

Hop Men View Robot Picker

Vines Must Grow 18 Feet
Which Is Higher Than
Practice Here

Probably every local hop grower, at some time, has wished for a robot hop picker—one that wouldn't let itself be subjected to the whims of weather or, in more recent years, by strike difficulty.

This week a group of local growers saw their first mechanical hop picker. It happened when E. Clemens Horst, whose big hop operations are in California but who also has a hop ranch in this valley, showed pictures of the portable and stationary mechanical pickers he has perfected on his California ranch.

Horst, answering questions, following the film showing, stated the practice of cutting the vines four feet from the ground, as is necessary to feed the mechanical pickers, works no injury to the vine, and he recalled that vines were cut even closer to the ground in the days of pole hops, instead of trellises as now prevail generally.

For the mechanical picker, the trellis must be high enough that hops don't bunch together on the wire, or in other words so they can be fed into the picker in one long string.

In California, where he raises 10 bales of hops to the acre, Horst reported his machine picked two acres of hops in a 10-hour day, this on a basis of 7 x 7 plantings with two strings to the wire. The wires are 18 feet above the ground, but the machine will work with the wires up but 16 feet, he said.

Uses Different Twine
As the hop vines are fed into the machine, they travel on a revolving drum with steel wire pickers, the hops rolling down a traveling belt and the leaves traveling upward and out. The vines are burned and the leaves scattered for fertilizer. Horst grows his hops on a cocoanut fibre twine, which not only does not clog the fingers of the picker, but which polishes them, making cleaning unnecessary.

Eight men operate the machine, and the actual cost of picking 500 to 600 bales on a ranch last summer was 37 cents a hundred including every cost from field to drier, as against 1.50 for picking alone here. Horst uses natural air driers in his California operations on premises that such procedure saves all the true aromatic flavor of the hop.

Movie pictures of the large Wierhop ranch in Polk county were also shown the growers gathered to see the Horst portable.

Horst reported that the stationary picker, which he first developed, does twice as much work as the portable but takes six times as many persons to operate. He indicated that he plans to use the machine for custom picking in California, and that outright sales of the machine is not in his plans.

The Safety Valve

Letters from
Statesman Readers

(Continued from Page 4)

nel it must be said there was no dunk act in evidence nor a doughnut in sight at Burke and Midland huge restaurant at the intersection of Clark and Madison streets in Chicago nearly 60 years ago. In lieu of the too-fried cake and to coax customers near and afar and even to the magnificent distances in Iowa there was placed on a large platter in the center of each round table three kinds of bread, parker house rolls, muffins, ginger snaps, sweet graham crackers and cornbread that looked and tasted like cake and all piled up to resemble the Round Towers of Ireland. Great goblets of scotch: For a nimble dime one could get a swell cup of coffee and carte blanche to tear into the obelisk without having the lady cashier shout "cut it, and make it snappy!" The pyramid was great pickings for the reporters on the b' dallas who rushed in to give the "tower" its needs and then rushed out with their "copy" to catch the afternoon edition at the newspaper plants hard by.

In winding up this little ball of yarn it is befitting to add that all those of any creed or nationality who stick bakesuffs of any kind into a cup of excellent blend coffee—a nectar fit for the gods—care little for the taste therein and the delightful aroma that emits through the correct brew, never boiled and clear as a whistle. In a nut-shell, the brew of the gods it illustrated is knocked hell, wot and crooked.

The findings in the above paragraph can be enlarged to mean that those who fail to get top-flight happiness out of a cup of

German Star En Route to Coast



Denying any romance between herself and Adolf Hitler, pretty Leni Riefenstahl, German film director and former actress, is pictured en route to Hollywood and the west coast. Miss Riefenstahl said: "Everyone in Germany sees Hitler. He is not hard to meet." She will study American methods of producing motion pictures before returning to Germany.—IIN photo.

