30 OR 40 LEAVES NEEDED FOR APPLE

Fruit Often Small Where Number of Leaves Less Than 20 to Apple

The leaf area of an apple tree is capable of manufacturing sufficient food material for a given number of apples of good size and quality. On heavily loaded branches and trees ther is often less than 20 or 30 leaves per apple, and under these conditions the fruit is small and of poor quality. Although some orchardists have practiced removing a few apples to increase the leaf area per fruit, until recently there were no experimental data available to indicate the exact number of leaves required per apple. Thinning has been more or less of a guessing operation.

M. H. Haller and J. R. Magness, horticulturists of the United States Department of Agriculture in a series of tests made at the Arlington Farm, near Washington, found that different varieties vary in the relationship between the leaf area and the size and quality of the fruit. For the Grimes and Pen Davis under the conditions of the tests at least 30 to 40 medium-sized leaves per fruit were necessary to obtain apples of good size and quality, and as many as 50 for the Delicious. When a smaller number of leaves was present the fruit was not only smaller in size, but was low in dry weight, low in sugar content, and of poor dessert quality. It was found also that apples grown with a large leaf area ripen slightly earlier than the same variety having fewer leaves per fruit.

These determinations were made by ringing or "girdling" the bark of a twig to isolate the fruit and leaves from the rest of the tree. Other investigations had shown that ringing largely prevented the passing of nitrogen and carbohydrates in either direction past the ring, thus making the fruit beyond the ring depend only upon the leaves with which it was isolated. By ringing and thinning the leaves to a definite number at varying distances from the fruit it was found also that apples can draw food material from adjacent leaves and leaves at a distance of 2 to 4 feet with almost equal facility.

S. JONES NAMED AS MARKET AGENT

Marion County Man Appointed to Succeed C. H. Spence Who Resigned

Seymour Jones, for many years rancher of Marion county, yesterday was appointed state market agent to succeed C. H. Spence who has resigned. Announcement of the appointment was made by Governor Patterson.

Mr. Jones once served as speaker of the house of representatives in the state legislature and has held other positions of trust. He has been active in the state grange and is prominent in agricultural and horticultural circles.

Prior to locating in Oregon Mr. Jones was a resident of Chicago, where he practiced law for a number of years.

It was said that Mr. Jones would conduct his headquarters in Salem. The branch office of the department will be continued in Portland.

Under the provisions of a bill enacted at the 1925 legislative session Mr Jones also will have charge of the state sealer of weights and measures department.

W. A. Dalziel, deputy state sealer of weights and measures for several years, will retire from the department.

FATHER-IN-LAW TARGET

PROMINENT OIL MAN ARRESTED FOLLOWING ASSAULT

LOS ANGELES, Feb. 16.—(AP)—Virgil G. Lassarge, said to be a wealthy Oklahoma oil operator and prominent as a golfer, was arrested tonight charged with assaulting his father-in-law, Walter Mathews. During an argument in the Mathews home, police said, Lassarge drew a pistol and shot the older man, the bullet causing a slight wound in Mathews' head.

More homes are broken up when the husband takes his bride to the home of his people then when they go to live with the wife's parents, Judge H. W. McLaughlin observes after 21 years in Tennessee courts.

Governor Patterson Signs Fifteen Bills Yesterday

Governor Patterson yesterday signed the following bills:

SB 40, by Marks—Relating to forfeiture of hunting and angling licenses.

SB 58, by Banks—Relating to election voting machines, instruction of inspectors and judges of election, and fixing fees of officers of election.

SB 62, by Reynolds—To amend sections of the nurserymen's license law.

SB 115, by Joseph—Relating to state bonds.

HB 79, by McCourt—Permitting various forms of coverage in one automobile policy.

HB 288, by repeals committee—Relating to tax supervising commission.

HB 291, by repeals committee—Relating to tax investigation committee.

HB 293, by repeals committee—Relating to limitation on the sale of property mortgaged under the bonus act.

HB 310, by repeals committee—Relating to dairy bull registration.

