace sleeves. The skirt was designed with a large ruffle



MR. and MRS. BILLY EDWIN BURNEY (nee Debra Lynn Bell)

founce edged in scalloped lace with seed pearls sewn into the center of each rose. The chapel length veil was attached to a lace crown identical to the lace in her gown. The bride wore a ring belonging to her paternal grandmother and a lavalere that was worn by the brides mother at her wedding 25 years ago. She carried a Bible topped with a colonial bouquet of pink roses intermingled with white carnations and pink and white gypsophila.

Gayle Hooper of Lexington was maid of honor. She wore a pink floral formal length dress of dotted swiss designed with a sweetheart neckline and a wide ruffle at the bottom of the skirt. She wore a pink picture hat and carried a nosegay of pink carnations and daisies.

The three bridesmaids were Dianne Bell, sister-in-law of the bride, of Giddings, she was

attired in a purple dress identical to that of the maid of honor. She carried a nosegay of purple carnations. Beverly Burney, sister of the groom of Rockdale, was attired in a peach dress identical to the others. She carried a nosegay of peach carnations, and Kathy Johnson of Rockdale was attired in a yellow dress identical to the attendants and carried a nosegay of yellow carnations.

The groom was dressed in a white tuxedo, a ruffled shirt and wore a pink boutonniere. Best man was Weslie Hicks of Rockdale.

Groomsmen were Mike Bell, Giddings, brother of the bride, Randy Morton, Sommerville and James Birkhead, Rockdale. The groomsmen were attired in black slacks complimented with white ruffled shirts and white jackets. Their boutonnières matched the color of the dress worn by their girl escorts.

Kelly George of Lexington was flower girl. She wore a green dress identical to the other attendants and carried a basket of petals.

Dean Murrell, Guthrie was ring bearer.

For her daughters wedding Mrs. Bell chose a hot pink

formal length gown with a sheer jacket. She wore matching accessories. Her corsage was pink rose buds.

The groom's mother wore a blue formal length gown with a lovely floral jacket. Her corsage was designed of pink roses and daisies.

Immediately following the ceremony a reception was held in the Lexington High

School Cafeteria.

The brides table was covered with a pink cloth with a lovely white net ruffled overlay. The table was decorated with a silver candelabra holding long pink tapers and a four tiered wedding cake iced in white and decorated with pink roses, cake and punch were served to those in attendance.

The grooms table was covered with a pink cloth with a lovely white net ruffled overlay. The table was decorated with a silver candelabra holding long pink tapers and a four tiered wedding cake iced in white and decorated with pink roses, cake and punch were served to those in attendance.

(continued on pg. 8)

TEENAGERS GARAGE SALE

Saturday (1 day only) Starting at 10:00 A.M. Clothing and miscellaneous items.

At Doug Lewis home. In Hite Park Addition.

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with a tribal colored, Indian blanket patterned hooded coat, both accented with wooden coat, both accented with wooden beads on tassle-tie closings. Knits made of 100% Orion acrylic. Team them with a 100% cotton knit turtleneck from our never ending color range of this year 'big' basic top. Both sweaters and turtleneck tops match-up with gabardine pants in 100% woven texturized polyester. Tops sized: S. M. L., pants: 5-15.

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Amherst Takes Season Opener From Wolverines 41-19

The Springlake-Earth Wolverines traveled to Amherst Friday night and were plowed under by the Amherst Bulldogs 41-19.

The Bulldogs got on the scoreboard first, when Amherst halfback Terry Sterling took the opening kickoff on the Bulldog 20 and returned it to the 47. On the first play from scrimmage a 53 yard pass play gave the Bulldogs 6 points with the extra point failing.

Following the Bulldog touchdown neither team could accomplish much because of the first game littering causing fumbles and penalties galore.

Kirk O'Hair covered a Bulldog fumble on their 20 yard line with two minutes to play in the first quarter to set up the Wolverines first score of the game.

Following the recovery Rodney Geissler carried the ball to the 9 yard line for a first down. With 1:24 left Geissler plowed through for the TD, tying the score at 6-6. The PAT failed.

On the kickoff Webster Johnson took the ball on the Bulldog 20 and raced 80 yards to put the Bulldogs back in the lead 12-6. With 1:09 left, the PAT failed.

Wolverine Billy Houston took the kickoff and returned it to the 38. With Ben Johnson and Houston taking turns they moved the ball to the mid-field stripe where the gains were nullified by penalties.

In the final seconds of the quarter Kevin Kelley passed to Mark Barton who traveled 73 yards to tie the score again. With the try for extra points failing, the quarter ended with the score 12-12.

On the kick-off, George

Flores boot for the Wolverines went short and No. 77 Ricky Yanus grounded the ball on the 48. Johnny Rosemond made his scoring debut with a 52 yard touchdown run for Amherst with only 10 seconds used up in the second quarter. Johnson's two point try was short. Amherst took the lead again, 18-12.

Springlake-Earth used up over five and half minutes and ground out 51 yards with Geissler doing the bulk of the ball carrying with the exception of a breather when Johnson, Kelly or Barton helped in the chores offensively.

Geissler scored again on a yard plunge to knot the score, 18-18, with 6:03 left in the half. Flores' toe gave the Wolverines the lead by a single point in the PAT.

On the kick-off, Johnson returned, took the ball on the Bulldog 19 and carried it to the 36 before being tackled by Polo Gonzales. From this point Sterling, Rosemond, QB Ronnie Bearden and Johnson teamed up in ball carrying and rooted out behind their blockers 66 yards before Johnson gave Amherst a 24-19 lead by charging through the middle on a one yard plunge. Rosemond plowed over for a couple of points to put the Bulldogs ahead 26-19.

The Wolverines had trouble right from the start in the third quarter. Barton took the Amherst kick deep in their own territory and returned the ball to the 20, a penalty was called and the ball was brought to about the 13. The next play was a fumble and Bulldog John L. McLaughlin recovered it on the 17 for Amherst. Three

plays later Johnson charged from the five for another Bulldog tally with 10:43 left in the quarter. Bearden passed to Rosemond for the two point conversion and a 34-19 score in favor of Amherst.

For the remainder of the quarter it was ball swap as each team was forced to give up the ball on downs.

Sterling stopped a Wolverine drive in the final quarter when he intercepted a pass on the Bulldog 30 and stubbornly ran 52 yards before the Wolverines brought him down on their 28 yard line.

After a drive to the five yard line, Bearden passed to James Ivery for another Bulldog score with 4:38 left in the game. Gary McDaniel kicked the extra point to ice the game for Amherst.

Springlake-Earth's Rodney Geissler was the leading rusher for the evening with 163 yards in 34 carries. Johnny Rosemond took rushing honors for Amherst with 111 yards.