United States Hop Supply Is Well Below Last Season, Says Special Report of Federal Aggie Bureau

United States supplies of hops for the 1938-39 season are well below those of 1937-38, states the Bureau of Agricultural Economics in a special hop market review. October 1 conditions indicated a 1938 crop of 35,815,000 pounds which with a carry-over of 25,173,000 pounds, would give a total domestic supply of 60,988,000 pounds compared with 73,693,000 pounds for the 1937-38 season.

Supplies for commercial purposes, however, are materially below total supplies. Under the hop marketing agreement approved by the Secretary of Agriculture, the salable quantity of hops from the 1938 crops has been placed at 29,700,000 pounds including 1,200,000 pounds which had been contracted prior to June 14, 1938. Adding the carry-over of old hops in all positions September 1, would give a total supply available for commercial purposes of 54,873,000 pounds for the 1938-39 season, compared with about 52,328,000 pounds for commercial use last season when about 4,365,000 pounds remained unharvested according to trade estimates and 17,000,000 pounds of older hops which were converted into fertilizer and other approved diversion uses.

Total Crop Estimated
The 1938 United States hop crop was estimated October 1 at 35,815,000 pounds. Of this quantity 16,555,000 pounds were produced in Oregon, 9,360,000 pounds in Washington, and 9,900,000 pounds in California. In 1937 production was estimated at 44,399,000 pounds, of which 24,530,000 pounds were produced in Oregon, 8,785,000 pounds in Washington, and 11,084,000 pounds in California. Of the 1937 crop however, it was estimated that about 4,365,000 pounds were not harvested on account of labor shortage and uncertain market prices.

Stocks of old hops carried over September 1, 1938 totaled 25,173,000 pounds including 5,579,200 pounds in growers' hands, 3,805,200 pounds held by dealers, and 5,788,000 pounds in brewers' warehouses. Of the dealers' stocks the bulk, or about 3,150,000 pounds, was from the 1937 crop. Approximately 470,000 pounds were from the 1938 crop with the remainder of older hops.

In addition to the domestic hops dealers held about 411,200 pounds of foreign hops. Some foreign hops were also included in brewers' stocks but data are not available as to the quantity. Stocks of old hops carried over

good coffee drunk in the right way have less intelligence than the noble Arabian horse who discovered the goodness and magic of the coffee bean while browsing contentedly in a certain spot far out in the vastness of the veldt.

DAVID McEATHRON.

The Crazy Mountains

The Crazy Mountains in a maze
Of pinnacles and spires
Revolved within the daybreak haze
That fled the sunrise fires.

The shadows and the sunlit slopes
Lay parallel and high,
Elusive as the lonely hopes
Where deep-drowned cities lie.

They swirled and shimmered, as the train
Rolled on before the dawn—
Till suddenly I looked in vain:
The phantom range had gone.

But not till beauty, free as air,
Had faithfully impressed
A print, indelible and fair,
On memory's palimpsest.

—EDWIN T. REED.

Sage of Salem Speculates

By D. H. TALMADGE

NOVEMBER CLOUDS
Unlike the clouds of certain other moons,
The clouds of dark November
cheer the prunes,
And give a sweet refreshment to the ground,
And caustic other blessings to abound.

Honest, wet clouds those of November are,
That harm no human, or a vista bar,
Impart small thrills unto the languid air,
Crazing at times to flirt with sunshine fair.

Little of vicious lightning do they hold,
Only in sweeps of mist their tale is told,
Softly and gently give their mystic touch—
Still, some folks grumble that they spit o'er much!

A gentleman on the bank plaza stated Wednesday morning that he remained on Tuesday night "until the last dog was hung." Refers, I suppose, to the dogs the country has been going to by fits and starts ever since the Declaration of Independence was signed.

DEFEATED CANDIDATES

Perhaps defeated candidates should not be laughed at. "Don't cheer, boys," ordered Commander Evans after that bloody affair at Santiago in 1898. And the commander was a rough old dog, hard as nails, too. It is not likely that the average defeated candidate takes laughter greatly to heart.

