STUDY CAPACITY OF RANGE LAND

Government Making Survey of Western Areas to Ascertain Conditions

WASHINGTON (AP)—Definite scientific information on the carrying capacity of range land in eleven western states, first of its nature to be prepared by the federal government, is expected to be ready for cattle and sheep raisers by July 1.

W. A. Lloyd, director of agricultural extension work in the west, has charge of the survey, which will summarize the normal feed resources by areas and will give Washington scientific knowledge on which to base their operations. He expects the data to reveal both understocked and overstocked regions and to enable arrival at a practical animal unit per year for each section.

Investigation already has established the fact that potential carrying capacity varies with regional changes in climate, altitude, moisture and soil. The survey will list resources with respect to their geographic locations rather than by states and for each area will show the average number of acres required by each animal for the entire grazing period.

The abuse or protection which range land has had in the past enters vitally into the survey. In some places it is found necessary to allow 25 acres for each animal carried through the season, while in others 15 or 20 acres suffice. Frequently lack of information on stocking has resulted in heavy losses from underpastured cattle and sheep. Land with a 25 per cent carrying capacity will give 50 acres an abundance of food, but if pastured to 100 sheep will have an adverse effect on each one. The survey carries the scale of coefficients sufficiently high to measure scientifically the requirements of any herd.

Allocation of lands naturally adapted to sheep or cattle is considered of prime importance and may be responsible for turning mediocre cattle lands into profitable sheep ranges, or vice versa. The phase of the survey includes studies of climate, altitude and moisture, of which the latter has tremendous influence. Moisture variations make a difference of as much as a third, either up or down, in the carrying capacity of some areas in a single grazing season.

Stockmen in general are keenly interested in the forthcoming data. Federal field men have covered most of the western territory in connection with the survey and have received wide cooperation. Both sheep and cattle raisers have subjected their stock to inspection with a view to eliminating unproductive types. Sources of cereals have been turned into forests where plans have been initiated to weed out the scrub animals that their place in the herds may be taken by full-blooded herd types.

BEAVERS DROWN BULL

REPUBLIC, Kan. (AP)—Beavers are blamed by George Perkins for the drowning of a valuable 1200-pound bull in the Republican river. Mr. Perkins, owner of the animal, said that the beavers undermined sand on his farm, close to the river bank, which caved in under the animal.

OUT OUR WAY

By Williams

Mercury 21 Below Zero in Portland 40 Years Ago; Columbia River Frozen

Both Western Oregon and Eastern Oregon residents have lamented some during the past two months of the severity of the winter weather—especially some in Portland and thereabouts, according to press reports.

But the winter isn't so bad, comparing it with past years.

An interesting column in Sunday's issue of the Idaho Statesman, of Boise, Ida., which deals with happenings in the Northwest 44 years ago, reveals that in the year 1883 Idaho had the coldest weather ever since, in company with other nearby states.

"At the same time reports from Wisconsin, Iowa, Dakota, Minnesota, Montana, Denver and even Portland, Oregon, show that we are not so badly frozen up as they are," the item says. "The Columbia river is frozen over so that there is no connection between Portland and Astoria. In the states we have mentioned travel on the railroad is suspended and there is no telling when the roads in Montana, Minnesota and Dakota will be open."

Twenty-one degrees below zero was reported in Portland. This was considered very unusual for that locality and by comparisons

Over the Valley News

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city initiated once that class of candidates after the charter had been signed. The new officers did the work, and did very well it is reported. A merry supper was served after the close of the meeting. The regular time of meeting has been changed again, and will hereafter be held the second Monday of the month. At the next meeting there will be another class to receive initiation.

