

New, Vastly Improved Equipment For Seed Designed at Oregon State

A mechanical vibrator separator is latest equipment innovation to be used by the Seed Certification service at Oregon State university.

The new mechanical aid will further insure that only quality seed is tagged for certification in Oregon, according to Don Brewer, OSU seed certification specialist.

Superior quality of Oregon-grown seed has made it a commodity much in demand in both domestic and world markets, he said. Much of the favorable reputation enjoyed by Oregon seed is due to continuing improvement in methods used in the seed certification program which is conducted by the Cooperative Extension service at Oregon State, it was noted.

Operated by Electric Vibrator

The new vibrator separator will enable seed analysts to examine larger quantities of seed for noxious weeds and yet take no longer for completion of the test. The machine consists of a tilted table operated by an electric vibrator.

The vibration takes advantage of seed shape and texture in separating otherwise very similar seed and deposits them each in a separate bin. Surface of the table is changed according to physical characteristics of seed to be analyzed. This eliminates much of the need for inspecting each seed separately which is tedious and time-consuming.

The separator feeds the seed across a sloping board which vibrates at 3600 cycles per minute. Different types of seed are separated according to variations in seed coat and weight. Weed seeds in a sample of seed weighing up to one pound are concentrated in a thimble-full of seed.

Inspected for Noxious Weeds

The smaller sample can be quickly inspected for noxious weed seeds. This is done in addition to regular tests for certified seed, making purity of Oregon seed even more reliable.

The new equipment was designed by Ed Hardin of the OSU seed certification laboratory, working with Byron Mikkelsen, OSU agricultural engineering department. Work was done under contract between Oregon State Agricultural Experiment station and Agricultural Marketing service, U.S. Department of Agriculture.

Other equipment designed under the project, and now in use by the Oregon Seed Certification service, includes a closed examination table for treated seed, with a vacuum exhaust system to remove dust and fumes from seed treated with materials such as mercuric compounds.

Experimental Work Done

Another machine uses an endless revolving belt as a movable examination table for seeds. A movable microscope allows the operator to closely check individual seeds. Several other pieces of equipment are being used on an experimental basis.

The OSU Seed Certification service is pioneering the application of new seed testing equipment into its program so that growers can be even more confident that only the best certified seed is being shipped to market, Brewer stated. The hand method which for many years was a laborious hand-and-tweezer operation is being replaced by new machinery developed by researchers.

Journal Classifieds Bring Results!



THESE YOUNG LADIES are Junia Kay Mitchell (left) and Peggy Lewis who will appear in a "Dance of Colors" during the Nyssa LDS First ward road show to be staged Wednesday and Thursday, July 22-23, at the Nyssa stake house. The First ward will present its show, entitled "Lucky Day," under direction of Hortense Zobel, as will the other six wards within the stake. Curtain time each evening will be 8:15. Junia Kay's frock is tangerine, while Peggy is dressed in red.—Journal Photo.

Young Ladies Attend Idaho 4-H Congress

By Farmerette Club

NU ACRES—Vicki Hislop and Kristeen Keck returned recently from 4-H Club Congress at Moscow. Vicki, daughter of Mr. and Mrs. Dean Hislop, received her scholarship from Wilson's Market of Nyssa. She is in her fifth year of 4-H work and has completed 13 projects in foods, beef and clothing.

Kristeen, daughter of Mr. and Mrs. Sherman Keck, was sponsored by the Nu Acres Farmerette club. She is in her sixth year of 4-H work and has completed 26 projects in foods, clothing, canning, freezing, photography, garden, electrification and junior leadership.

Mrs. Roy McKague of Marsing was a July 6 visitor at the Mike McKague home. Roy McKague, Mrs. Ronald McKague and two daughters called during the afternoon.

Mrs. Mike McKague entertained with a birthday dinner July 1 for Mr. and Mrs. George Wilson and Mike McKague whose anniversaries were all quite recent.

Californians Visit Enroute

Mr. and Mrs. Gorton and family of Palmdale, Calif., were recent guests of her uncle and aunt, Mr. and Mrs. George Dohner. They were enroute home from Iowa and the central states via Yellowstone national park.