Many individuals have been defeated for office. All of us have noted unsuccessful candidates. There are individuals who accept defeat, any sort of defeat, gracefully. It is one of the laws of contest that one contestant shall lose. I once knew a woman who loved to play cards, but she should not have played cards, because she could not bear to be beaten. She threw a violent fit whenever she lost a game. After all, politics is but a game. At any rate, it is their own fault if they make promises, and shouted for the success of measures, which the voting majority held to be ridiculous.

On Tuesday the voters rose in their might,
And spoke in no uncertain voice, they did,
They fixed things up as they thought it right,
And, Jehovah! how that landslide split!

THEY STAND SO TALL

They stand so tall—those mighty men
God gave our nation through the years,
To light this world's bewildered dark—
Men whom no threat of tyrants drove,
Whom lure of profit could not buy.

Still dawn the years they call to us,
We lesser souls, who, fainting, strive
With eyes fixed on their valiant lives,
To follow steadfast, though far off—
And we renewed, take heart and rise

To do our part— they stand so tall.
CAROLINE COX, Portland.

Prep Prattle

By Clarence Fagg

Thursday the junior class is presenting "Peter Forgets Himself," with Gladys Crawford and Jack White playing the leading roles. There will be both an afternoon and night show. At the night performance in addition to the play, Miss Tartar's classes will present a group of special choral numbers.

The committees for the play are: Property and costume, Ann Donaldson, Alma Merk, and Josephine Sexton; advertising, Lester Jones, Jack White, Schuyler Giles, and Donald Baker.

The admission is 10c for a junior class ticket for the afternoon performance and in the evening general admission 20c.

Eugene high school sent five students to the Salem pep assembly as a student exchange. Those that were present were Mr. Kidwell, dean of boys, Paul Johnson, Bob Robertson, Guy Hynes, Grace Hemmingsen, and Jerry Spurlock.

Wednesday night the traditional bonfire before the Eugene-Salem football game was held. The bonfire was held at Bush's pasture with a noise parade down town following. After that the Grand theatre had a rally show at which Coach Hank introduced all the players, Burson Ireland led the group in yells and the song leader, Dorothy Kaster, led them in songs.

Tuesday night the high school held open house in observance of education week. All the teachers were in their rooms to greet students and their parents. The Sigma Lambda chapter of the national honor society presented the entertainment. Work of the different departments was described. The election returns were broadcast all over the building over the public address system.

Cain to Open Store

SILVERTON—W. C. Cain will open a jewelry store and repair shop on Mt. Angel November 15, according to present plans. He will occupy the building recently vacated there by M. I. Meyer. W. A. Cain, a son, will manage the Mt. Angel store, it is understood.

Up at Halsey, in Linn county, where I was at the time when news of the signing of the Armistice came, the occasion was celebrated I remember, with great enthusiasm but almost no gunpowder. However, the powder was exploded in an anvil, and when the last grain was gone came the news that the Armistice was an error. So there we were, gunpowderless, and only a heaven knows what we had celebrated. Later, the matter having been straightened out, we joined with Brownsville in its demonstration of rejoicing and, being 20 years younger than now, I made a run for it and got in at the jubilation at Portland. The first Armistice day celebration is the only one that stands out distinctly in my memory. The others are all of a piece. The world is talking war, much as it did prior to the war and democracy is apparently as safe as it ever was. I reckon that, after all, it was worth the cost."

And now Germany and Japan have joined in an ultimatum to Greece, Britain, the United States and whomever may be interested that they want the lands taken from them in the world war restored to them. Otherwise, they say, they'll take possession. Sitting up nights again thinking of demands to make.

A Certain Anecdote
A story was told here several days ago of two Union veterans, who at a reunion during the war fell to discussing the "scars" of service in the cause of home and native land. And presently, as was frequently the case in those days, when blood was not yet entirely cooled, they quarreled as to which could make the better showing. Each of these veterans had seen long service in the cavalry. Each had been in a saddle practically all the time for five years. Neither had been wounded. But each was a horseback rider. Each continued to ride, and each, in the matter, they agreed to let the town physician, a veteran of the infantry, determine which was entitled to the honor.

