### Remarkable Strides Made in Guernsey Breed Development in Past 40 Years

## HIGH PRAISE PAID **GUERNSEY CATTLE**

By E. L. Westover

Upon examination of the records of the American Guernsey Cattle club, one is astonished at the rapid progress of the breed. In 1877, when the club was organized, there were about 150 purebred Guernseys

in the country. At the present time 70,973 bulls and 115,663 females have been registered. From April 1, 1920, to April 1, 1921. were registered 7889 bulls and 12,828 females. The club census today has followed a constructive and progressive program and has been very conservative in its policies.

EMPLOYS BIG FORCE On May 6, 1894, William H. Caldwell was elected secretary-treasurer of the club. The first summer he was in charge of the work, it was possible for him to do his farm work in addition to keeping up the records of the office. At the present time, it requires a force of 66 clerks to look after the records. When Caldwell took charge of the office, there were 105 members. At the present time, there are 1027. The vast and complete files at the club offices in Peterboro, N. H., tell a true story of the progress of this breed. Virtually all of the records of the club have accumulated under the administration of Caldwell, who has preserved them with the utmost care. FIFTY COWS ENTERED

The results of the breed test at the Pan-American Exposition in 1901 called the first attention to the virtues of the yellow and white cow. In a six public test with ten breeds com peting, the Guernsey produced butter fat at the lowest cost and made the greatest return for each dollar invested in feed. Fifty cows were entered, five from each breed and three of the top five were Guernseys, and the leader of all was Mary Marshall. Since this test, the progress of the Guernsey breed has been

The advance of the Guernsey first started in the east, and then the middle west, particularly Wisconsin, and now a rapid progress is being made in the extreme west. To meet the growing demand for Guernseys more animals are being imported from the Island of Guernsey than all other breeds combined. COMES FROM ISLAND

The prominent sales this spring indicate that they are selling at nearer their par value than any other farm product. Two western sales, one in Oregon and one in California, and four eastern sales, with a total of 332 animals, have sold for an average of \$672.88.

The Guernsey cow has the conforma-tion of a real milk producing animal. So pronounced is her dairy conformation that po one can mistake the purpose for she is developed. She is clean of flesh, open in framework, great in her ability to use feed. In the matter of constitution the Guernsey She comes from an island which slope from south to north, where her ancestors developed great hardiness. breed has developed a constitution which has enabled it to adapt itself to virtually every variety of climate, and it is distributed pretty well throughout the agricultural regions of the world.

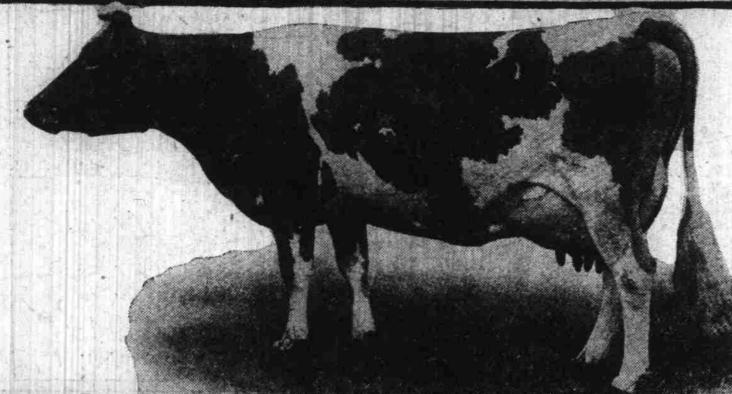
HAS EVEN TEMPER As to temperament, she is perhaps the most even tempered milker to be found, and this quality is so persistent that there is strong ground for belief that it has been evolved by the peculiar farming methods adopted in her island of