HB 328, by Swan—Relating to larceny by altering brands.

HB 388, by Swan—Relating to payments of expenses of county officials.

HB 404, by repeals committee—Relating to the duties of the clerk of Multnomah county.

HB 451, by repeals committee—Relating to financial aid to discharged soldiers.

HB 461, by repeals committee—Relating to five cent limit for car fare.

HB 470, by repeals committee—Relating to personal property of married women.

Coolidge Wants Fresh Air for Houses of Congress

WASHINGTON, Feb. 16—(AP)—President Coolidge is of the opinion that the house needs ventilation and ehumidizing as much as the senate, and more so. He submitted to congress today an estimate of $245,000 to provide apparatus to give the house chamber more fresh air, although he asked for only $185,000 to similarly equip the senate.

POLK COUNTY CIVIC CLUB BOOSTS FLAX

W. B. Batman of Salem Describes Industry to Monmouth Growers

OREGON NORMAL SCHOOL, MONMOUTH, Feb. 16.—(Special)—Monmouth commercial club banquet, held last night in the interest of the flax industry, was well attended by many interested farmers of this disrtict. W. B. Bartram of the State Flax Industry at Salem, gave a very comprehensive discussion of the flax problems, past, present and future and his survey of the possibilities along this line was most interesting to those present. Mr. Bartram offered figures showing the acreage devoted to flax growing in the Monmouth district had increased from 139 to 265 in the past few years. He ranks this district among the very best in the state and is now out of the class of experimentation. The Salem office is sending out contracts for the flax crops this week, but due to the increase of acreage many crops cannot be handled with their present capacity. Much enthusiasm for this industry was shown at the meeting and the outlook is certainly optimistic.

Short talks by many of the visiting farmers on the question, why they are farmers and would they leave the farms if they could, were interesting feature of the program. Generally speaking the farmers of this district feel greatly encouraged to stick by the farms.

NEGROES JUDGE NEGRO

Black Jury Finds Man of Own Race Guilty of Possession

OROVILLE, Cal., Feb. 16.—(AP)—Twelve negroes sat in judgment today and decided the fate of a fellow townsman and brother of their race.

Carl Carlson, negro, was the defendant. He had asked for a trial "by a jury of his peers."

After deliberating an hour they found him guilty of possessing liquor.

NOTED EDITOR PASSES

William Russell Rose of Cleveland Dead; Age Not Known

CLEVELAND, Ohio, Feb. 16.—(AP)—William Russell Rose, associate editor of the Cleveland Plain Dealer and dean of the editorial staff, died at his home today of heart disease after a year of intermittent illness. He recently was reported improving, however, and worked at his office Tuesday.

Mr. Rose never revealed his age nor gave any recognition to his birthday anniversaries. His colleagues reckoned his years at 72. He had been in newspaper work for more than a half century.

AIMEE CAUSES STIR

Head of WRNY Resigns After Evangelist Barred

NEW YORK, Feb. 16.—(AP)—Charles D. Issacson announced his resignation today as director of radio statio nWRNY, of the Hotel Roosevelt. He said in response to questions that cancellation by owners of the station of scheduled talks, on his invitation, by Mrs. Aimee Semple McPherson Los Angeles evangelist, was only "infinitesimally responsible" for his resignation.

Mrs. McPherson was scheduled on Issacson's invitation to speak Friday, Saturday and Sunday, but the invitation was withdrawn yesterday because owners of the station considered it "bad policy" to permit her use of the facilities for broadcasting."

Isaacson was oposed to the withdrawal of the invitation, he said, and could see no reason why Mrs. McPherson should not be allowed to give the world her message over WRNY.

Klamath Falls building permits for January totaled $72,435.

U. S. SENDS MORE MEN TO NICARAGUA

Company of Marines and Six Planes Ordered to Report at Corinto

WASHINGTON, Feb. 16.—(AP)—Further evidence of the anxiety with which the Washington government is watching developments in the Nicaragua civil war came today with disclosure by the navy department that a division of six observation planes and a company of marines had been assigned to report to Rear Admiral Latimer at Corinto.

