



## FOREST SERVICE CO-OPERATION.

### Stockmen and Woolgrowers Encouraged to Strengthen Their Organizations.

Associate Forester A. F. Foster, representing the Forest Service, addressed the Annual convention of the National Woolgrowers Association at Omaha on the 15th, as follows:

Realizing the importance of the livestock industry to the general welfare of the West, the Forest Service, from the beginning of its administration of the National Forests, adopted a constructive policy for dealing with grazing problems. Most of the mountain ranges which have been included in the National Forests had been occupied by the flockmasters long before the Forests were created. With the demand for summer range in many localities greater than the supply, there had followed overgrazing and serious damage, while absolute waste of a large portion of the forage crop was taking place. Many ranges were fast deteriorating, though carrying no more stock than could be permanently sustained under proper regulation.

The first thing was to check the damage and waste with the least possible curtailment of the grazing privileges. Such divisions of the range were made as would secure the use of each portion by the kind of stock to which it was best adapted and give each group of owners, so far as possible the use of the range upon which they had customarily grazed their stock. Then it was decided what portions should be used only during the summer, what ones during the winter, spring, or fall, and what portions during the entire year, with the dates at which the grazing season should begin and close in normal seasons.

These measures did much toward stopping waste of surplus forage and showing that better methods were worth while. Attention was next given to extending the area of available range through encouraging the development of watering places and making trails to make accessible unused ranges.

Unfortunately, it has been necessary to make quite heavy reductions on some of the Forests to enable overgrazed ranges to recuperate, but such reductions have been made gradually in order not to cause undue business disturbance. The increased number of stock, however, provided for on other ranges has nearly offset the reductions. There were grazed on the Forests this last year 1,442,000 cattle and horses and 7,450,000 sheep and goats.

The collective grazing capacity of the National Forests is now on the increase. Energetic efforts have made by the Forest Service to promote the utilization of surplus forage which now goes to waste in northern Washington, Idaho, Montana. The removal of the forage crop in a proper way greatly reduces the fire damage.

If grazing it too close, however, the reproduction of the Forest is interfered with. Many timberland owners are willing to offer grazing privileges upon extremely favorable terms because they are not planning to grow another crop of trees. Replanted areas

must be closed against grazing for a few years, and where reproduction is difficult cut-over areas must be protected, by reducing if not excluding the stock, until the young trees are out of danger from trampling or nibbling. Since, however, the area cut-over and that replanted each year form, combined, less than one per cent of the total area of the Forests, no serious interference with the grazing is involved.

Careful investigations of the damage done young trees by stock in the southwest showed over twenty per cent of the seedlings and young trees seriously injured, and in some cases on ranges used extensively by sheep over fifty per cent, but the most damage was done when feed was scarce and was therefore largely due to overgrazing. The immediate and urgent problem which now confronts us is the development of the ranges to the highest possible state of productivity.

The gradual increase of the carrying power of the ranges will be brought about through improved methods of handling stock and growing the forage crop. A careful study is under way to ascertain the character of all of the land within the Forests, the kind of stock to which each natural grazing unit is adapted, the natural periods of use, and the undergrazed, fully grazed and overgrazed areas.

Experiments in lambing sheep in small enclosures proved that, under some conditions at least, a saving of lambs and labor can be made more than enough to offset the cost. In the coyote-proof pasture experiments a regular herder, without assistance from the Forest Service, handled the sheep with the same reductions in expense, amount of range required, and percentage of loss, and the same increase in weight of lambs, as in preceding years. The mountain bunchgrass range investigations have shown how, by proper rotation in the grazing, to secure thorough natural reseeding of overgrazed land without serious decrease of the number of stock while the range is being restored.

Many forage species have been tested through artificial reseeding experiments. The introduction of new grasses is a very difficult problem. Redtop was found to succeed better than any other cultivated grass on poorly drained bogs where the soil is acid, while Hungarian brome grass is better adapted to arid localities. Timothy is fairly drought resistant and yet can be depended upon to make a good stand in moist meadows. On the lands studied the most promising cultivated species for range reseeding were found to be, named in order of their importance, timothy, Hungarian Brome, Italian rye, redtop, Kentucky bluegrass, alsike and white clover, orchard grass, tall meadow oat grass, Canadian bluegrass and hard or sheep fescue. In all cases, except in parts of the Southwest, fall seeding has given much better results than

sowing in the spring.

It is important that stockmen strengthen their organizations and keep up a live interest in them. There are now sixty-eight advisory boards, representing local livestock associations, which are cooperating effectively with the Forest Service in the settlement of grazing problems. Advisory boards of both the American Livestock Association and the National Woolgrowers Association are being consulted and are giving valuable assistance with regard to matters which effect the interests of the stockmen as a whole. Matters of vital interest to every flockmaster in the land are continually coming up, and call for efficient organizations of range users. The Forest Service is entering new fields of scientific range management and is engaged upon problems of great interest to the stock-growers. With their cooperation we shall be able to better meet the needs of the flockmasters and make the Forests more useful to all of the people.