Springlake-Earth plays New Deal at Wolverine Stadium Friday.

GAME AT A GLANCE

Amherst	S-E			
14	First Downs	15		
289	Yards Rushing	225		
70	Yards Passing	110		
359	Total Yards	335		
6/50	Penalties	8/65		
6	Passes Attempted	10		
4	Passes Completed	3		
2	Passes Intercepted	1		
1-40	Punts Average	3-34		
1	Fumbles Lost	2		
Score by Quarters				
	1	2	3	4
Amherst	12	26	34	41
Springlake-E	12	19	19	19

Is Slow So Sure After All?

AUSTIN--Is the slow driver a safe driver? Not necessarily, according to a landmark study recently conducted for the Texas Office of Traffic Safety (OTS).

According to Ken Nevil, OTS administrator, the study on the causes of fatal traffic accidents reveals that while lives can be saved by controlling the average speed of motorists, an even more effective way of reducing fatalities may be to control the "speed differential."

"In basic terms," Nevil said, "speed differential is the difference in speeds between two vehicles traveling in the same direction on the same highway."

"Think of the highway as a river whose current is constant. If you threw two blocks of wood into the river a few seconds apart, the chances are

very unlikely that the second one would ever catch the first," Nevil explained.

"So, if all vehicles were to travel at approximately the same speed, there would be fewer conflicts, and thus, fewer possibilities of an accident."

According to the study, when one vehicle catches or passes another traveling at a slower rate of speed, the chances of an accident rise as the difference in the speeds of the two vehicles increase. And the higher the speed at the time of an accident, the greater the probability of serious injury or death. This result, of course, could be reduced by proper use of safety belts.

The study indicated that reaction time and other factors make the ten mph speed differential between two cars traveling 50 and 60 miles per

hour much more dangerous than the same ten mph difference between vehicles traveling 30 and 40 mph.

"The study explodes the myth that you can play it safe on the highway by traveling slowly," Nevil emphasized. "Slow drivers are safe only if there are no faster cars on the highway with them. And driving too slowly causes a potentially serious hazard to all."

It is safer, according to Nevil, to move with the flow of traffic at the speed limit rather than forcing other drivers to pass because of a low rate of speed.

Three factors influencing the rate of traffic fatalities were recognized in the study: the average speed, variation in speed, and vehicle miles driven each year in Texas.

Researchers concluded that

(Continued on page 7)

Football Con

3 Big Prizes

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Third Prize—\$200



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The teams that are playing in the listed side by side in the official...

Use the handy entry and mark-off lose. Print the scores you predict the spaces provided.

Each week's entry must be turned in to the News-Sun office. Contestants are and turn in their entries.

Entries must be in by 4:00 p.m. that date. All late entries will be...

In case of ties, a coin will be fl...

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Contest



NEW DEAL - HERE
SEPTEMBER 10 - 8p.m.

OFFICIAL ENTRY BLANK

SEPTEMBER 17-18-19

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KRESS	PETERSBURG
FARWELL	HAPPY
HART	NAZARETH
OLTON	LOCKNEY
PITTSBURG	CLEVELAND
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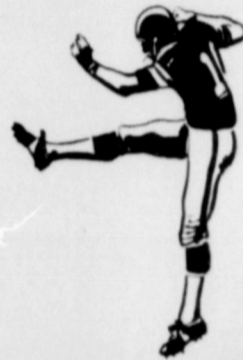
--- TIE BREAKER ---
WOLVERINES..... DIMMITT.....

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ADDRESS.....
CITY..... STATE.....

CONTEST RULES

are playing in this week's contest games are
le in the official entry blank on this page.
entry and mark-out the teams you predict to
cores you predict in the tie-breaker game in
ted.
try must be turned in or mailed to the Earth
Contestants are given a week to prepare
entries.
in by 4:00 p.m. Friday or postmarked on
the entries will be discarded.
A coin will be flipped to determine the

winner.
Each week the number of games correctly predicted will
count toward each contestant's season total. The person
picking the most games correctly for the entire season will
receive the grand prize. In the event of a tie on the season
total, a coin will be flipped to determine the winner.
The weekly prizes will be given to the persons picking the
most number of games for that week. The tie-breaker will
count as one of the games picked, and the predicted score
will be used to determine the top three places in that week's
contest, if necessary.
Only one entry per person is allowed.



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MISS MARY BERSCHBACH... Exchanged student from Waterloo, Ontario, Canada was honored Thursday noon at the Springlake Lion Club meeting. Mary received several souvenirs from Lion's Clubs in District 2T2. Pictured with Mary are Otis Ray King, president of the Springlake Club who presented her with a banner, W.M. McMillan presented her with a blue denim vest from the Earth Club. Mary returned to her home Saturday.

IS SLOW SO SURE AFTER ALL?
(Continued from page 6)

of the three factors only the average speed driven by Texans and the variation in speed of vehicles on the highway offered any possible alternative programs for control.

"While reducing the average speed was shown to be an effective way of reducing fatalities, reducing the speed differential could hold more promise," says Nevil.

"The figures in the study show that small reductions in either the average speed or the speed differential will produce reasonably large reductions in fatalities.

"For example, a one mile per hour reduction in either of these factors can be expected to save 40 to 50 lives annually in Texas. But of the two, variation in speed has the greater impact," he said.

Nevil pointed out that a reduction of one mph in the variation of vehicle speeds would save about 10 more lives than a one mph reduction in the average speed.

"If the cost and ease of controlling the two factors are the same, controlling the variation of speed will save about 20 per cent more lives than controlling the average

speed," said Nevil.

While the cost and effectiveness of controlling variations in speed have not been determined, public awareness of the facts could have significant results.

"We've got to get our message across to the slow-poke holding up the normal flow of traffic that he may be the most dangerous person on the road," Nevil warned.

"On the other side of the coin is the driver who is always passing, always changing lanes, always pushing. His chances of making it to his destination in one piece are not as good as the fellow who travels at the speed limit and moves with the flow of traffic."

According to Nevil, the study may be a landmark in the philosophy of traffic control and could lead to many innovations.

The traffic safety slogan of tomorrow might read: "A difference in speed kills," or, "go with the flow."

Quick Quiz!

Why not add a laurel to your calculation quotient by taking this quick quiz on computers?

1. True or False : The first portable computer was called the abacus.

2. True or False : A computer that has the problem solving capabilities needed by engineers, financial analysts and statisticians would weigh at least 1000 pounds.