The story has resulted in considerable comment and some criticism. The veterans who were surprised to learn that the story is considered "not nice" by certain people, and my moral sense has gone under a cloud. I am suspected of being vulgar. A nice fix for a young man when starting out in life to be in, isn't it?

I do not quite understand it. I thought, and still think, it a perfectly pure reminiscence of some excellent soldiers. Perhaps they were a bit silly. But who isn't at times?

Do you remember the Kipling tale of how Sergeant Terrance Mulvaney captured the town of Lungtungen, and neither the sergeant nor any of his company wore a stitch of clothing when they did it? It came about simply because they were forced to wade a river, and they lost their uniforms and all supplementary articles of apparel. The river proved to be deeper than suspected, and the rifles and ammunition had to be kept dry.

I presume Sergeant Mulvaney's description of the embarrassing difficulties these Irish and Cockney soldiers encountered in patrolling the town of Lungtungen, with the dusky flower of Lungtungen's beauty watching them, would be considered "not very nice" by some critics. I have mentioned. War is a sad business, but there are times when even its sadnesses are laughable. And certainly one is entitled to get a laugh out of war and its affairs if it can find one.

About Stamps

By DORIS HAROLD

Hello Fellow Collectors:
Did you know that the past week was National Philatelic week? Throughout the United States stamp clubs have been celebrating it, and exhibitions have been held.

Word comes from Washington, DC, telling of the issuance of two more stamps in the regular series. Both first-days are November 22 at the nation's capitol. The 21-cent honors Chester A. Arthur and is blue in color. Grover Cleveland is the subject for the 22-cent red stamp.

Russian Set Beautiful
One of the loveliest pictorial sets issued of late is the Russian tourist set. It consists of scenic views in Russia, nine of the 12 in the set being in the Crimea and Caucasus districts. The values range from 5K to 1R. The scenes pictured are as follows: Views along Crimean shores; city of Yalta, Crimea; Georgian military highway, Caucasus; coast line, Crimea; view near Yalta; "Swallows Nest Villa," Crimea; Dzerzhinski vacation resort, Crimea; narrow line near Abkhaz, Crimea; view of Gurzuf, Crimea; gardens, Crimea; and another view of the villa.

Twelve new values are also being issued in the Falkland Islands. All the designs are different and range from whale jaw bones to Mount Sugarloaf.

In the left hand corner of each is an oval portrait of the king and in the right, the crown.

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Adah Chapter Is Host to Notables

Worthy Grands of Star
Honor With Presence
Tuesday Night

INDEPENDENCE—Adah chapter No. 34, Order of the Eastern Star, was greatly honored on Tuesday night when Helen Friday, worthy grand matron, and Philip Jones, worthy grand patron, visited the chapter.

Following escort duty, a floral degree was conferred on Mrs. Friday by the courtesy girls and the conductresses.

Other guests honored were: Edith Schroeder, worthy matron of Marilyn chapter at Mill City; Mildred George, worthy matron of Acacia chapter at Stayton; Ray Martin, worthy patron of Evangeline chapter of Eugene; and Robert White, worshipful master of Lyons lodge No. 29.

Degree Given Two
The degree of the order were conferred on Elizabeth Baker and Margaret Crider.

The November 22 meeting will be a "twin officer night" with Naomi chapter of Dallas, and the degrees of the order will be exemplified.

A "Rainbow degree" was then conferred on the honored guests, Helen Friday and Philip Jones. The conductresses, Queen Wood and Clara Van Loan, and the star points, Marian Harwood, Annetta Schweizer, Fern Fratzke, Evelyn Rogers and Gussie Calif.

Class Elections Held, Mill City

MILL CITY—Election at the Mill City high resulted in the following receiving office: Freshman, adviser, Coach Smith; president, Glenn Roberts; vice-president, Howard Naue; secretary, Joe Drapella, Jr.; treasurer, Buddy Thomas.

