

OSU Bee Work Puts State in Top Spot Of Nation's Alfalfa Seed Production

One of Oregon's fastest-growing industries has nearly quadrupled its dollar value in the past 10 years, thanks to an Oregon State university entomologist who took an interest in a problem bees were having with uncooperative flowers.

The industry is alfalfa seed production. The man whose brainwork triggered the boom is Dr. William P. Stephen. The bees who do the flight work are alkali and leaf-cutter species. And the stubborn flowers are alfalfa blooms.

Put all these together and Oregon emerges as the state leading the nation in average per-acre yield of alfalfa seed. Ten years ago, before Stephen went to work on the problem, Oregon growers produced an annual average of 279 pounds of alfalfa seed per acre, which even then was better than the national average of 135 pounds per acre.

Production Zooms to 650 Pounds

But now, Oregon's production has zoomed to 650 pounds per acre, while the national average trails at 198 pounds.

Looking at this from a dollar and cent standpoint, the average annual value of alfalfa seed sales in Oregon was \$836,000 between 1955 and 1959. In the most recent year for which figures are available, 1961, alfalfa seed sales returned \$3,301,000 to growers. Continued growth seems certain.

Stephen's work has been concentrated in two counties—Umatilla and Malheur. With his help, the average yield per acre in Umatilla county jumped from 283 pounds to 525. In Malheur county it went from 446 to 780 pounds. The entomologist says there's no reason why his methods can't be used to increase alfalfa seed production in other areas as well.

Procedure Discussed

What, exactly, did he do to bring about this upswing?

First, he found two kinds of hard-headed bees that don't seem to mind the jolt they get from the "tripper" on the alfalfa blossoms when they go after the nectar. Then he built homes for their liking near alfalfa fields.

Stephen explained that the alfalfa flower must be tripped for cross pollination. The common honey bee isn't a good alfalfa pollinator because it sneaks in to get the nectar without touching the part of the flower that releases the tripper. Alkali and leaf-cutter bees, on the other hand, don't hesitate to enter the flower normally and trip the tripper—even though it means a knock on the head for them.

Because few alkali and leaf-cutter bees normally live in alfalfa-producing areas of Oregon, Stephen had to find a way to make them feel at home there.

Alkali Bee Lives in Soil

The alkali bee doesn't live in a hive. What's more, he's particular about where he builds his nest. The soil must have the right combination of sand, silt and clay; soil moisture must be fairly exact, and the right amount of salt must

be present. Few such sites exist naturally near Oregon alfalfa fields.

To solve the problem, Stephen found a way to make artificial bee beds. Growers, county extension agents and organized groups of townspeople cooperated in building such beds—scooping out three-foot-deep pits, lining them with heavy plastic, filling them with the right earth mixture and transplanting bee larvae from natural sites.

Leaf-Cutter Nests Varied

The leaf-cutter bee doesn't live in a hive either. But he's not as particular as the alkali bee about where he does live. He'll nest in wood cracks, nail holes, corrugated cardboard, hollow rubber or metal tubing, stems of pithy plants, etc.—anyplace where the female is protected from the weather.

The leaf-cutter has other advantages over the alkali bee. He's easier to colonize artificially, he flies longer and the grower can control the bee's time of emergence to correlate with peak alfalfa bloom.

Stephen's continuing research on bee behavior has revealed these and other facts that can be put to work commercially to help Oregon's economy.

NOTICE OF SPECIAL ELECTION Of Malheur Memorial Hospital District

NOTICE IS HEREBY GIVEN that on the 31st day of May, 1963, at the Little Theatre in the Nyssa High School in the City of Nyssa, County of Malheur, State of Oregon, a special election will be held at 3 o'clock p.m. and will continue until 9 o'clock p.m. of the same day, for the purpose of submitting to the voters of the said district the question of increasing the tax levy for the fiscal year 1963/1964 over the amount limited by Section 11, Article XI of the Constitution of Oregon, said additional levy to be used for retirement of debt, repairs, and replacement of equipment.

The amount of tax, in excess of the 6% limitation, proposed to be levied for said fiscal year is \$22,000.00.

Dated this 18th day of May, 1963.

JOHN STAM
Chairman of Board
Of Directors

Attest:
EVERETT C. HELDT
Secretary of Board
Of Directors.
Published May 23 and 30, 1963.

CALL FOR BIDS ON SCHOOL BUS

NOTICE IS HEREBY GIVEN that sealed bids for a 60-passenger school bus for School District No. 26, in accordance with specifications on file in the office of the school district clerk, will be received in the office of the school clerk until 5 p.m. Monday, June 10, 1963, and will be opened at 8 p.m. at the regular meeting of the school board on said date.