3. True or False : There is now about one computer in the U. S. for every 1,100 persons.

Answers: 1. True. The abacus which dates back to 150 B.C. was the first portable computer. Today there is a portable desk computer called the IBM 510 that has a self-contained keyboard, a video screen where answers are displayed and a tape cassette storage cartridge that holds the equivalent of a 120-page report, yet it weighs only 50 pounds. True. It is estimated that there are about 200,000 computers in the U. S. today.



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Test Show Herbicide Does Not Form Cancer-Causing Agent

San Francisco, Calif. -- Extensive tests clearly show that atrazine, a widely used agricultural herbicide, does not combine with natural ingredients under living conditions to form a potential cancer-causing compound as earlier theorized by the Environmental Protection Agency.

Biochemical tests were initiated by Ciba-Geigy Corporation after a study conducted in 1974 at the Environmental Protection Agency Labs had shown that under certain laboratory conditions, atrazine plus nitrite could be converted to N-nitrosoatrazine. The class, nitroso compounds are suspect carcinogens. Atrazine is an agricultural chemical used to control weeds in corn, sorghum, and other crops. Ciba-Geigy markets atrazine under the trade names AATrex and AATrex AL.

Additionally, a water monitoring program established in 1975 to measure levels of atrazine in surface waters caused by runoff from treated fields in major use areas has shown that the amount of atrazine residue is negligible.

Results of the biochemical studies and water monitoring were given by Dr. G. J. Marco, Metabolism Investigations Manager, and Dr. L. C. Newby, Environmental Investigations Manager, for the company, in papers presented before the fall meeting of the American Chemical Society in San Francisco, September 2, 1976.

According to Marco, under use conditions of atrazine applications which were, in fact, adjusted to favor the formulation of nitrosoatrazine, no traces were detected in a variety of biological systems.

The only indication of such formations was under artificial laboratory conditions.

A series of tests were made which showed that rats and goats fed atrazine and nitrite were not found to have either detectable nitrosoatrazine or nitrosohydroxyatrazine in their internal organs or in the milk of the goats. In fact, after feeding nitrosoatrazine itself to goats, no detectable nitrosoatrazine was found in tissues or milk.

Fish were exposed to concentrated amounts of atrazine and sodium nitrite for 21 days. Later, in both raw and cooked fish, no nitrosoatrazine was found. Neither was the compound found in the water in which they swam.

Corn was grown to maturity in a typical loam soil treated with atrazine and a blend of nitrate and nitrite nitrogen at the time of planting. Again, no detectable amount of the compound was found in the corn or soil samples. Other studies with hydroxyatrazine in similar systems also showed no nitrosohydroxyatrazine. The only system producing any yield of nitrosoatrazine was in incubations of atrazine and nitrite in simulated gastric fluid, an artificial system mimicking stomach conditions. However, under natural conditions, there was no indication that atrazine could produce nitroso compounds in the human body or the environment.

In the water monitoring area during recent years, scientists at Iowa State University, the Environmental Protection Agency Labs, and others had indicated that traces of atrazine were being found in major streams. Even though the studies showed the amount to be insignificant, Ciba-Geigy initiated its own monitoring program to determine the levels of atrazine in streams and rivers at 14 locations throughout the Midwest. Studies were also made by the company to determine whether or not nitrosoatrazine occurs as a contaminant in those waters.

Results of the Ciba-Geigy program show that atrazine is present at extremely low levels in the Mississippi River and major tributary streams. Residues appear correlated to application time on fields and subsequent rainfall. The levels detected are regarded as insignificant.

Selected water samples from major atrazine use areas were analyzed for nitrosoatrazine and the compound was found to be absent in all samples.

"Based on information gained from our biochemical studies, no nitrosoatrazines are produced or deposited in biological systems, indicating that atrazine does not result in such exposure to man and the environment," Dr. Marco said. Dr. Newby stated, "The company felt it needed the monitoring program to quantify the insignificant low levels of atrazine in water reported earlier and to confirm that nitrosoatrazine would not be found in the environment."

South Plains Maid Of Cotton Contest

DEADLINE FOR ENTRY
SEPTEMBER 10

Robert McKinsey, Chairman of the South Plains Maid of Cotton Committee of the Lubbock Chamber of Commerce, encourages interested girls to enter the Maid of Cotton Selection before the deadline 5:00 p.m. Friday, September 10.

Basic qualifications for entry are: (1) 19 to 23 years of age, inclusive before December 28, 1976, (2) never been married, and (3) be at least 5 feet 5 inches tall.

The South Plains Maid will be flown to Memphis for the National Finals and will receive an all cotton wardrobe. First and Second alternates receive \$100 gift certificates. Contact Lubbock Chamber of Commerce for information.

SS Checks For Countians Now \$5,763,000

How much do Lamb County residents stand to gain from the boost in Social Security payments, which has just gone into effect?

What will be the average size of retirement checks to local beneficiaries under the new schedule?

Based upon the latest figures from the Social Security Administration, which show the number of recipients in the area and the amount they have been getting, their benefits during the remainder of this year will be approximately \$174,000 greater than they were in the last half of 1975.

The total gain locally, over the next 12 months, will amount to \$347,000 under the new rates.

The increase represents a 6.4 percent hike for those getting Social Security benefits as well as for most of the people receiving Supplementary payments, which aid the aged, the blind and the disabled in those states that participate in the supplemental program.

The added benefits, which will affect 37 million people in the two programs, will cost \$5.3 billion over the year, according to the Social Security Administration.

The increase was mandated by a change in the law, which became effective last year, under which future increases in benefits are to be tied to increases in the cost of living. The determining factor is the Labor Department's Consumer

Price Index and the amount it goes up between the first quarter of one year and the first quarter of the next.

Under the new scale, the annual payment for a retired worker rises from an average of \$2,448 to \$2,616 and, for the average couple, where both are receiving benefits, from \$4,176 to \$4,464.

The maximum, for men currently retiring at age 65, goes from \$4,368 to \$4,648. The new minimum will be \$1,295 as against \$1,216 previously.

What it adds up to, for Lamb County as a whole, is that pension payments to local residents will amount to approximately \$5,763,000 in the current fiscal year, as compared with \$5,416,000 last

EYE ON SAFETY

An estimated 41 percent of visual impairments due to injuries occur in and around the home. Caustic alkalis and acids, such as those contained in household cleaning products, can cause serious chemical burns to the eye—in the case of aerosols, compounded by the force of the contact. If eye contact occurs, hold the eyelids open and flood the eye immediately with water, continuing for at least 15 minutes. Then see a doctor.

With proper protective eye-wear, 90 percent could be prevented.



Industrial workers suffer an estimated 1,000 eye injuries every working day.

As for Social Security taxes, they remain the same. The only adjustment this year has been to levy taxes on the first \$1,300 of income instead of on \$14,100.