Special—29 cents on Saturdays only—a 1-pound box of Barr's chocolate candy. Fresh stock received every week. Don't overlook this bargain. Patterson & Son, the REXALL Store.

#### High School Notes.

Mr. Marshall Phelps was quite agreeably surprised last Friday evening at the home of his parents, Mr. and Mrs. A. M. Phelps. The surprise was in the form of a dinner party tendered him in honor of his nineteenth birthday. The house was decorated in the Senior class colors, orange and black. The dinner was an elegant affair being served in courses. After the dinner many toasts were given by the members of the class, Mr. Hoffman acting as toastmaster. Mrs. Phelps was aided in serving by Miss Florence Lusted. Members of the Senior class and the faculty of the High School were present, who were, Mr. Hoffman, Mr. O'Sullivan, Miss Young and Miss Funk of the faculty, and Marie Hager, Minalena Cameron, Tena Devin, Sidney Hallock, Harold Cohn, Arthur Crawford, Harry Rood and Marshall Phelps of the Senior class.

Miss Conifred Hurd, of Eugene, has been elected to the place of assistant teacher in the Heppner High School, to take up the work immediately after the holidays. Miss Lilah Clark has been advanced to the position of principal, made vacant by the resignation of James H. O'Sullivan, and Miss Hurd takes her place. Miss Hurd was a classmate of Miss Clark's at U. of O.

Western Governors will be given a banquet by the Progressive Business Men's Club of Portland at the Commercial Club on the night of December 23. They will have returned from the trip through the East on board the Governors' Special and are expected to give an account of this trip that opened the eyes of the East to the possibilities and resources of the West.

Bargains in S. C. Rhode Island Reds. 1911 Breeding Pens for sale to make room for new stock. All prize winning stock. Call or write. L. W. BRIGGS, Heppner, Or.

Don't forget that Hood River elder at Hendricson & Gurdane's.

## DEMONSTRATION ROADS IN E. O.

### College to Show Farmers How to Make Good Market Roads.

CORVALLIS, ORE., Dec. 15.—A demonstration road a quarter of a mile long is to be built at the Union Experiment Station by the Oregon Agricultural College in order to teach the farmers of that district the methods of building and maintaining good market roads. The land there is a sandy loam which lends itself readily to the sand-clay and oiled earth methods of construction, both of the cheaper sort. One section of the new road will be an ordinary earth road properly crowned and drained but not maintained. Another, built like it, will be kept in repair with a road drag. A third will show the sandy-clay process, and a fourth will be treated with a heavy oil. Careful record of the cost of construction and maintenance will be kept.

#### Sand Hollow Items.

Mr. Copic is running two plows.

R. B. Rice put in a telephone last week.

B. S. Clark is seeding rye on the Tucker place.

There was a dance at B. F. Swaggart's Friday night.

Mr. Millet has sold his ranch and Mr. Harmsen has gone.

Mesdames Redding and Evans spent a day with Mrs. Rice last week.

We also hear the Ornduff place has been sold and will soon be occupied.

R. B. Rice has completed a cabin for Mr. Town on his Strawberry claim.

Lee Copenhaver is home on a visit after two years absence in Washington.

Miss Winnie Smith will be home from Corvallis to spend the Christmas vacation.

Claud White is building a new barn. Next is a well and then a new house, he says.

There was quite a merry race after a homestead on Sand Hollow last week. Haven't heard the results yet.

Mr. Hansen, after a week's visit with B. S. Clark, left for Portland, but before going filed a contest on a piece of land in Sand Hollow.

Mr. Cross gave us two good sermons Sunday last, but there was not half the people out that could come, if they would only get interested enough to start.

#### Castle Rock Items.

R. N. Stanfield spent Saturday night at Castle Rock.

Earl Cramer, of Hardman, is spending a few days with his sister, Mrs. Gibbons.

Mr. Nall, wife and daughter, Frances, of Irrigon, visited at the home of L. M. Davis for a few days last week.

Mr. Camel, of the Telephone company, and Davis of this place are busy these days hauling material for the company.

Mr. and Mrs. Mardi and two small sons came in on the Spokane train Tuesday of this week

on a visit to his mother, Mrs. Weston.

Mrs. Davis and daughter spent a pleasant hour or so in Arlington between trains, Saturday. They met old friends at the depot, which made the trip very pleasant.

