

## SUCCESSFUL DEMONSTRATION OF COTTON GROWING

Figures have just been compiled and a final report made for the cotton demonstration on the farm of S. S. Marshall at Pima. This demonstration was conducted in cooperation with the State Agricultural Experiment Station and the County Agricultural Agent. The crop was managed by George Hagan and J. E. Cosper. The demonstration consisted of eleven acres of Lone Star cotton. It has been of value to the farmers of the county in that it has established the following facts: First, that the Lone Star variety of cotton is well adapted to this locality. Second, that cotton is a profitable cash crop in our system of crop rotation. Third, that the crop can be produced with very little, and in some cases without any irrigation, providing the soil contains sufficient moisture at planting time.

The data concerning the yield and cost of production are of interest when compared with similar data concerning the returns from our other cash crops. The yield per acre was 457 pounds of lint and 507 pounds of seed. The gross return per acre at 15¢ cents per pound of lint and 2 cents per pound of seed was \$86.97. The acre cost of production including all labor and other costs but not including rental on land, was \$45.96, thus leaving a return of \$41.01 per acre for the use of land and water. The following is a summary of all labor and other productions of cost for the eleven acre crop.

Planting 8 days, man at \$2.50 and 3 horse team at \$2.25 \$38.00. Irrigating 3 days, man at \$2.50, \$5.00. Planting and cultivating 18 days, man at \$2.50 and 2 horse team at \$1.50, \$72.00. Cultivating 3 days, man at \$2.50, 4 horse team at \$3.00, \$18.50. Thinning 8 days, man \$2.50, \$37.50. Hoing 15 days, man at \$2.50, \$37.50. Picking at 1½ cents per pound \$208.62. Hauling to gin four days, man at \$2.50 and 2 horse team at \$1.50, \$16.00. Ginning, \$92.00. Total production costs for eleven acres \$505.62.

Acres cost of production \$45.96. NB. Cost of production does not include cost of seed which for this demonstration was furnished by the experiment station. To include this item of cost would add 36 cents to the acre cost of production.

Returns from 11 acres, 5028 lbs. lint at 15¢ cents \$753.34. 8,880 lbs. seed at 2 cents \$177.62. Gross returns for 11 acres, \$930.96. Gross return per acre \$86.97.

The seed from this demonstration has been kept free from other varieties of cotton and will provide a source of pure seed for planting this season. There will be sufficient seed to plant approximately 450 acres.

The following data and methods used for the crop on Mr. Marshall's farm may be interesting to the cotton growers of the valley:

No. of acres planted: 11. Previous crop: cotton. Soil preparation: plowed, irrigated-harrowed 5 times and rolled before and after planting.

Methods of planting: cotton planter 2 row. Time of planting: April 18, 1921. Rate of planting: 18 lbs per acre. Date of thinning: June 28 to July 2. Height of plants at thinning: 12 to 14 inches. Spacing of plants in row: 19 to 12 inches. No. of irrigations: once before planting. No. of cultivations: 9. Method of cultivating: (level or ridged) level. Time of first picking: September 20. Total lint: 5028 lbs. Total seed, 1st grade none. Total seed, 2nd grade: none. Cost of picking per pound: 1½ cents.

Cotton breeding work at the Arizona Agriculture Experiment Station. To meet the need in Arizona for a long-staple cotton for growing in valleys where the season is too short for Pima cotton, the Plant Breeding Department of the Arizona Agricultural Experiment Station began breed-

## Best Harding Likeness by a Woman



The most striking resemblance of President Harding yet made by artist or sculptor is now being completed in Washington by Mrs. Sally Farnham, famed woman sculptor. The President is a busy man but has been prevailed upon to give time for these sittings.

ing work last year with the following varieties of long-staple upland cotton: (1) Webber 82-2; (2) Webber 49-4; (3) Deltatype-Webber; and (4) Hamsville. Ginned samples of these four varieties were sent to the Bureau of Markets at Washington for official, commercial classification. The results of this test are given in the order in which the varieties are named above. (1) Strict Good Middling; 1½ inches; (2) Strict Middling, one and three-eighths inches; (3) Good Middling, one and three-eighths inches; and (4) Good Middling, one and five-sixteenths inches. These results with the satisfactory yields and the earliness which these cottons show suggest the possibility of breeding up a satisfactory, long-staple, plant cotton.

## TO FURNISH LUNCHES FOR SCHOOL CHILDREN

Wednesday afternoon the child welfare department of the Woman's Club held a meeting at the club rooms in the court house, which was well attended by the members of the department.