The best defense against glaucoma (which accounts for one out of seven cases of blindness in the U.S.) is an eye exam every two years after age 35. Glaucoma screenings, a major community service of The National Society for the Prevention of Blindness, are an important means of detecting signs of this disease and educating the public.

Letters TO THE EDITOR

LETTER TO THE EDITOR

September 2, 1976

Dear Sir:

It is fast approaching time for our annual field day. We want to personally invite you to attend. Additionally, your interest and support in publicizing this event is sincerely appreciated. Details concerning the field day are listed below.

The Texas Agricultural Experiment Station at the Hallway location will host this 67th Annual Field Day Tuesday, September 14, beginning at 8:00 p.m. Other agencies located at the Lubbock-Hallway Center and cooperating in the event are the ARS-USDA, National Weather Ser-

vice, Agricultural Extension Service and High Plains Research Foundation.

Highlights and topics to be featured at the field stops include soil fertility, water research on corn, cotton varieties, weed control research, and sorghum insect pest management. Films of other Experiment Station research can be observed concerning grapes, vegetables, cotton climatology and cotton insect control. Specialists will be centrally located and available for discussion of specific problems. Displays and exhibits will also be featured for public viewing.

Thanks for your cooperation.

Sincerely,

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By: MACKY McCARTY
CITIZENS STATE BANK

Oliver Wendell Holmes, one of America's top jurists, was something of a philosopher. He said, "Put not your trust in money, but put your money in trust," and this bit of philosophy lends itself to various interpretations.

As a banker, I agree and disagree with him. Our banking system is one of the most secure in the world, and our monetary system one of the most stable. You can put your trust in our money. You, also, should put your money in trust, and a bank savings account is an excellent place to begin.

Savings earn interest, and the longer they remain, the more interest you'll accumulate. Having a financial cushion to fall back on is security.

Save something, even a small amount, regularly. Mail in your deposits if that helps, but do it! You can only help yourself.

"The more you know about our business, the more we can help you!"

BELL - BURNEY WEDDING

(continued from page 5)

ered, with a white crochet cloth and centered with a chocolate cake and silver coffee appointments.

For a wedding trip the bride chose a pink three piece pant suit and wore a corsage of white carnations and pink roses lifted from the bridal bouquet.

The couple are now at home in Lexington where he is employed at the Industrial Generating Company.

The bride attended Springlake-Earth school for four years and is now attending Lexington schools.

The groom is a '73 graduate of Rockdale High School.

REHEARSAL DINNER AT CLUBHOUSE

Mr. and Mrs. E. F. Burney of Rockdale were hosts for a rehearsal dinner at the new Salem Clubhouse in Rockdale, the night prior to the wedding.



THE MARINES HAVE LANDED

No sooner had head smut been discovered in the local corn crop than the considerable expertise of Pioneer Hi-Bred research arrived to assess the situation. Six of the forty-man Pioneer corn research team rushed to examine corn fields throughout the affected area. Together with the agronomy service personnel out of Southwestern Division headquarters at Plainview and the Division's district sales managers, they have formulated recommendations for corn farmers in this area.

THE FIRST JOB IS TO IDENTIFY THE ENEMY

There are two kinds of smut in the corn fields of Parmer, Castro, Deaf Smith, Bailey, Lamb and Hale counties: common smut and head smut. Common smut has little, if any, economic significance. Head smut is the real culprit. Estimates are that it will reduce the yields of some fields by over 20%.

Common smut (*Ustilago maydis*), sometimes called boil smut, is repulsive but does not usually reduce yields. It is characterized by galls, bulbous growths which are at first covered with a glistening, greenish-to-silvery-white tissue. The galls may appear on any part of the corn plant including the exposed tips of healthy ears protruding beyond the shuck. The plant becomes host to wind or water born spores which stimulate cells in young tissue to proliferate.

Head smut (*Sphacelotheca reiliana*) is systemic, the plant being infected by soil-borne teliospores in the seedling stage. The outward signs of the disease are less conspicuous than common smut. It first appears when ears and tassels are formed. Tassels of infected plants usually appear to be covered with a reddish-brown or

black, spiny rust. Silkless shucks look as if they might cover a short, fat ear of corn but opening the shuck exposes a mass of black, worm-like teliospores or a tangle of bright green, leafy buds.

THE NEWS IS BOTH BAD AND GOOD

There are a few fields in which damage from head smut exceeds 20%. These are invariably fields which have been planted to corn for several seasons. Since head smut is soil born and there is no practical chemical treatment to control it, we can expect infection to increase from one year to the next when conditions are right. This year's weather, (dry and cool) was particularly conducive to infestations of both types of smut fungus.

The good news is that Pioneer has three excellent hybrid corn varieties that show strong resistance to head smut. One of these varieties is well known to area farmers and is the most planted variety in much of this area...Pioneer brand 3306. Two other Pioneer varieties...3184 and 3195...which were planted widely in this area for the first time this year, not only resist smut but have even greater yield potential than the well-known yield champion, Pioneer brand 3369-A.

If you have a field that shows signs of head smut infections, plan to switch to one of the three Pioneer varieties that provide resistance to the disease and, at the same time, give you a shot at the best corn yield you have ever had.

Talk to your Pioneer dealer now about ordering Pioneer varieties 3306, 3184 and 3195. It makes a lot of sense to plant all three.



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FARMERS

Joint-Venture Sunflower Production Contracts are being offered to Sunflower Producers on the High Plains by a European Firm thru a Joint-Venture agreement with John F. Herzer & Associates of Lubbock.

Cash price to the producers shall be determined on the date of delivery of seed by using the combined price of Sunflower Oil and Sunflower Meal in Rotterdam.

The producer is guaranteed a base price of \$0.09 cents per pound which is correlated to a combined Ex-Tank Sun Oil and CIF Sun-Meal price of \$747.00 per metric ton at Rotterdam. The Joint-Venture Contract offers the producer a \$0.50 per metric ton for each \$1.00 fluctuation up or down above the \$747.00 combined price of Sun Oil and Sun Meal.

This Joint-Venture Contract gives the High Plains Sunflower Producers who contract with John F. Herzer & Associates the assurance of a strong Local Market determined by the World Market demands for Sun Oil and Sun Meal based on the Rotterdam prices.

Producers interested in discussing Sunflower marketing through Joint-Venture Contracting or Direct Selling on an open market at harvest are asked to call 792-4418, or 747-0314, or 1-894-3598, JOHN F. HERZER & ASSOCIATES. "THE SUNFLOWER PEOPLE OF WEST TEXAS."

Soil Fertility Research Featured At Halfway September 14

HALFWAY--Nearly 100 million dollars get buried beneath the soil of the Texas High Plains each year. The money is in the form of fertilizer, some 650,000 tons of nitrogen, phosphorus, and occasionally a touch of potash.