Bids will be accepted on the bus body and chassis separately. School District No. 26 reserves the right to reject any and all bids.

D. E. NEDRY, Clerk
School District No. 26
Published May 23 and 30, 1963.

LEGAL NOTICES

CALL FOR BIDS ON MOTOR FUEL

NOTICE IS HEREBY GIVEN that sealed bids for gasoline for School District No. 26 and the City of Nyssa, in accordance with specifications on file in the office of the school district clerk, will be received in the office of the school clerk until 5 p.m. Monday, June 10, 1963, and will be opened at 8 p.m. at the regular meeting of the school board on said date.

School District No. 26 and the City of Nyssa reserve the right to reject any and all bids.

D. E. NEDRY, Clerk
School District No. 26
Published May 23 and 30, 1963.

SCHOOL DISTRICT BOND ELECTION NOTICE

Adrian School District No. 61
STATE OF OREGON)
County of Malheur) ss.
School District No. 61)

NOTICE HEREBY IS GIVEN that at the school district bond election hereby called, to be held at the elementary school house in and for School District No. 61 of Malheur County, Oregon, on Tuesday, the 11th day of June, 1963 A.D., between the hours of 2:00 p.m. and 8:00 p.m., there will be submitted to the legal voters thereof the question of contracting a bonded indebtedness in the sum of \$235,000.00 for the purpose of providing funds with which to construct, reconstruct, improve, repair, equip and furnish school buildings and additions thereto and to acquire all personal property appurtenant thereto or connected therewith in and for said school district.

The vote shall be by ballot, upon which shall be the words "Bonds . . . Yes" and "Bonds . . . No," and the voter shall place a cross (X) between the word "Bonds" and the word "Yes," or between the word "Bonds" and the word "No," whichever indicates his choice.

The polls for the reception of the ballots cast for or against the contraction of said indebtedness will, on said day and date and at the place aforesaid, be opened at the hour of 2:00 p.m., and remain open until the hour of 8:00 p.m. of the same day, at which hour the same shall be closed.

By order of the District School Board of School District No. 61 of Malheur County, Oregon, made this 20th day of May, 1963.

CALVIN MARTIN
Chairman
District School Board
School District No. 61
Malheur County, Oregon

Attest:
C. G. BROWN
District Clerk
Published May 23 and 30, 1963.

NOTICE TO CREDITORS

NOTICE IS HEREBY GIVEN that the undersigned, by an order of the County Court of the State of Oregon for Malheur County, duly made and entered on the 13th day of May, 1963, was appointed executrix of the estate of Callie W. Vest, deceased, and that she has duly qualified as such executrix. All persons having claims against said estate are hereby notified to present the same, duly verified as required by law to her at the office of Taggart & Albano, 71 SW Third Avenue, Ontario, Oregon, within six months of the date of this notice.

Dated this 16th day of May, 1963.

NORA W. VEST
Executrix
Taggart & Albano
Attorneys for Estate
71 SW Third Avenue
Ontario, Oregon
First publication May 16, 1963.
Last publication June 13, 1963.

"LABOR FACTS"

DID YOU KNOW...

IN 1914 IT TOOK THE AVERAGE FACTORY PRODUCTION WORKER ONE HOUR AND THIRTY-FIVE MINUTES OF WORK TO PAY FOR A DOZEN EGGS... TODAY IT TAKES THE SAME KIND OF FACTORY PRODUCTION WORKER ONLY FIFTEEN MINUTES!



IN 1914 IT TOOK SEVENTY-FIVE HOURS AND FORTY-SEVEN MINUTES OF WORK FOR AN AVERAGE FACTORY PRODUCTION WORKER TO EARN ENOUGH MONEY TO BUY A TWO-PIECE SUIT OF MEDIUM QUALITY... TODAY, TO BUY THE SAME KIND OF SUIT, IT WOULD TAKE THE SAME WORKER ONLY TWENTY HOURS AND TWENTY-SIX MINUTES!

ALL OF THESE COMPARISONS ILLUSTRATE DRAMATICALLY THE IMPROVEMENT IN THE LIFE OF THE AMERICAN WORKER IN THE LAST FIFTY YEARS... THE FIRST FIFTY YEARS OF LABOR!

No. 2633
NOTICE TO CREDITORS
In the County Court
Of the State of Oregon
For the County of Malheur
In the Matter of the Estate of
REUBEN B. BASKETT,
Deceased

NOTICE IS HEREBY GIVEN, That the undersigned, B. B. Lienkaemper, has been appointed administrator of the estate of Reuben B. Baskett, deceased, by the County Court of Malheur County, Oregon, and has qualified as such.