If we were to attempt to trace the origin of the breed, it is found that its development has always been along the lines of greatest production, particularly of butter, of a rich golden color. Economical farming has also had its influence, for in the island the universal

practice for years has been to tether grazing animals by means of iron tether pins eight to ten inches long, with a chain 16 feet long and a swivel attached to the chain or to the rope around the The animals are moved every two or three hours and only about three feet at a time, and while the main object of this is to enable them to eat off the ground remarkably clean, the practice has undoubtedly resulted in a breed extraordinarily tractable and docile. 18 REAL WORKER

It is, above all, an animal bred with a temperament which quickly responds in a practical way, and which now possesses the instinct of eating close OREGON FARMS SEEK GUERNSEY RECORDS









Above—Countess Prue, highest record cow in Guernsey breed. Below Scenes on Guernsey farm in Clatsop county, where are located some of the finest Guernsey herds in the country. Rapid strides are being made there in the development of the Guernsey breed, the county now having over 130 pure-bred Guernseys and about 100 high grades.

frame appealing directly to the practical leading position among milk cows solely dairyman, for she is a worker and so to on her merits as a worker. speak, a wage earner, for in return for her keep she fills the pail with the richly

relished the world over.

equal. Though beauty of outline is sub- boosting, and without special advantages

As a real worker, the Guernsey has no! It is a cow which without booming or of the breed.

The first cow to enter this advanced registry test was Linden Girl VI, a cow ing the past year, is due to the work the five months' test. that made a record of 501 pounds of accomplished by E. L. Westover, western butter fat. This was the leading record field man for the American Guernsey

At the present time, the leading cow of the breed is Countess Prue, with a publicity has been given this breed in record of 18,626.9 pounds of milk and 1103.28 pounds of fat. The 70 single letter class leaders have an average production of 15,446.51 pounds of milk, and 809.63 pounds of butter fat, an average test of 5.24 per cent. Of the 10,919 advanced registry records which have been made up to the present time, this includes cows of all ages, two year olds as well as the mature cows. The average production is 9116.51 pounds of milk and 457.22 pounds of butter fat, with an average test of 5.015 per cent fat.

### Arsenate of Lead Used to Kill Pest

Logan and raspberry growers, whose plants suffered injury to follage by the raspberry sawfly, should spray with arsenate of lead. The solution used by the entomologists of the O. A. C. experiment ordinated to utility, the Guernsey has a being created for it, has traveled to a station is 11/2 pounds of arsenate of lead to 50 gallons of water. It is applied with an angle nozzle to the under side of the In 1901, the American Guernsey Cattle leaf. The insect causing the damage is a her keep she fills the pail with the richly colored milk which churns into a butter advanced registry testing for the keeping on the underside of the leaves, causing of yearly records as a measure of merit a serious ragging, in some cases the of the breed.

# GUERNSEY GAIETIES CLATSOP COUNTY

Guernsey breeders of Oregon,

in the surf at Seaside, a trip across the chased for foundation stock.

TO FORM CARAVAN

at the Imperial hotel at 9:30 the morning of June 22. There an automobile caravan will be formed to proceed down the Columbia highway to Astoria, ar- N. J., 19 animals of the 49 were brought to view the Guernsey herds en route. Two stops will be made in Columbia One stop will also be made at John Day, mals, paying \$4445 for them. in Clatsop county, before arriving at Astoria, to look at the 13 Guernsey association. These herds are headed by son of Langwater Frederick and a grandson of King of the May.

WILL INSPECT HERD -The second day of the tour will b spent in Clatsop county, beginning with the John Jacob Astor experiment station, where Superintendent A. E. Engbretson, who is secretary of both the YOUNG COWS WIN PRAISE Oregon Guernsey Cattle club and the Langwater Traveller's days herd of the station.

the herds of W. O. Reith and L. Wilson 2-year-old. If she had not died from an will be viewed. Reith has a herd of 23 attack of pneumonia, it is thought that

Mark Johnson on the Lewis and Clark Butter-maker. river. After lunch, stops will be made on the farms of Pearl Cole, Victor Harwood, William Larson and Mike Seppa. Clarke cheese factory to sample the product of the Guernsey milk.