An hour was spent in sewing for the needy and much work was accomplished.

The committee appointed to have some dental work done for a little Mexican boy, reported that Dr. Brenner would gladly do the work free of charge. A vote of thanks was given Dr. Brenner.

Dr. Maud Callison, chairman of the county welfare board, Miss Flynn, principal of the grammar grade school, and Miss Minnie Daniels, teacher of the first grade, were present and plans for providing a lunch noontime for the undernourished of the school children were discussed.

Miss Flynn and Miss Daniels stated that there were at least ten children in the schools who were greatly in need of food. Many of them attending school without having had breakfast and without anything for lunch. Under these conditions the children cannot do good work in school and would soon become ill to attend.

During the talk on this subject Dr. Callison asked this department to co-operate with the county board in taking care of these children and the two organizations will provide material for the lunches, which will be prepared and served by the class in domestic science of the high school at noon time.

It is hoped by those two departments to secure the assistance of the Red Cross and other organizations in this work.

## RECOVERING FROM TYPHOID

The little three-year-old son of Mr. and Mrs. Chas. Burrell, who has been quite ill from typhoid fever at the home of his parents about a mile and one-half east of town, is reported to be recovering very nicely and before many days will be able to be up and around.

## BIG CIRCUS TO BE HERE TOMORROW AFTERNOON

Tomorrow, March 8th, will be "circus day" in Safford. The date is the eighth anniversary of the organization of the Woman's Club and as it has been their custom every year to celebrate with some novel entertainment, the members have decided to have a "circus" which will be held in Masonic Hall tomorrow afternoon.

The performance will start with a grand parade around the ring, headed by the band and elephants, camels, bears, lions, tigers, dancing horses, beautiful ladies (there are no ugly ladies with the circus), fat ladies, lean ladies, monkeys and many other wild animals will pass in review before the vast audience.

Vendors with their pink lemonade, the famous Bowman crackerjack, toy balloons, whips, ice cream cones, and peanuts will be there to tempt the pennies from the pockets of those who have the price of a ticket or who have gone on a "Comp."

This will be a very select performance and only members of the club and their out of town guests will be passed in, but should it prove to be a "howling success" it is probable that it will be repeated and will be given at Brier's Hall with a big street parade before the performance. Admission will be fifteen pennies, which will include all of the side-shows.

Remember the date.

## WEATHER REPORT

Thatcher, March 2, 1922  
Weather report of General Science Class of the Thatcher Public School for month of February.

Our coldest day was February 2nd the thermometer registering 30 degrees F. at 6 a. m. 47 degrees F. at 11:30 a. m. and 37 degrees F. at 3 p. m.

Our warmest day was on February 5, the thermometer registering 57 degrees F. at 6 a. m. 70 degrees at 11:30 a. m. and 74 degrees at 3 p. m.

The greatest variation was on February 3, the thermometer registering 25 degrees F. at 3 p. m. a variation of 28 degrees F.

General Science Class

By Lee Ball and Ora Cluff

## BLAZE NEAR GUARDIAN OFFICE

The fire department was called out Sunday morning about eleven o'clock in response to an alarm sent in from The Guardian office. The trouble was caused by a pile of brush near the of 50c becoming ignited and with the strong wind blowing at that time, the property nearby was threatened with destruction. However, the department responded quickly and the blaze was soon extinguished.

## CAUGHT IN THE ACT OF MAKING MOONSHINE

Monday morning, Sheriff J. D. Skaggs and Deputies Mangum and Talley went out to the Artesian country on a still hunt for moonshiners, who were thought to be operating in that section. When they reached the old Frank Paxton place they came upon a Mexican busily engaged in running a still full blast and all unconscious of the quiet approach of the officers.

The man was immediately taken into custody and gave his name as E. Sanchez.

On investigation the officers found a well-equipped still, which consisted of a ten gallon milk can a large barrel and several feet of copper coil, together with about ten gallons of good old corn whiskey. After destroying several gallons of the whiskey, the officers loaded the Mexican, the still and the balance of the whiskey into their car and returned to town.

Sanchez was lodged in jail until the afternoon, when he appeared before Judge Chambers and when asked by the judge what plea he desired to make, said: "Guilty, they caught me making it so I guess I'm guilty."

Judge Chambers announced that he would take the matter under advisement and that it would be several days before he pronounced sentence. The prisoner was given into the custody of the sheriff, who lodged him in jail.