J. B. Beebe, the well man, came in on the local, Saturday, and loaded his drill on the flat car and had it shipped to Hermiston where he has been engaged to put down three wells.

#### School Notes.

BY SUPT. NOTSON.

On the 7th inst. I visited the school at Cecil. Mr. Geo. Henry is the teacher. Eighteen pupils were present. The interest manifested by the pupils is excellent. Quite a number of improvements have been made in the building this fall. The walls are newly papered, a new set of shelves for the lunch pails has been installed, new window-boards put in, and a closed water jar with faucet provided. The pupils have individual folding drinking cups. In the evening, I had the pleasure of meeting the people of the district in a local educational meeting. The attendance shows that the school interests in the district is excellent.

There will be only a two days session of the State Teachers Association at Portland. The dates are Dec. 28, 29. The railroads have granted a return fare of one-third to members who take a receipt upon payment of fare to Portland. Every teacher paying the annual dues of 50 cents becomes a member of the Association.

Cameras, kodaks, films, plates, papers and chemicals. Everything for the amateur photographer. Patterson & Son, the REXALL Store.

#### Secure Protection.

The losses to our people from the new diseases in horses, hogs, cattle and sheep, can be better combated by prevention than cure.

Keeping the animals in a healthy condition and keeping the blood pure, will almost, if not entirely, render them immune.

See that the drinking water is not contaminated by drainage, keep feed boxes, mangers, etc. disinfected, and use liberally of Dr. Hess' Stock Food, the best compound ever manufactured for purifying the blood, improving digestion and strengthening the constitution.

This valuable preparation is sold in Morrow County by the Morrow Warehouse Milling Co., and being handled only through regular dealers, costs but little more than half the price of similar compounds sold by peddlers. Regular size bucket only \$2.25. Smaller packages in proportion. As a powerful disinfectant and germicide for use in watering troughs, feed boxes and mangers, Dr. Hess' Dip cannot be excelled.

In these days, when economy should be the household watchword you should use a Crescent Range. They save time, labor, and fuel. Sold at Case's Furniture Store.

At Portland, Saturday, Lincoln High school bested The Dalles High 33 to 0. The E. O. champions put it all over Pendleton, but could not score in the game for the high school championship of the state.

#### Eight Mile.

M. C. Fuqua was seen on our streets last week.

T. W. Rippee went to Heppner Friday returning Saturday.

Mr. Tom Arnold and wife spent Sunday evening with John Jenkins and family.

W. W. Brannon of Hardman is on Eightmile this week looking after things on the farm.

Eightmile was treated to a nice little shower of rain and about an inch of snow last week. Every little bit helps.

Fred Esteb and family of Gooseberry returned from Goldendale Sunday. They have been visiting with Mrs. Esteb's parents.

Omar Stanton of Hardman spent Saturday night with his brother Chas. on Eight Mile. He reports everything flourishing in his section.

Jan. 6th is the date for the next regular meeting of the Farmegon local 62 at the Eight-mile Center school house at 7 p. m. This is the night for election of officers and we hope to see all members present.

E. M. Keithly came out from Heppner Thursday of last week to look after his interests in Rood canyon. He reports Mrs. Keithly and the baby getting along fine and expects to move them home in a couple of weeks.

#### At the Churches.

M. E. CHURCH SOUTH.  
Sunday school at 10 a. m. Epworth League 6.30 p. m. Preaching 11 a. m. and 7.30 p. m. Themes appropriate to the Christmas times.

"There's a song in the air,  
There's a star in the sky;  
There's a mother's deep prayer,  
And baby's low cry.

Christmas program free, Saturday evening at 7.30. A good time is expected. Come.

E. P. Warren, Pastor.

#### BAPTIST CHURCH.

Bible school 10 a. m. Christmas tree Friday 7 p. m. Preaching at Ione Sunday morning and evening, subject "God wants you." Theme for evening "A Christmas message" by Mrs. McAllister. Special music. All welcome.

John McAllister Pastor.

Principal O'Sullivan, of the High School, has presented his resignation to take effect at once. His successor has not been chosen yet but the board has several applications and a selection will be made in time for the new teacher to begin work after the holidays.

#### Santa Claus Coming.

Santa Claus, accompanied by his brigade, will be at the Methodist church Saturday night at 7.30. There will be a tree and a splendid program, consisting of songs, recitations and exercises by the children. Every body will be welcome.

Our friend Joe Devine, who is a "bunch grasser" on a farm a few miles north of the Lexington Creamery, is a booster for the dairy proposition. From his 9 cows—two of which are helpers with first calves, he received an income for the month of November \$117.77—better than \$13 per head. Bully for Joe; he is proving that it pays big to keep milk stock on even a dry farm, and he expects his December check to show up better. Let us have reports from others; this is the proof of the pudding.