WILL TAKE DIP The caravan will then drive to Columbia Beach and from there to Seaside, stopping enroute to view the herds of David Tagg, Robert Poole, and Fred Hurlbutt. A clambake and a dip in the surf at Seaside will complete the day. The third day will include a trip across of the Columbia from Astoria to Pacific det butterfat. She is the dam of the Columbia from Astoria to Pacific det butterfat. at luncheon. The herd of H. S. Mc- JUNIOR NOW ON TEST

Those who follow national Guernsey activities have said that perhaps more this section than in any other part of the United States during the past six months, due for the most part to the activity of Westover.

PROGRAM ANNOUNCED Following is a detailed program of the "Guernsey Gaities": June 22—Leave Imperial hotel, Portland 9:30 a. m.; arrive Astoria, stopping enroute a Guernsey breeders farm, 5 p. m.; aslmon bake Astoria, Astoria Chamber of Commerce, 7:36

Astoria, Astoria Chamber of Commerce, 7:30 p. m.

June 23.—Tour of Clataop county. Leave Weinhard hotel, Astoria, 9 a. m.; leave experiment station, 10 a. m.; leave W. O. Reith's, 11 a. m.; leave K. F. Johnson, 11:45 a. m.; arrive Mark Johnson's for lunch, 12:30 a. m.; leave Mark Johnson, 2 p. m.; leave Pearl Cole, 2:30 p. m.; leave Victor Harwood's, 3:15 p. m.; leave Lewis & Clark cheese factory, 3:45 p. m.; arrive Columbia beach for drive down beach, 4:15 p. m.; leave David Tagg's, Clatsop Plains, 5 p. m.; leave Robert Poole's and Fred Huributt's, 5:56 p. m.; arrive Seaside hotel for dinner, 6:30 p. m. m.; leave Robert Poole's and Fred Hurlbutt's, 5:56 p. m.; arrive Seaside hotel for dinner, 6:30 p. m.

June 24.—Leave dock, Astoria, for river trip to Pacific county, Washington, 9 a. m.

### Tillamook Leader In Production of Butterfat in May

Tillamook county cows lead all others the state in average production of butter fat, according to reports just re- H. B. Frelinghuysen of New Jersey, and ceived from Peters and Hall, testers William Ross Proctor of New York. for the Tillamook Cow Testing association. A total of 1073 cows were tested in May, with an average yield of 47.84 pounds of butterfat. This is a daily average of more than 1.6 pounds of fat and is the highest monthly average yet reached by any association in the state. reports E. H. Fitts of Oregon Agricultural college, who is in charge of this

The highest yield of butter fat was 100.53 pounds, made by a grade Jersey cow owned by Carl Posetti, and the highest yield of milk was 2446 pounds, made by a Holstein cow owned by Durrer Brothers. The honor roll for the month follows

Class A, cows 5 years old and older, 145 cows gave more than 60 pounds of fat each; class B, cows 4 to 5 years, 31 cows each gave more than 55 pounds of fat; class C, cows 3 to 4 years, 36 cows each gave more than 50 pounds of fat; class D, cows 2 to 3 years, 37 cows gave more than 40 pounds of fat each.

### Jersey Breeders to Hold Picnic Tuesday

Chehalis, Wash., June 18.—The Lewis County Jersey Breeders' association will hold its picnic on Tuesday, June 21. The day's plans include automobile trips to the leading Jersey herds in the western part of the county. The party will start from the St. Helens hotel at 8 o'clock in the morning. It is expected that from 125 to 150 will attend the picnic, including visitors from Oregon points and from other sections of Washington. At noon a picnic lunch will be served at the So rensen place at Onalaska, after which the party will visit Jersey herds in Win-lock and on the Cowlitz prairie.