NOW, THEREFORE, all persons having claims against the estate of Reuben B. Baskett, deceased, are hereby notified and required to present the same, with proper vouchers, duly verified, within six (6) months from the date of this Notice, to the undersigned, B. B. Lienkaemper, at the law office of Henigson & Stunz at Nyssa, Oregon, which place the undersigned selects as

JACKSONS RETURN HOME FROM TRIP TO MIDWEST

Mr. and Mrs. Wilbur Jackson returned home May 12 from an eight-day trip to the midwest. They flew from Boise to Chicago to attend the National Gas association convention. After spending five days in the windy city, they went to Indianapolis to visit a cousin, Mr. and Mrs. Robert Gillmore and family.

They then went by plane to St. Louis, Mo., and were guests of Dr. and Mrs. Howard Richardson and also visited former Nyssans, Mr. and Mrs. Clyde Snider, while there.

his place of business in all matters connected with said estate.
B. B. LIENKAEMPER
Administrator of the
Estate of Reuben B.
Baskett, Deceased
Dated and first published May 23, 1963.
Last publication June 20, 1963.

Worthwhile Club Ladies and Families Attend Picnic at Owyhee Lake Park

By Mrs. O. P. Council
SUNSET VALLEY — Worthwhile club members and their families attended a picnic last Thursday at Owyhee Lake park. There were 20 adults present for the dinner. Several spent the afternoon fishing.

Kim Jensen, daughter of Mr. and Mrs. Kenneth Jensen, spent Saturday and Sunday night as guest of her grandparents, Mr. and Mrs. Charles Schweizer.

John Knottingham was a Sunday dinner guest of Mr. and Mrs. O. P. Council.

Attend Graduation Rites

Mr. and Mrs. E. B. Smith and family attended graduation services Sunday evening at Adrian. They then accompanied Shirley Holland to her home where they served ice cream and cake. Miss Holland is a member of the graduating class.

Mr. and Mrs. Ira Price, Sr., spent Sunday at the home of their daughter, Mrs. Orville Groves in Parma.

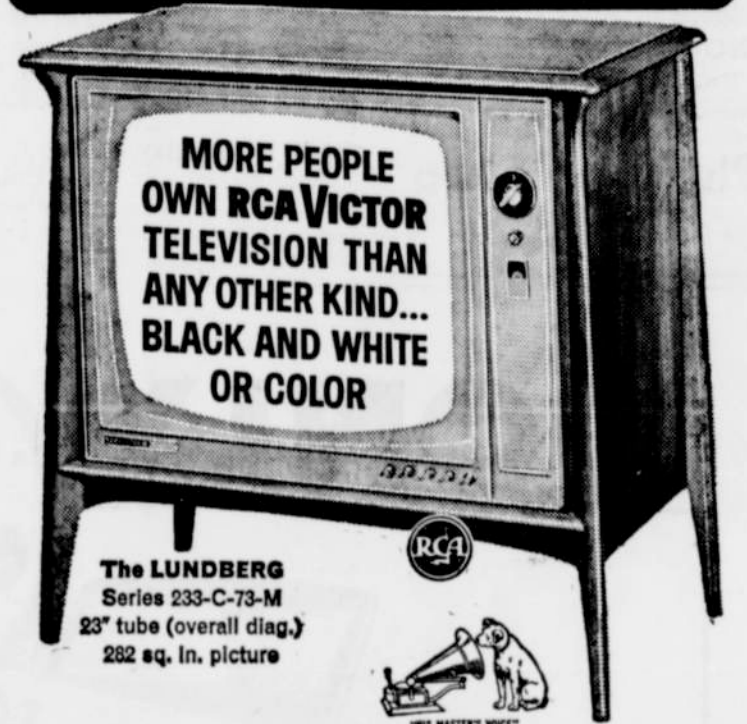
Mr. and Mrs. Albert Notheis attended the wedding Saturday evening Betty Van Zelf and Lavagnn Chaudoin in Nyssa.

Mr. and Mrs. Charles Schweizer took his sister, Mrs. Emma Householder, with them Sunday to visit their brother, Mr. and Mrs. George Schweizer, and their guests in Ontario. Their daughter, Mrs. Barr Doolittle of Huron, S.D.; her son, George Doolittle and family of Dillon, Mont., were guests in the Schweizer home. Mrs. Doolittle had been visiting for some time and her son and family came to take her to her home.

VISIT LDS TEMPLE

Mr. and Mrs. Glenn Peterson, Mr. and Mrs. J. E. Brower returned Friday evening from an excursion trip to the LDS temple in Idaho Falls.

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