The new orders closely followed these to the naval transport Henderson at Philadelphia, which will sail tomorrow for Newport, Rhode Island, to take aboard 600 blue jackets for duty with the fleet in Cuban waters. While the Henderson has no orders beyond that at present, she is being held available to transport marines from the Quantico, Virginia, base to southern waters, should need for them develop before she sails for Cuba.

Both the tentative arrangements regarding the Henderson and the orders attaching an independent aviation unit to Admiral Latimer's forces are described officially as merely precautionary steps under the administration policy of affording protection to American lives and property in Nicaragua. There is little doubt, however, that the continued fighting in Nicaragua around important towns, such as Matagalapa, where there are American and other foreign interests, is causing considerable concern here.

NOTICE OF FINAL ACCOUNT

In the matter of the estate of Lucy J. Ewalt, deceased, State of Oregon, County of Marion.

Notice is hereby given that John T. Whalley, administrator of the above entitled estate, has filed his final account in the above entitled estate and Tuesday, March 22, 1927, at the hour of 10 o'clock a. m. has been set for hearing objections thereto, if any, and for settling said account and estate.

JOHN T. WHALLEY,
612 McKay Bldg. Adminstrator.
Portland, Ore. f17-24-m3-10-17

FIRE CONTROL AIM

Forest Fire Meeting of Northwest Held in Tacoma

TACOMA, Feb. 16—(AP)—Out of the forest fire conference held here today with representation from Washington, Oregon, Idaho and British Columbia present, together with transcontinental railroad presidents, come plans for support for the existing fire prevention agencies, for improved and centralized forest fire news dissemination and for the annual continuation of the study of the forest fire problem through conferences.

Lumbermen, state forestry officials and representatives of private fire prevention agencies agreed that more complete data had been brought out at the conference than had ever before been presented at a gathering directed towards the problem of forest fires. The next conference will be held in Portland in 1928.

Garibaldi—New 85,400 school completed and dedicated for use.

ANCIENT CATHEDRAL AGAIN PUT TO USE

Oldest Catholic Church in United States to Be Seat of Archbishop

SAN ANTONIO (AP)—San Fernando Cathedral here probably will be the oldest Roman Catholic church in the United States to be the seat of an archbishopric when the newly elevated Archbishop Arthur J. Drossaerts is officially installed February 16.

The cornerstone of the cathedral was laid in 1738 and the church built upon that cornerstone still is standing and form one of the main units of the cathedral. Additions were built in 1868 when the church was made a cathedral and a bishop seated there.

Originally the church was under a Mexican prelate and at one time it was part of the archdiocese of Guadalajara, Mexico. Later it became part of the Archbishopric of New Orleans.

Archbishop Drossaerts' church has seen a great deal of Texas history. Fronting on Military Plaza with Main Plaza just behind it, the cathedral is just in front of the ancient Spanish governor's palace, probably the only palace in the United States. From the tower of San Fernando the Texas snetries saw and reported the approach of the Mexican forces in 1836. Later, after they had moved to the Alamo which is only a few blocks away to make a last stand, they saw the blood red banner of Santa Anna with its legend "No Quarter" flyin gfrom the tower of the cathedral.

The new ecclesiastical province which Archbishop Drassaerts will govern was created by Pope Pius in August, 1926. It includes, besides the archdiocese, the dioceses of Galveston, Corpus Christi, Dallas and Oklahoma, and a new diocese in Texas to be known as the diocese of Amarillo.

Archbishop Drossaerts was fifth bishop of San Antonio when elevated to the Archepiscopal rank.

SECRET ARMY PHANTOM

BERLIN, Feb. 16.—(AP)—Germany's "secret armaments" are nothing but a phantom, Minister of Defense Gessler told the ways and means committee of the Reichstag today.

"Secret armaments in Germany or any other country are utterly impossible," he said, "because armaments, to be valuable in modern war, entail material costs of such magnitude that it is impossible to keep them secret."