Sophomores, adviser, Mrs. Sheythe; president, Lois Wilson; vice-president, Frances Leach; secretary, Clara Crabtree; treasurer, Ruby Downing. Juniors, adviser, Miss Allen; president, Carl Kelly; vice-president, Harry Pendleton; secretary-treasurer, Dorothy Perry. Seniors, adviser, Miss Fletcher; president, Francis Bodeker; vice-president, to be elected; secretary, Warden Forest; treasurer, Wave Lyons.

School Club Has Meeting, Valsetz

VALSETZ—A lecture and bible picture was held in the school kitchen Monday night, conducted by L. H. Vickers of Salem, assisted by radio organist, Rev. Don Huckabee of KSLM. A large crowd was present.

The loggers and woodsmen were unable to go out to work a couple of days on account of extremely bad weather.

Tom Cook is now in Salem Deaconess hospital for observation to determine extent of injuries received while at work in the woods last week.

Cancel Meet as Contract Delayed

SILVERTON—The Industrial Employees' union contract mailed to Portland for consideration by company officials "did not get back in time Thursday for the Thursday night meeting of the IEU. The contract will be voted upon by the local at some later meeting and then returned to Portland for final company official signatures. Open shop is one of the features of the new contract, members report.

Thanksgiving Program Features PTA Meeting

SILVER CLIFF—A large crowd attended the PTA meeting Friday night. A reading of the "Courtship of Miles Standish" by Mrs. Daphne Hunt and acted by Mrs. Frances Warnock, Norman Dotter, Floyd Fox and James Mulkey was the program feature. Other numbers were by Otto Dahl of Silverton, John Brewer, Dorothy Brewer and the Valley View pupils.

Jefferson School Census Shows Increase Over '37

JEFFERSON—Mrs. M. A. Hutchings, clerk of school district No. 14, has completed the school census, and reports 269 children in the district, of which 136 are boys, and 133 girls. There are 51 more pupils than last year.

Hear Famed Speaker GEORGE I. BREIEL

Outstanding Leader and Orator
of the Odd Fellows Order,
Discusses

"Americanism and American Youth"

Tuesday Night, Nov. 15, 7:30
At Old High School Auditorium

Chemeketa Lodge No. 1, I.O.O.F. Invites the
Public to Hear Him

How Does Your Garden Grow? Garden Lovers the World Over Mourn Great Losses Storm Inflicted at Arnold Arboretum

By LILLIE L. MADSEN
Among the headlines reporting regrettable news this autumn was one that was of particular interest to gardeners the country over.

That autumn, however, brought much havoc in the Arnold arboretum. America's best known garden.

Recent reports sent out by Harvard university list the loss of about 1500 trees, including fine collections of hemlocks, oaks, magnolias, pines and many of the well-known and rare flowering trees. It will take weeks to clear up the debris, it is said.

Arnold arboretum was founded in 1872 as a branch of Harvard university and is situated in Jamaica Plain, about five miles from the statehouse of Massachusetts in the city of Boston. It is free to the public from sunrise to sunset every day and thousands of visitors call each year. Every real gardener hopes some day to visit this garden. The garden is devoted principally to the acclimation, cultivation and study of trees and shrubs.

The arboretum has approximately 250 acres. Most of this is enclosed by a low stone wall supporting a wire fence. Metal labels, six inches long and four wide, painted brown, with their Latin and English names and their native country in black letters is fastened to or staked near each tree and shrub. There are close to 6000 species and varieties of trees and shrubs belong to 86 families and 325 genera in the arboretum.

The loss in the garden is a loss to the entire country.

Inquiries Answered
Answers to inquiries:

F. A.: Asparagus fern will not do well in a hot dry room. It must have considerable moisture in the air and it must also have plenty of fresh air. You should spray the foliage at least once a week. Asparagus ferns should be replanted in spring. Their soil should be one part sand, one part leafmold and one part good loam.

N. M.: Dahlias should be dug as soon as first frost blackens foliage. Dry the roots in an airy place for a short time and then pack them in dry sawdust or sand for the winter. It is well to dust them with sulphur before putting them away and from time to time during the winter they should be examined to determine if they are keeping well.