Soil research scientists will tell field day viewers at Halfway next month Tuesday, September 14, what happens to the fertilizer under cotton, sorghum, corn, millet and sunflowers and how environmental factors influence fertilizer and crop interaction.

Dr. Art Onken, soil chemist with The Texas Agricultural Experiment Station at Lubbock, and Kenneth Banks, research associate for the Experiment Station at Halfway, say the chemistry of the High Plains soils is changing "continuously and irreversibly" as fertilizer is applied and used up by crops. The extent of this change and what farmers can do to assure that it continues to be beneficial are the topics of a tour stop near soil fertility research plots at which

Onken and Banks will be stationed during the field day.

The afternoon event, beginning at 1:00, will be hosted by the Texas Agricultural Experiment Station at Lubbock and Halfway. Beginning this year the field day will alternate between the two station sites, with Halfway serving as host this year.

Cooperators are the Texas Agricultural Extension Service; Agricultural Research Service, U.S. Department of Agriculture; National Weather Service; and the High Plains Research Foundation.

Experiment Station soil research efforts are aimed at fertilizer use efficiency, says Onken. Based on research data accumulated from test sites on farms throughout the High Plains as well as from the Lubbock and Halfway research sites, correlations are made between fertilizer use and plant growth. Recommendations are then made for fertilizer applications under given soil and crop conditions.

Other attractions besides tours of research plots at the Halfway Station include farm implement displays and audiovisual programs. Texas Agricultural Extension Service specialists will be on hand for individual conferences about production practices and problems.



JIM HIGDON... examines corn head smut, left, and common smut, right.

Head Smut In Corn Crops Studied

Studies of the 1976 infestation of head smut in the local area corn crops indicate that crop rotation is the best defense against future occurrences, agronomists for Pioneer Hi-Bred International have reported.

Jim Higdon, agronomy services director for the Southwestern Division of Pioneer, said the highest concentration of smutted plants this year has appeared in fields where corn has followed corn for several years.

Pioneer agronomists recommend rotation of corn with other crops to help prevent the build up of head smut spores in the soil, Higdon said. If rotation is not possible, Higdon said, agronomists suggest planting corn varieties with resistance to head smut in fields which have a previous history of infestation.

Higdon said head smut is a soil-borne organism that causes a systemic infection of the corn plant. Head smut is not transmitted by seed, the Pioneer agronomist emphasized. "Because the infection is systemic," Higdon said, "all of the infestation that will occur this year has already taken place."

Higdon said Pioneer agronomists have conferred with Dr. Robert Berry, area extension plant pathologist with the Texas A&M Extension Service at Lubbock, about the local head smut problem. According to Dr. Berry, infection occurs in the seedling stage of growth before, during, or soon after the corn plant emerges.

An infected plant grows normally, and the infection is not detected until the plant tassels and ears are formed. The tassel may or may not be covered by smut spores, but the developing cob and kernels are completely replaced within the shuck by black smut spores, Dr. Berry has reported.

Head smut was observed in Castro and Parmer counties in 1975, but its occurrence was more widespread this year. The areas where the 1976 infestation has been economically damaging were locations where corn has been grown for a number of years, primarily parts of Parmer, Castro, and Lamb counties.

As of this time, the most serious infestation has occurred within an area bounded by a line from Farwell to Friona to Hereford to Plainview to Olton to Milesheo and back to Farwell, Higdon said.

Head smut (*Sphacelotheca reiliana*) is sometimes confused with common smut (*Ustilago maydis*). According to Dr. Berry, common smut is a wind-blown organism which forms galls that are first covered with a glistening greenish to silvery white tissue. The galls are filled with dark olive-brown to black spores.

Incidence of common smut is higher among plants grown in soils high in nitrogen or after heavy applications of manure. Plant injuries from hail, cultivation or other causes greatly increase the potential for common smut infection.

Yield reduction from common smut is normally minimal, compared to head smut, because the infection is local and does not always affect the ear and kernels on the ear. Yield reduction caused by head smut is directly proportional to the percentage of smutted plants, because no grain is formed.

At two test locations in Castro County in 1976, it was found that different corn hybrids exhibited varying degrees of resistance to head smut, ranging from highly to moderately resistant, to moderately susceptible, to susceptible, Higdon noted. He gave the following examples:

VA Leading Employer Of Women

The Veterans Administration leads the federal government in the number and level of employment of women, VA Administrator Richard L. Roudebush announced today.

As of June 30, 1976, VA women in full time so-called "white collar" jobs numbered 89,198, the equivalent of 56.8 percent of the total VA work force.

"I have stressed continued efforts to employ and upgrade the role of women in the Veterans Administration and these new figures are a reflection of our genuine concern," Roudebush said. He said the most recent

Pioneer brands 3306, 3195, and 3184 have a high degree of resistance, 3780 has moderate resistance, 3305 is moderately susceptible, and 3369A is susceptible.

Higdon noted that in one test, in which 3369A was planted on land where 21 percent smutted plants were observed in 1975, only an average of 7.5 per cent smutted plants were observed in 1976 when 3369A was planted on May 3. Higher percentages of infestation are believed to occur in colder soils as seedlings are emerging, he said, so that the later planting date on that field may have accounted for the lower percentage of infestation than in 1975.

Based on observations in 1976, Higdon said, Dr. Berry concurs with Pioneer agronomists that, on land with no previous history of head smut, the likelihood of an economically damaging infestation is greatly reduced, even if a susceptible variety is planted.

available figures comparing VA and government-wide employment of women show that in October 1975 women accounted for 56.5 percent of total VA employment while in the government as a whole they were only 35.3 percent.

And in the year ending October, Roudebush said, the number of women employed by VA increased by 5,685, or 40 percent of the total federal government increases in female employment during that period.

"This is a remarkable record and we are extremely proud of it," he said.

During this same period, he said, VA women employed at the GS 9-12 level were 58.4 percent of total VA employment, while in the government as a whole only 20 percent of the GS 9-12 employees were women.

In the top levels of GS 13-18, women accounted for 10.8 percent of VA employees

while among government executives in general at those levels, women were only 5.1 percent of the total.

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Grandson Of Methodist Pastor Dies In Hereford

Graveside rites for Scott Watson, four week old son of Mr. and Mrs. Phil Watson of Hereford were held at 10:00 o'clock Tuesday morning in the Llano Cemetery in Amarillo. Rev. Leo Gee, pastor of St. Paul's United Methodist Church of Amarillo officiated. The infant was found dead in his bed at 10:00 o'clock Sunday, by his mother. The coroners report gave the cause of death as infant cyanome.