Will Attend Convention Olympia, Wash., June 18. — Josephine Corliss Preston, state superintendent of public instruction, will leave next week for Des Moines, Iowa, to attend the convention, opening July 4, of the National Educational association, of which she is

The "Gaities" will include a trip down on the importation of pure bred the Columbia river highway, a salmon Guernseys in the past 20 months. bake at Astoria, a clam bake and a dip Forty-two pure breds have been pur-

Columbia to Pacific county, Washington, Prior to the organization of the Clatwith stops along the way to view the herds of prominent Guernsey breeders of mals in the county. The county now has more than 130 pure bred Guernseys and about 1000 high grades. Fifty-four herds Those making the trip will assemble of the county are headed by pure bred Guernsey sires.

19 OF PEER HERD OBTAINED

riving in time for a salmon bake by the to the lower Columbia section. For these Chamber of Commerce, after stopping 19 animals, \$10,050 was paid, which was more than a third of the total amount paid for all the animals sold. R. B. county, one to view the herd of R. B. Magruder of Clatskanie paid \$4370 for Magruder of Clatskanie and the other eight animals. H. S. McGowan of Mcat the farm of T. Graham of Marshland. Gowan, Wash., also bought eight ani-

A. L. Gile of Chinook, Wash., which is across the river from Astoria, has the herds owned by members of the Bull largest Guernsey herd in the lower Columbia river section. On the Chicona farm, owned by Gile, are 120 pure bred Guernseys. His herd is headed by Langwater Traveler, a bull which has 50 per cent of the blood of Imp. King of May. Langwater Traveler's dam was Langwater Luster, which had an A. R. record of 806 pounds of butterfat in Class C.

Langwater Traveller's daughters are After leaving the experiment station, 630 pounds of fat in 10 months, as a specialists of the United States deshe would have been a class leader. In Next will come the herds of E. F. her tenth month she produced 62 pounds Johnson, J. F. Sale, Ernest Anderson of butter fat. Many of the other memand the Gustafson brothers. Noon bers of Gile's stock are descendants of funcheon will be served on the farm of the King, of Medfield and Langwater

W. O. Reith is the second largest Guernsey breeder on the lower Columbia. His herd is 23 pure bred A stop will be made at the Lewis and Guernseys is headed by Imp. West 630 pounds of butterfat at three years of age. He is a son of Governor of the

Chene, the sire of 102 A. R. daughters. Reith was the first breeder of Clatsop county to make an advanced registry record. He has made two A. R. records time. Viva of Chicona made 501 pounds County, Washington. A. L. Gile, of Chinook, will provide for the entertainment made 630 pounds of fat in 10 months.

Much of the success of the rapid Reith, is on official test now and has strides made by the Guernsey breed dur- 265 pounds of butterfat to her credit in

K. F. Johnson's herd on Young's river is headed by Arrowhead of Chilmark, bred by the Chilmark farm, New York, whose dam has an official record of over 600 pounds of butterfat at two and a half years of age. Arrowhead of Chilmark is strong in the blood of Antonette's Queen Prize Seventh, Masher Galore and Itchen Daisy, III. Johnson's herd also contains Loretta of Chicona and Dorothy of Lenwood, granddaughters of King of the

On the John Jacob Astor experiment station near Astoria are found a daughter of Flora Second Sequel of Vimera, and several daughters of Imp. Royal Governor of the Groe, an advanced registry bull that has sired five daughters having an average of 526 pounds of butterfat at three and a half years of age

### McArthur Advisory Judge at Dairy Show At St. Paul Grounds

Professor H. H. Kildee of Iowa State ollege will act as Jersey judge at this year's National Dairy show which is scheduled for October 8 to 15 at the Minnesota state fair grounds, St. Paul, and Representative C. N. McArthur of Port-land is to be advisory judge. McArthur, who is one of the directors of the American Jersey Cattle club, has also been appointed on the executive committee of the club which includes M. D. Munn of Minnesota, E. A. Darling of Vermont, P.

