OSU Machine Development to Assist MAKES FAIR PREPARATIONS World's Seed Testing Laboratories

Machines designed to speed up seed analysis are being developed by Oregon State university researchers in a move which may bring partial mechanization to the world's seed Steve Kriegh was named presitesting laboratories.

Seed testing operations have changed little in the past 50 years, with all purity analysis work being done by hand. Ex-

gineering departments.

Machines to Aid Analyst

can be done faster.

department.

The Pacific Coast Seed associa-

tion and the Seed Research foun-

initiation of the research project

Two of the machines deal with

analyst. Tests of the first ma-

chine, designed primarly to pro-

chemical fumes, indicate the work

To be used for larger seeds

such as cereal grains, the machine

features an enclosed unit which

allows the analyst to inspect the seed without touching it or breathing dust or fumes of the mercuric compounds with which some

seeds are treated. Fumes and

The second examination machine was designed to speed up

examination of smaller seeds and to give better optical vision to

the analyst. Seeds move through the machine on a belt. It also

features a moveable microscope

by which the analyst can examine

The other two machines are de-

signed to partially separate seed

samples before they reach the

analyst. This is now done mostly

Vibration is used by one ma-

chine to achieve partial separa-

tion. The seeds pass over a vibrating tray and are deposited in

three containers. The seeds are

physical properties as size, shape

The vibrator will be used next

year in the OSU seed laboratory

to test it under actual working

conditions. Researchers feel it

will be particularly helpful in examining larger quantities of

seed under Oregon's certification

program. It is already known the

machine does a good job of sep-

To Achieve Partial Separation

The other machine uses an in-

separation by size and shape. As

dent cylinder to achieve partial

the cylinder whirls, the seed is

picked up and held in small indentations to achieve partial sep-

aration. Still in the test stage,

this machine may have its great-

est use in separating lawn and pasture mixtures which are

checked for proper seed propor-

were shown and demonstrated in

Association of Official Seed Anal-

cial Seed Technologists. OSU is

the only place where concentrat-

ed work in this area is being con-

Mr. and Mrs. George N. Bear

visited Sunday with friends near

VISIT NEAR SHEAVILLE

Denver, Colo., to members of the

ysts and the Society of Commer-

The machines created considerable interest recently when they

arating quack grass from such seeds as ryegrass, orchard grass

separated on the basis of such

all seeds on a given area of the

Designed to Separate Samples

belt faster and easier.

by hand.

and density.

and fine fescue.

dust are removed by vacuum.

TOWNES VISIT RELATIVES WHILE ON TRIP TO COAST

Mr. and Mrs. Herman Towne, changes. Mrs. Speed Porter and daughters visit their daughter and sister, Mr. OSU Agricultural Experiment and Mrs. Beaty Lay and family. station and the Agricultural Mar-Mrs. Porter and daughters re- keting service, U.S. Department mained there while the Townes of Agriculture. Edward Hardin, went on to Oakridge to visit her seed technologist, and Byron Mikbrother and sister-in-law, Mr. and kelson, assistant in agricultural Mrs. Fred Mull. In Harrisburg engineering, are heading up the they were guests of her brother- cooperative project between the in-law and sister, Mr. and Mrs. farm crops and agricultural en-George Eichner and family.

The couple then went to Reedsport to visit former Nyssans, Mr. and Mrs. Joe Dority and went dation of the American Seed deep sea fishing out of Winchester Trade association encouraged the

Mrs. Lay, Mrs. Porter and as a means of striving to put a daughters came to Nyssa last Fri- better quality product on the day and the former is visiting market, points out J. Ritchie other relatives and friends here Cowan, head of the farm crops this week.

CELEBRATE ANNIVERSARIES

Mr. and Mrs. Willis Bertram, the examination of seed by the Mr. and Mrs. S. P. Bybee, Mr. and Mrs. Wayne Simpson, Mr. and Mrs. Robert Allen of Payette, tect the analyst from dust and Mr. and Mrs. Dick Jamison of Portland and C. E. McDonald of Hooper, Utah, had dinner Saturday evening in Ontario in observance of the birthday anniversaries of Mrs. Bertram and Simp-

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Large and Small Animals

A potluck dinner and business meeting were held Aug. 18 in the Adrian park by members of the Adrian Livestock 4-H club.

During the business session, dent for the coming year. Other new officers are Joe Hite, vice president; Jane Timmerman, secperimental models of four maretary; Laura Mackey, news rechines developed at OSU may porter; Jeanette Phifer and Gloria bring about some of the first Holly, scrapbook committee; and Teresa Topliff, activity chairman.

Completion cards were filled The work is being done under left Aug. 16 for Powers, Ore., to a three-year contract between the out and animals were registered for stall space in preparation for the Malheur county fair.

Jane Timmerman, Reporter.

VISIT IN HELDT HOMES

Mr. and Mrs. Warren Heldt and family of Beaverton, Ore., visited recently with his mother, Mrs. Louise Heldt and other relatives. Other recent visitors were Mr. and Mrs. William Pentz of Stanford, Neb., their son-in-law and daughter, Mr. and Mrs. Norman Lans and children of Lexington, Pentz is Mrs. Heldt's brother. The Paul Heldt family of San Bernardino, Calif., arrived Sunday for a visit with his mother and other relatives.





FIRST PLACE WIN. NERS in the costumes and floats division of the local Chamber of Commerce - sponsored were Mike Ray (on left) gon, colorfully decorated tralia's capital city. with cage bars of twisted crepe paper. Inside the enclosure were various species of stuffed and balloon animals. Riding on top was a hap-py little elephant. Signs on the gay wagon read "Come Join the Circus" and "Beware of Wild Animals." Mike, son of Mr. and Mrs. Reed Ray, and Steve, whose parents are Mr. and Mrs. Art Bosselman, won the \$5 prize for their entry. Participants in the parade proceeded down Main street to Nyssa south park where they were all treated to free watermelon by members

T. Lewis Participates In Ship Celebration

Thomas L. Lewis, fire control technician second class, USN, son of Mr. and Mrs. Ray C. Lewis of route 1, Nyssa, is serving aboard the guided missile cruiser USS 'Back-to-School" parade | Canberra and recently participated in the celebration of marking and Steve Bosselman. the ship's 20th year of service Dressed as clowns, the and the 50th anniversary of the lads pulled a circus wa- founding of its namesake, Aus-

> Highlighting the festivities was personal message from President Kennedy to the Australian government, in which he reaffirmed the strong bonds of friendship between the two na-

The ceremony included a buffet-style dinner and a traditional birthday cake-cutting.

Currently assigned to the Sixth Fleet in the Mediterranean, Canberra is the Navy's only warship bearing the name of a foreign capital. She was named in honor of HMAS Canberra sunk by the Japanese in 1942. The U.S. version was launched in 1943.

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