Survivors include the parents; one brother, 18 month old Gregg, his grandparents, Rev. and Mrs. Bill Watson of Earth and Mr. and Mrs. Tom Beck of Amarillo and several aunts, uncles, and cousins.

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Moisture Level Key To Grain Storage

Watching moisture content of grain crops as well as taking simple precautions can insure safe storage after harvesting, says an agricultural engineer for the Texas Agricultural Extension Service.

Richard Withers points out that an aeration system for grain cooling and moisture control is needed if the grain is stored more than two to

three months.

"Harvesting efficiency can be improved significantly with some crops by harvesting at moisture contents of 18 per cent or below. When grain is harvested at a moisture content higher than that recommended for safe storage, mechanical drying must be done," notes the Texas A&M University System specialist.

Moisture contents for safe storage vary with crops. Withers suggests these moisture percentages for efficient storage: corn, 13; flax, 8; rice, 12.5; sorghum, 12-14; soybeans, 11-12; sunflowers, 8; and wheat, 12-14.

"The higher the grain temperature and moisture content, the quicker the grain must be dried mechanically to prevent

mold, Withers points out.

"For example, when grain is at 90 degrees F. and has a moisture content of 18 per cent, the moisture content must be reduced to 15 per cent within about six-to-eight days. If the temperature is reduced to 70 degrees F., the allowable time to reduce moisture is about 30 days. Of course, in this example it is assumed that grain is being aerated during this period."

According to Withers, aeration systems for cooling grains and controlling moisture migration within the grain should supply about one-tenth cubic foot per minute (cfm) of air per bushel.

"Fans must be designed to provide this flow rate against the pressures developed in pushing air through the grain. If unheated air drying is carried out in the bin, an air flow rate of three-and-a-half to four cfm per bushel is required," contends the engineer.

Withers cautions that for certain crops designed for the human food industry, drying with heated air dryers may result in severe loss in grade and potential income as well as a loss in germination if the grain is to be used for planting.

"Grain temperatures should not exceed 110-112 degrees F. if germination is planned. Temperatures above this level should be allowed with extreme caution, particularly for food grains," adds Withers.

He also suggests some simple precautionary measures before storing crops.

Checking potential sources of water leaks into bins and sealing them with a good non-drying caulking compound is important. Also make sure air vents are protected from blowing rain.

"Where rust spots exist on galvanized bin surfaces, clean the surface with a wire brush and apply a good quality zinc or rust inhibiting paint," advises Withers. "Also plan for alternatives in your harvest and storage operation in case emergency drying or protection against insects is needed."

Corn Maturity Dictates Irrigation

LUBBOCK--Experienced farmers will tell you they can look at a corn crop and tell whether the grain is ripe. But when it comes to the question of irrigating during late growth stages, even they may have to admit they're sometimes not sure.

Judging grain maturity in corn is a matter of micro-measurements, agriculturists say. And it all has to do with the "maturity line."

Leon New, irrigation specialist for the Texas Agricultural Extension Service, says maturity stages determine whether further irrigation is profitable and should be closely checked before irrigating.

Corn kernels mature from the outward tip inward toward the cob, he says. As kernel maturity progresses, a definite white-yellow color distinction can be seen. This color separation on each kernel is known as the maturity line, commonly referred to as the starch line.

"The outward portion of the kernel that is mature and has reached full weight is yellow and hard while the inner portion toward the cob is white, in the dough stage and yet to mature," New says. "In heavier clay soils such as Pullman silty clay loam, Acuff and Olton loam, growers should irrigate until the maturity line has progressed to 1/3 to 1/2 the inward distance down the kernel."

"In other words, try to have a full profile of soil moisture at this stage of maturity," New advises. "This level of soil moisture is generally adequate for the immature portion of the kernel to mature and to maintain stalk quality. On sandy soils, corn should be irrigated until the maturity line has progressed 1/2 to 2/3 the distance down the kernel. This will normally occur around August 15 to 20 for corn planted in mid-April."

New says the maturity line is also visible on white corn

kernels but it is not as distinct as in yellow kernels. To identify the maturity line, one should break a corn ear in two, and closely inspect the exposed full kernels.

There are two other methods of identifying corn maturity, both relating to the maturity line. One is denting and the other is the forming of the black layer.

Denting is the first stage of maturity, New says. It occurs as the maturity line forms and begins to move inward down the kernel. It can be identified by the small indentation in the outward or end tips of the kernel after removing the husks.

New says the formation of the black layer is a signal of full maturity, and is visible after the maturity line reaches the inward point of the kernel, near the point where the kernel attaches to the cob. A dark brown line first appears near this point and later turns black. It can be located by cutting into the tip of the grain.

"After the black layer forms, the kernel can no longer increase in weight," New says. "Irrigation after this stage is of no benefit except to maintain stalk quality."

The maturity line is the most exact identification of the stage of corn grain maturity, he adds, but the three maturity signals can be used together.

Recirculating Sprayer Spotlights At Field Day

HALEWAY--A recent innovation in weed control equipment is proving effective in controlling johnsongrass, a weed pest that invades the Texas High Plains, reports a Texas Agricultural Experiment Station scientist here.

The innovation is the recirculating sprayer, a device attached to tractors which is used to kill weeds which are taller than the crop.

The sprayer is one of several featured highlights in the upcoming 67th edition of the Texas Agricultural Experiment Station's annual field day, Tuesday, September 14. The afternoon event will be at the Experiment Station at Halway, 14 miles west of Plainview on Highway 70.

Dr. John Abernathy, TAES scientist who heads up weed control research for the Lubbock Experiment Station which is co-hosting the field day, says the recirculating sprayer has given in research tests excellent johnsongrass control in cotton and soybeans at a cost of less than two dollars an acre.

"The sprayer is in commercial production now," says Abernathy, "and is locally available. Several commercial units will be displayed during field day activities."

Guests will see experimental tests using the recirculating sprayer in such studies as chemical roguing of sorghum, johnsongrass and shattercane control in sorghum, whiteweed control in skip row, and volunteer sunflower control.

In addition, prairie sunflower, rough blackfoot, cottonweed, nutsedge, lanceleaf sage, and oakleaf thistle, along with other existing weeds will be viewed from an identification and control standpoint in various crops, notes the researcher.

"A considerable amount of crop injury from herbicide use has been observed this season," he says. "We will explain the latest data on how much residual herbicide is required to cause injury to rotational crops as well as some

specific herbicide injury problems in corn."

Abernathy adds that research over the last three years has shown wide differences in crop response to certain herbicides. He says some specific crop varieties are much more tolerant than others to various herbicides.