## BASKETBALL GAMES AT TUCSON, SATURDAY

The boys' team of the Phoenix high school won the state basketball championship in a tournament which closed in Tucson Saturday.

The Phoenixians won two games Saturday, defeating the St. Johns team by a score of 31 to 23 and Gila Academy by a score of 50 to 26.

Gila Academy and Nogales took second and third places respectively.

The Phoenix high school boys team defeated Nogales 29 to 7 Friday. Gila Academy won from St. Johns 39 to 29.

LOST—BROWN KHAKI BAG, reward for same. Return to A. H. McAdam, Palms Cafe.

## ST. JOSEPHSTAKE

Home Missionary Appointments for March 12th, 1922.

EDEN—Oscar G. Layton and Wm. E. McBride.

BRUCE—Eugene Robner and Warner Mattice.

HUBBARD—Delbert Tyler and Douglas Lamoreaux.

GRAHAM—Wesley Taylor and Ross S. Bean.

SOLOMONVILLE—L. E. Holladay and Glen Evans.

LEBANON—M. Tanner and Wilford Reichmann.

LAYTON—Elige Saline and Andrew Angle.

THATCHER—Emery Hubbard and Lester Mechem.

THATCHER WEST—Mr. and Mrs. Wm. McRae.

CENTRAL—Paul Merrill and Ellis Weech.

PIMA—Lawrence Welker and Harry McCarroll.

MATTHEWS—Wm. Paul Beebe and Grover Hooper.

ASHURST—Gran Curtis and Walter Harms.

EMERY—Mr. and Mrs. Ephraim Larson.

VIRDEN—Vernal Anderson and Robert Stinson.

GLOBE or MIAMI—Lawrence Kempton and Walter Foote.  
Spencer Kimball, Stake Clerk

## FIRST PRIEST NAMED TO DIPLOMATIC CORPS



President Harding's appointment of Rev. Jos. M. Denning of Marion, Ohio, as U. S. Consul to Tangiers, Morocco, sets a precedent in diplomatic affairs. He is the first priest ever given a U. S. diplomatic position.

## SYNOPSIS OF FREELAND'S LECTURE TO TEACHERS

The following is a synopsis of Dr. Freeland's lectures to teachers in Graham County Institute, held here last month.

Although Dr. Freeland brought to the Graham County Teachers Institute a number of wholesome and practical ideas bearing directly on school betterment, probably the most interesting was his idea of how to improve the school morale.

It is well known that there is, in general throughout the west a woeful lack of cooperation between the teachers and trustees and also between teachers and patrons. This fact alone is responsible for much of the inefficiency of our teachers and schools.

Most teachers prefer to be left alone, for fear that their faults will be discovered. They, therefore, discourage visitors, whether fellow-teachers, principal or trustees or patrons. Teachers do not do this openly nor usually purposely, but they do not really make an effort to get visitors to call. This attitude has no doubt been a block to the development of school morale within the school as well as in the community for the school.

Dr. Freeland would solve this problem in two ways. First a better attitude on the part of teachers themselves. He showed clearly that the "all-wise teacher" is not only an impossibility, but a very undesirable teacher as well. Though the teacher has already made preparation and gone over the work, yet she must continue to study with the pupils. Teachers and schools are no longer considered as fact dispensaries, but as laboratories where live community problems are worked out and plans laid for real work in the lives of the boys and girls.

Furthermore we are coming to look upon the school more as social center, that is in that it is free from formality and rigidity, so that boys and girls may act perfectly natural and still be quite in harmony with the teacher and the rules. A group of workmen on a job in actual life would be seriously handicapped by enforcing upon them many of the rules and regulations that students have to meet in school. When we can really go about our school work as any ordinary group of professional workmen would go about a piece of work, then we will not only get more done, but we will be more happy and grow more while we are doing it.

The following terse quotations are very expressive of the message Dr. Freeland brought to us, and they may

## EVANGELISTIC SERVICES AT THE METHODIST CHURCH

The first of a series of evangelistic services that are to be conducted by the Methodist church was held Sunday morning in the auditorium of the church and was largely attended. Special music was furnished by the choir. A very beautiful solo, entitled "A Haven of Rest," was sung by B. C. Weaver.

Rev. W. E. Hawkins, who will preach during this series of meetings, spoke on the subject, "The Biggest Business in the World," and showed that the work of saving souls was the greatest of all work. Rev. Hawkins is a strong and convincing speaker and is well worth listening to. He also preached at the evening service, which was largely attended, not only by the people of Safford but by many from Ft. Thomas and Geronimo. At this service Major E. D. Householder sang "Jesus Lover of My Soul."