Mr. and Mrs. Charles Baldwin and Karen recently arrived for a few days' visit with her brother-in-law and sister, Mr. and Mrs. George Dohner. Mr. and Mrs. Baldwin are from Bakersfield, Calif., where they own and manage a motel. Mr. and Mrs. Harold Dohner and Richard were also recent evening dinner guests at the George Dohner home.

Kristeen Keck recently spent a week at the Methodist camp in the Sawtooth mountains.

SOURCE OF VITAMIN A

Butter is especially rich in vitamin A. Vitamin A is present in butter in both its natural form and as the yellow pigment, carotene.

Esther Leuck Dies Of Sudden Attack; Final Rites Pending

Funeral arrangements for Mrs. Hubert (Esther) Leuck, 45, were pending at press time Wednesday evening, according to B. B. Lienkaemper of the local funeral home.

Word of her death was received in Nyssa Tuesday night. She succumbed that evening in Cottage Grove following a sudden attack.

Prior to leaving Nyssa approximately two years ago, Mrs. Leuck had been employed at Malheur Memorial hospital since its establishment and served for six years as head nurse.

Mr. Leuck was reported to be enroute to Nyssa late Wednesday evening. A complete obituary will be published in next week's issue of the Journal.

Nyssa Plant Foreman Loses Son in Mishap

Funeral services for James Lynn Noel, 12, will be conducted at 2 o'clock this afternoon, July 16, 1964, at Peckham-Dakan-Davis chapel in Parma with the Rev. Stanley Banks officiating. Burial will be made in the Parma cemetery.

The youth, son of Mr. and Mrs. Mark Lee Noel, was killed almost instantly Monday evening when his bicycle and a car collided on Parma's Main street, according to Canyon county officers.

Driver of the auto is reported to have been Mrs. Georgia Verdine of route 1, Parma. She told officers that she didn't see the youth until after the collision, due to the sun shining in her eyes.

His father is plant foreman of Idaho Canning company's Nyssa corn cannery and the family resides at Parma.

James Lynn was born June 24, 1952, at Malheur Memorial hospital in Nyssa and was a lifetime resident of Parma. He would have been in the sixth grade this fall and was a member of the Cub Scouts.

In addition to his parents, he is survived by three sisters, Mrs. Donna Lee Freeman of Monroe, Ore., Mrs. Patricia Ann Haney of Madison, Wis., and Mrs. Mary E. Uphave of Carlin, Nev.; two brothers, Richard of Fort Monmouth, N.J., and Lawrence Noel of Parma.

VISIT IN ANDERSON HOME

Guests at the Henry "Andy" Anderson home this week are Mr. and Mrs. Bruce Wilkinson and family of Pueblo, Colo. Other recent guests in the Anderson residence were Andy's mother, Mrs. Henry Anderson, Sr.; his brother and sister-in-law, Mr. and Mrs. Ray Anderson and family of Duluth, Minn. Other recent guests were Mr. and Mrs. Lynn Metts and two children of St. Louis, Mo., former residents of the Nu Acres area.

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Honesty Prevails!

This is a story of an honest man: the type of item that is always a pleasure to read, and all too often is left unprinted.

The man referred to is Dean Hollenshead of Bend, Ore., site of the June 18-20 grand session meetings for Job's Daughters.

The Jobies attended a buckaroo breakfast early one morning in Rimrock park near Bend. Among the girls was Joyce Jennings who left her coat lying on a nearby platform.

Some members of the Nyssa delegation returned to the park later, but the garment was missing. Hollenshead was on the scene at the time and told Joyce's mother to leave her name and address and if he located the coat he would see that she got it.

Yesterday, nearly a month later, the Jennings' doorbell rang and a friend of the honest man handed Joyce her coat. He was passing through Nyssa and was asked by Hollenshead to deliver the package to its owner.

VISITS GRANDARENTS

Vance Terry Smith of Claremont, Calif., is spending the summer with his grandparents, Mr. and Mrs. Wyatt Smith. The young visitor is a son of Mr. and Mrs. Melvin Smith.

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