Tours of the 320-acre site begin at 1:00 p.m. with tractor-pulled trailers carrying field day guests along a one-hour route throughout the afternoon. In addition to six featured agricultural field stops, slide-audio presentations of research highlights and a large farm machinery display supplied by area implement dealers can be viewed.

Lamb Ranks 10th In Carrot Production

AUSTIN--Lamb County ranked among the top ten carrot-producing counties in the state during 1975, Agriculture Commissioner John C. White has announced.

White noted that Lamb County farmers harvested 200 acres of carrots.

Statistics compiled by the Texas Crop and Livestock Reporting Service indicate that Texas remained a leading producer of vegetables and melons, ranking first in the nation in harvested acres for spinach and watermelons.

The state also ranked second in harvested acres for cabbage, cantaloupes, carrots, and onions, and fourth for green peppers.

Fresh market vegetables acreage harvested by Texas farmers, at 149,930 acres, placed the state third in the nation in that category.

Commercial vegetable production in Texas is largely confined to thirteen principal areas, including 105 counties, White noted.

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SUNNYSIDE NEWS

By TEENY BOWDEN



Mrs. Gladys Cleavinger of Dimmitt, a pioneer of the Sunnyside Community passed away in Plains Memorial Hospital in Dimmitt Wednesday night. She came to the community with her parents, Mr. and Mrs. O.C. Axtell, and her brothers and sisters when she was eight years old.

They settled the place where Mr. and Mrs. Charles Axtell, Paul and Harley live today.

In 1909 "Axtell" school was built about 1/2 mile west of their house for the children of the neighbors as well as the Axtell children. This school and "Rough" school consolidated to make Sunnyside in 1912.

The family were charter members of the Congregationalist Church at Old Springlake which was also organized in 1909. Here, the early settlers regardless of denomination, worshipped, had social gatherings, and community functions.

Here Gladys met Norman Cleavinger whose parents were pioneers in Lamb County only a few miles to the south. They were married in 1923 and farmed in the Old Springlake vicinity, where three of their children, Orville, Ronald and Norma Dawson still farm today.

He retired in 1952 and they moved to Dimmitt. He died in 1970.

Others besides the family attending the funeral services in the First United Methodist Church in Dimmitt Friday afternoon were Mr. and Mrs. Cecil Curtis, Mr. and Mrs. Don Curtis of Earth, Mr. and Mrs. Ray Joe Riley, Mr. and Mrs. John Gilbreath, Eddie Haydon and possibly others.

Ray Joe Riley returned home from Washington, D.C. Tuesday night after testifying for approximately two hours before the House of Representatives Sub-Committee on Oversight and Investigation.

The House of Representatives sent an investigator into this year last spring, and it was because of this investigation, that he was asked to come and testify.

The hearing had to do with the prices farmers are having to pay for natural gas compared to the prices received for the crops grown in the area. He pointed out that we are having to buy our gas from a single supplier who has no competition and can go up at will, whereas we sell our crops on a competitive basis which is not high enough to meet the cost.

Since we have no regulations of intra-state gas and no competition of suppliers, gas has been going up 2 to 3 cents per 1,000 cubic feet per month, if not more.

He felt that he had a fair hearing and Chairman Moss seemed very sincere. Two republican members of the committee did not appear to be favorable to the testimony, and he expects little benefits from the hearing unless there is a change in the administration.

The testimony will be published in the Congressional Record. Representative George Mahon introduced him to the Sub-Committee. Jodie accompanied his father on the trip.

Several from the community attended the annual Agri-Industries stockholders meeting in Dimmitt Thursday night. Charles Axtell was appointed to the senior board.

Mrs. Embree Roy Sadler attended the 50th anniversary reception of Mr. and Mrs. Carl Webb in Plainview Saturday afternoon. The Webbs are former residents of the community and members of the Sunnyside church. Mrs. Carl Baker, nee Bertie Baker, is a cousin of Mrs. Sadler.

The Layman-led revival began Sunday with Alvin Fleming, a farmer from Tuva, bringing the message, and Jim Fullingim, a farmer from Petersburg, will lead the singing each night. Mrs. Fullingim and Samona also attended the services.

Mr. and Mrs. Dee Jones of San Angelo arrived Saturday afternoon to attend the revival services and visit with their son, Rev. and Mrs. Raymond Jones. Bubba Jones spent the day Sunday with them.

Mr. and Mrs. Milburn Haydon vacationed in northern New Mexico and in Colorado last week-end and this week.

Mr. and Mrs. Roy Phelan visited this week in Weatherford and Fort Worth with relatives and friends. They visited in the hospital in Weatherford with S.C. Gunn and with Mrs. Norris Fuller of Covina, California who was visiting with him. He was removed from intensive care to a private room last Saturday. He is walking some now with a walker. His main injury was a whiplash injury to the neck.

Mr. and Mrs. Roy Phelan visited this week in Weatherford and Fort Worth with relatives and friends. They visited in the hospital in Weatherford with S.C. Gunn and with Mrs. Norris Fuller of Covina, California who was visiting with him. He was removed from intensive care to a private room last Saturday. He is walking some now with a walker. His main injury was a whiplash injury to the neck.

Mr. and Mrs. Myles Sadler and Gregory with Myles a happy birthday. Amy stayed with her grandparents last Sunday.

Mr. and Mrs. J.C. Burch of Denton visited last Wednesday with Jackie Clark and Mr. and Mrs. J.C. Holbrooks. They had supper with the Holbrooks.

Mr. and Mrs. M.H. Fowlkes of Lubbock spent the day Tuesday with Mr. and Mrs. Embree Roy Sadler and Amy.

Mrs. Lloyd Blanton took Mrs. Lillie King to Amarillo Saturday to spend a few days with her mother and Bill, who has had the flu.

Mr. and Mrs. Carl Bradley, Kent, Kelby and Kyle had as their Sunday dinner guests, Mr. and Mrs. Charles Hedrick and boys of Amarillo, Bill Matlock of Alba, and their mother, Mrs. Jess Matlock of Springlake. Mrs. Matlock went home with Bill to visit with him and his family awhile.

Lee Brown was one of the ushers and Gale Jones helped with the reception serving at the wedding of David Kniffen and Jo Ellen Schleusing last Sunday afternoon in the Springlake Baptist Church. Wendy Marie Kniffen was Jr. bridesmaid, Keith Kniffen was best man. Mr. and Mrs. Clint

Kniffen and family live at the El Paso gas plant.

Jack Bradley broke a leg Thursday night when he fell off a trampoline. His leg was put in a cast which he will have to wear for 5 to 6 weeks.

Terry Blanton received a sprained ankle Friday at work when his horse fell with him. He had to use crutches the rest of the week, but stayed on the job.