G. G.: Asparagus fern will not do well in the leaves falling now. Most gardeners advise a layer of the leaves, a sprinkling of lime, a light layer of soil, another layer of leaves, another sprinkling of lime and another layer of soil, and so on until all the leaves are used. The compost will likely not be ready for use until late next summer or autumn. It takes several months for the compost to become suitable for garden use.

Scarlet Oak Colorful
L. D.: A colorful tree suitable for the situation you mention might be the Scarlet Oak (Quercus coccinea); Mountain Ash, or Red Maple (Acer rubrum). Some of the colored-leaved flowering cherries might also be suitable. If you want a tree that grows nicely, but rather small, one that flowers beautifully try Prunus Bierianna, one of the double pink flowering cherries. It blooms when very small, grows into a nice shaped tree and is hardy.

K. J.: In response to your request for "things to do in the garden now," I might say that this is one of the busiest times. However, outside of the autumn planting here are a few of the very necessary things to remember.

Take up all stakes, cut off all annuals finished blooming. Do the same with perennials. Burn these. Give your coral bells, delphiniums, primroses and similar plants a collar of sand (sharp sand) to keep them from doing too much damage in wet weather. It is likely this collar will have to be replenished from time to time. Start your compost heap with the autumn leaves now on the ground. Give your rose beds hardwood ashes.

G. R.: The Tea Crab is malus tiffneri, and Donald Wyman of the Arnold arboretum tells in a recent article that the leaves are used for tea by the native of southern China. It is a picturesque tree and shows to best advantage when planted in front of a group of evergreen trees. Among the other very interesting crabs are the Japanese flowering crab (M. floribunda), the Carmine Crab-

(Atrosanguinea), and the Arnold Crab. All of these are full of flowers in the spring and none of them are tall trees. A good double pink crabapple is M. spectabilis riversii, and a good double white is M. spectabilis alba-plena.

A. V.: The Texas Centennial rose is vermillion, the Miss Rowena Thom, red, and the Christopher Stone, scarlet. All three are very good rose to plant this month.

Use Bonemeal Now
T. R.: Both bone meal and well rotted manure can be used in the gardens now. Well rotted manure should be given to the rhubarbs now if it is to improve them by spring. We used to be told that we should not put this fertilizer on until late March. I am finding more and more experienced gardeners are putting it on in autumn with the reason given that winter rains bring it down to the roots. Gooseberries can also take some now. Gooseberries, roses, and lilacs should be sprayed in December.

F. M.: It is well to mix some rodent repellent in the soil where you plant tulips, narcissus, crocus, hyacinths and other bulbs. The repellent will do considerable to keep mice out during the winter months. An experienced berry grower informed me, in answer to your inquiry, that it is better to place the straw mulch around your raspberries now than to wait until spring. The rains during the winter are then more beneficial. It is of no use to wait until you are sure the ground is frozen over. Frequently the ground in this locality does not freeze hard during the entire winter, and if it does, it may last but a few days. Gourds for table decorations should be harvested now. Pull up and burn the vines that remain, or they will carry both disease and insect eggs over the winter.

D. T.: It is not well to plant delphiniums in autumn. They should be set out in early spring unless they were set out in September. But at that, early spring is still better time. Too frequently they won't come through the winter if they are replanted in late November. You may transplant your mock orange trees now. In fact, this is not a difficult shrub to transplant at any time. The Willamette Valley seems to be the ideal home for the Mock orange.

S. W.: The plant you refer to is very likely Mimosa pudica. The leaves of this plant fold up and droop as soon as they are touched. However, in a short time they reopen. The leaves might resemble tiny locust or black walnut leaves. The plant becomes a weed, we are told, in the tropics. The drooping of the leaves is caused by a very rapid loss of water from the cells.

P. S.: The judging scale set by the Chrysanthemum society of America includes: exhibition varieties: color, 15; stem, 5; foliage, 5; fullness, 15; form, 15; depth, 15; size, 30. Single varieties: color, 40; form, 20; substance, 20; stem and foliage, 20; Pompon: color, 40; form, 20; stem and foliage, 20, fullness, 20.

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