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escape both hens and turkeys. Taking a wider range than chickens and yet no Clatsop county, with the lower Co- thickets and weed patches, and com-Washington and Idaho will hold a three-days' session of "Guernsey Gaities" June 22, 23 and 24, during which time visits will be made to the homes of pure bred Guernseys been following the progress this section. Classop county, with the lower Columbia river section, is destined to mitting fewer depredations against field and garden than either chickens or turkeys, requiring little feed at any time, being prolific layers during their season of eggs, their eggs are thought by many to have a richer and finer flavor even the homes of pure bred Guernseys. the homes of pure bred Guernseys been following the progress this section clatsop county and the lower Cotion has been making. In Clatsop well worth considering on any farm port fruit dropping river section. vert all waste into meat and eggs.

In building a poultry house, new lum-ber will of course make the best appeareasier to work up because it can be bought in lengths most advantageous for the purpose. Houses for a few hens can sometimes be constructed from packing boxes, while used material or hand lumber, if it can be purchased cheaply and is close at hand, will sometimes lower the cost of the are suffering me

will be necessary, provided the fowls shotborer is first to keep up the can be made to use enough milk to of the tree.

Supply the necessary amount of animal Hence, in order to discourage nutrients. It will be necessary to give shothole borer, special care sh them milk for drink and not give them taken to keep the orchard in water, and also use the milk for mixing condition by cultivation, drainage the mash. In the absence of milk, meat gation, fertilization or any other scrap or fish scrap must be fed, or a that will make a vigorous tree. combination of both. Whichever is used if the trees have become de

Clatsop County Guernsey Cattle club, averaging over 500 pounds of fat with will show the breeders the Guernsey their first calves. Bedett Chicona, one by any of several conditions, say as the buds are swelling. partment of agriculture.

It may result from a disease or injur that seriously affects or destroys the secretory reproduction organs. It may be caused by improper functioning of the system, which in turn is often brought about by unsuitable feed or faulty elimination of waste products, or it due to a general lowering of body vi tality.

There are also cases of sterility or it Moreland Squire, who has sired two A.

R. daughters whose production averages

frequently occurs in boars and sows which have been fitted and kept in high condition for show purposes. In sor instances the sow fails to come in her or perhaps indicates that she is in heat and is successfully served by the boar without resulting conception. In other cases the boar shows no desire to mate.

or acts ineffectively.

The first step in overcoming the trouble is to find a positive cause, when possible, by making a thorough examination. This should include a search for physical defects, the presence of disease, the results of injuries, or lowered vitality

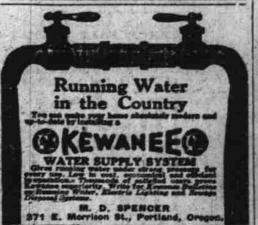
from any cause. When, from such examination, it appears that proper treatment will prove successful, remedies should be administered promptly. But if the cause obscure or if there is little likelihood correcting the defect successfully, it is best to remove the animal from the breeding herd. Boars may be castrated and fitted for slaughter as market hogs. Similarly, sows should be discarded when become uncertain breeders.

Many advertisers in this paper put out bulletins and catalogs full of helpful in-formation. Ask for them, always men-tioning Oregon Country Life.—Adv.



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chardists considerable alarm in the Willamette valley, according to reers' Cooperative association.

Orchardists from other districts neling down the terminal twige

Holes made by the sh appear very much like those me into its branches. All varieties of tr suffer from the shothole borer, but

house materially.

According to C. I. Lewis, assistant manager of the Oregon Growers, it is the devitalized tree that suffers mostly from the shotborer. The remedy for the

should be of good quality and of the Oregon Agricultural college, in the standard protein content.

port, says:
"In the spring, paint the infertrees, covering infested portions owith the following: Water, 3 gallo done this late in the season. The vae of the twig miner tunnel into young fruit when it is about a t the size of a cherry. This causes



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