Services will be held each evening during the next ten days and will begin at 7:30 o'clock. Music will be furnished by the regular choir and the boys and girls of the Sunday school. There will also be solos and duets, but the first half of every meeting will be devoted to good old fashioned revival singing by the congregation.

## SAFFORD HI WINS DEBATING CONTEST

Friday afternoon Mrs. C. V. McClure and Prof. Rice and the two young ladies, Misses Wilma Weaver and Vera Moody, who were chosen to represent the Safford High School in a debating contest to be held in Miami Saturday night, left for that city.

The question for debate was, "Resolved: That further legislation to restrict immigration into the United States is injurious to the industrial development of the country." Safford defended the affirmative side, Miami the negative and was represented by Misses Lucille Stone and Clara Shawyer. The judges were Attorneys F. C. Jacobs and Hugh Foster of Globe and Dr. J. E. Bacon of Miami.

Ten minutes was the time allotted for the main speech of each debater, with five minutes for rebuttal. At the close of the contest the judges ruled in favor of the Safford young ladies, they having made a strong argument for their side of the question.

The debate was preceded by a short musical program. The debaters of both teams, their coaches and several faculty members were entertained at dinner the same evening.

## GAVE DANCE IN SCHOOL HOUSE

The presidency of the Lone Star Primary, Mrs. Lee Johns, Mrs. Davis Lamoreaux and Mrs. Frank Morris, gave a dance in the school house, Friday, March 3, for the benefit of the Primary. During the evening various kinds of dances, such as the Virginia Reel, Rober's Two Steps, Quadrills, Waltzes, Paul Jones, etc., were engaged in.

Refreshments of sandwiches, cake and cocoa were served.

At a late hour all were loathe to depart, after having spent an evening of the good old times.

## BAPTIST MISSIONARY TO HAVE PROGRAM

The Baptist Missionary Society will have a program and prayer for foreign missionaries.

The meeting will start at 2:00 p. m. Wednesday. We will have visitors from Clifton. All are invited.

well be taken as suggestive guides. "The Successful teacher is not BORN; she is DEVELOPED." "Practice does not make perfect; Training alone makes perfect." "Student learn only under their steam." "Thinking and Doing are both essential to education and growth." "Facts are not ends to be achieved; they are but means to the end."

## BILL TO INCREASE SALARY OF THE GOVERNOR

Senators voting for a raise in the pay of governor may run for governor under provisions of Senate Bill No. 35, introduced in the senate Saturday by Senator Burton, republican, Yavapai county. Senator Burton Friday introduced a bill to increase the governor's salary from \$6,500 to \$12,000 a year.

S. B. No. 35, provides for a constitutional amendment to subdivision 2, article 4. It strikes from this subdivision the words "Or elected," two words which, as explained, have proved a stumbling block since statehood for all senators wishing to run for governor and other high offices.

The subdivision in effect now reads: "No member of the legislature, during his term of office, shall be appointed (now reads, or elected,) to any civil office of profit in the state, created during his term or when there has been an increase in salary during said term."

## Motor Vehicle Law

A motor vehicle law bill was introduced by Senator Larson, Coconino county. The bill provides a complete set of rules for the government of motor vehicle traffic, for licensing under several divisions, for signals, lamps and speed. All offenses under this act are misdemeanors, with fines upon conviction ranging from \$10 to \$300, or from thirty days to one year in the county jail, according to the various provisions of the act. It is S. B. No. 34.

H. B. No. 12, repealing \$100,000 for cooperation with government in new irrigation projects, was read for the first time and laid over one day. Also H. B. No. 24, repealing law for advancement of money by state to counties were introduced and laid over one day.

At 10:45 a. m. Monday, on motion of Senator Goodell, who said that the standing committee had a large amount of work before them and would like time to get down to business. He mentioned particularly the appropriation committee as being "very busy."

The House did nothing Saturday. It was decided to go immediately into committee work. The bank code bill, duplicating the senate bank code bill, was being digested Saturday in committee. The general appropriation bill was occupying the appropriation committee's time. An announcement from this committee was that the general appropriation bill probably would be introduced next week.

The senate, before recess, adopted house concurrent resolution No. 1, inviting Herbert Hoover to address the legislature while here. The judiciary committee amended the resolution to make it read that Mr. Hoover be invited to speak "at his earliest convenience." The original resolution extended the invitation for him to speak while here, "preferably on March 15.

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