Mr. and Mrs. Randall Blanton and family of Vigo Park and Mr. and Mrs. Ronnie Blanton of Wellington spent the day Sunday with their parents, Mr. and Mrs. Lloyd Blanton and Terry.

The adult II Women's Sunday School class fixed dinner at the church Sunday for Mr. and Mrs. Jim Fullingim and Samona, Alvin Fleming, Rev. and Mrs. Raymond Jones and Bubba, and Mr. and Mrs. Dee Jones.

Mr. and Mrs. Thomas Parson and their son, Mr. and Mrs. Neal Parson and family of Muleshoe vacationed over the Labor Day week-end in New Mexico.

Mrs. Travis Deering and twin daughters, Stefani and Cherish, and Mrs. Jay Stanton and April Dawn of Dimmitt were visitors in the Sunday morning worship service.

Mr. and Mrs. Bud Woodward and Mrs. Nancy Copeland and Jennifer all of Lubbock spent Saturday night and Sunday with her brother, Mr. and Mrs. Cliff Brown, Lee who was home from Tech for the week-end and Lynn.

Mrs. Ray Joe Riley, Mrs. Gerald Graham, Mrs. Edie Haydon, and Mrs. Gerald Elkins were elected by the Springlake-Elarth band boosters to have charge of the band dinners for the season.

J.D. Abbe and children moved from the community to near Dimmitt last week.

Sand-Free Irrigation Well Featured At Halfway

HALFWAY--"An irrigation well capable of pumping 1,300 gallons per minute of crystal clear, sand-free water is a rare sight on the Texas High Plains."

That exclamation by Dr. Bill Lyle, associate professor for the Texas Agricultural Experiment Station, summed up the feelings of Experiment Station scientists when a 320-foot irrigation well went into operation this month at that location.

For the Experiment Station and for the High Plains Research Foundation which funded the highly technological project, the well indeed marks a milestone in the application of irrigation well technology. For it not only over-shadows two other wells on the 320-acre research site that pump 350 and 400 gallons per minute, but it proves, researchers say, that many other area wells could be pumping far more water and much more efficiently.

The well is scheduled for its first public viewing during the Texas Agricultural Experiment Station field day at Halfway September 14. The Texas Agricultural Experiment Station at Lubbock-Halfway is co-hosting the afternoon event, with Texas Agricultural Extension Service, High Plains Research Foundation, Agricultural Research Service-U.S. Department of Agricultural and National Weather Service cooperating.

"The primary purpose of the well," says Lyle, "is to emphasize that, through correct design and development, an efficient pumping irrigation well is possible which will provide maximum amount of water while completely eliminating the pumping of sand which plagues the majority of wells in the area."

Lyle says the well actually was designed to replace one which had failed due to excessive sand pumping.

The first step, the agricultural engineer says, consisted of drilling a test hole to obtain samples of the formation followed by an electric log of the aquifer. An electric log is a measurement to accurately locate the most permeable sections of the aquifer or water-bearing rock formation. Samples were taken every five feet within the saturated zone, and were analyzed for particle size. Lyle explains the analyses are used to determine particle size distribution, information that is necessary for an accurate gravel pack design.

"From this gravel pack design, a well screen was selected which effectively retained the gravel pack," Lyle says. "A Johnson Irrigator well screen with a 50/1000-inch slot was installed. This well screen provides about 10 times more open area per linear foot than does perforated casing and is of primary importance in maintaining the life and pumping rate of a well."

Lyle says the lower 40 feet of the aquifer, just above red bed, which is the bottom of the Ogallala formation, was screened. High Plains Drilling Inc., of Abemathy drilled the well and ran the electric log. They were also responsible for installing the gravel pack and screen which had been specified, Lyle says.

A 16-inch casing and well screen were set in a 24-inch drilled hole which allowed for the four-inch gravel pack. Lyle says a host of special steps were taken to assure the well's success. Use of organic drilling compound, high speed bailing, and high pressure jetting to remove filter cake material from the gravel pack and bore hole were all part of the operation. Following jetting, a colloidal dispersing material was used to suspend remaining clay particles which were removed by further bailing. During the developing operation, only very small quantities of sand were removed.

The well was next test-

pumped for 72 hours to determine its discharge (gallons per minute), drawdown relationships. The well remained completely sand-free during test pumping at all flow rates. Drawdown is the difference in the static water table and the pumping level required to maintain a given flow rate.

Lyle says the peak flow rate reached during the test pumping was 1,300 gallons per minute. There still remained 30 feet of available drawdown at this pumping rate. This is in "striking contrast" to the other two wells on the research site, he adds.

Test pumping was also carried out to enable researchers to select a pump matching "exact pumping condition of discharge and total dynamic pumping head."

While the construction of such a well is somewhat more expensive, the additional investment in a correctly designed well will definitely return profit dividends over the life of the well, Lyle believes. "One of the most important benefits is to prolong the effective pumping life of the well. It will greatly decrease or eliminate well-plugging due to encrustation and will substantially increase the life of the pump since the pumping of air and sand are eliminated. This will also help maintain higher pumping efficiency over the life of the pump."

This, plus the fact that one is getting the greatest amount of water per foot of drawdown possible all add up to maximum operating efficiency, he says. "With the inevitable and continuous increase in energy prices, efficient well design and operation will become much more important in years to come."

Farm Price Spread Explained

Although "farm-retail price spread" may sound like a foreign phrase, it is a big factor in how much you spend at the grocery store, says Buddy C. Logsdon, county agent for the Texas Agricultural Extension Service.

The farm-retail price spread or marketing margin is the difference between the retail price of an item, what you pay at the store, and the farm value, explains Logsdon. It measures the assembling, processing, transporting and retailing charges added onto the value of the farm product. In short, it shows consumers where their food dollars go.

Although there are minor monthly fluctuations in the farm-retail price spread, the long-run changes in the overall cost of food marketing are most significant, notes Logsdon. The farm-retail price spread has steadily widened in the past 10 years, due to rising prices and marketing charges, so-called middle-man costs.

FACTS & FIGURES

There are an estimated 486,550 legally blind people in the U.S. today. Half of these cases could have been prevented with current medical knowledge and techniques.



Cataract, the leading cause of blindness in the U.S. today, accounts for one of six cases of lost vision. Surgery can restore vision in 95 percent of cataract cases for which it is recommended.

Party Line

Cliff Layman is in the Methodist Hospital in Lubbock. He began a series of radium treatments Tuesday. He was reported to be doing fairly well.

The National Society for the Prevention of Blindness tells us that 577,800 children age 3 to 5 (or 1 in 20) are affected by vision problems. Conditions like amblyopia, often called "lazy eye," must be diagnosed early for effective treatment.

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