Planning Programs—

Following plans adopted at a recent meeting of members of agricultural committees from all the districts in Union county, H. G. Avery, county agriculturist and chairman of the agricultural committee of the Farmers Grange is meeting with the committees of the individual granges, assisting them in mapping out a program for the year's work in their various organizations which shall provide some definite and practical subjects. At the meeting held recently with T. L. Pollard of Cornelius, it was decided that in each locality there was some phase of work, some problem which needed solution, something a discussion of which would be of vital importance to the subordinate granges. It is an effort to get at that particular thing which those communities with Mr. Avery are making. Already a number of such meetings have been held. Wednesday, Mr. Avery met with the group from the Orchard Plat grange at Lower Elgin. The question which came up there and to do directly with the acreages of fruit land in that locality which are not yet underdrained. Following discussions showed that in that vicinity this year the value of the fruit crop could be exhausting that of unlimited benefit to those who, as those leaders believe, will be of unlimited benefit to those who intend not only to discuss them, but to set the discussion used to definite action.

Indian Population Above 350,000 Mark

WASHINGTON (AP) — If the census still proclaims that the American Indian is vanishing, the bureau of Indian affairs has new evidence to dispel it.

In 1927, the bureau says, the Indian population of the United States increased by about 5,000, bringing it to a total of about 354,140.

Oklahoma holds the states in Indian population, with 119,216 Arizona is second, South Dakota third and New Mexico fourth.

Among the New Mexico Indians there are 982 more men than women and the government is attempting to deal with the problem of wife-stealing, which has arisen.

The man who realizes his own folly acquires just that much more wisdom.

When we grow old gracefully it takes a long time to do it.

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dismounting, went out into the sagebrush and kindled a fire. After he warmed himself he undertook to remount and move on, but his horse refused to budge. All efforts in that direction were entirely fruitless until finally Mr. Griffin gave up and came on afoot. When he returned the next day he found the horse. It had frozen to death".

Mr. Charles M. Ripley

WILL PRESENT HIS REVIEW ON

THE ROMANCE OF POWER

Mr. Ripley traveled 2,500 miles in an airplane. His illustrated story of this trip enables you to travel these airways with him. It's a free ride.

Mr. Ripley takes you swiftly over Europe, stopping here and there for a glance at the people and their customs, then back for a look at your own country.

This entertainment by Mr. Ripley is made possible through the cooperation of the General Electric Company

EVERYONE INVITED

See the fascinating pictures that Mr. Ripley has brought from Europe. Hear from a World Traveler the latest news of aviation and industry. Here is a chance to take an up-to-the-minute travel tour. You are sure to enjoy Mr. Ripley's interesting and humorous story about vital subjects of the day.

No Admission Fee **All Welcome**

ARCADE THEATRE

MONDAY, JANUARY 30

8 P. M.

You may still reserve seats at the offices of Eastern Oregon Light and Power Company. Be sure and call or telephone immediately.

Auspices

Eastern Oregon Light & Power Company

PRIMA DONNA of the Imperial Theater of Japan, Takane Nambu has arrived in this country for her debut with the Philadelphia Grand Opera Company in "Madame Butterfly."

CLOWNING is a profitable business for Frances Lee. Once a vaudeville dancer, she is now starring in Hollywood film comedies.

Lucky Kids!

Get NEW Kind of Cod Liver Oil—It

TASTES GOOD!

Gone is the nauseous flavor and fishy odor of cod liver oil. This *new* kind, Coco Cod, tastes so good that children ask for more! Yet it's full strength, pure cod liver oil—with every vital, life-giving vitamin left in to build surging athletic strength in growing bodies.

Let the youngsters have all they want! Doctors prescribe its daily use. Demand Coco Cod for this is the *only* cod liver oil with *all* four necessary vitamins—"A", "B", "C" and "D".

Coco Cod

The Cod Liver Oil that Tastes Like Chocolate

RED CROSS DRUG STORE

Quality Foods

Kept Clean — Sold Fresh

OUR PROMISE

—given to you in these six words is fulfilled every time you get foods at our stores. We want our customers to expect the best foods and to demand that they be in perfect condition. Use the phone—it is convenient for you to do so—you will get the same satisfactory choice of foods as you would by shopping in person.

Specials for Saturday and Monday

Cake Flour
Airy-Fairy Brand
Makes finer cakes.
Per Pkg.
39c

Syrup
Banquet Brand.
Butterscotch flavor.
10 Lb. Can
85c

P. S. Shrimp
None finer packed
2 Cans
37c

Kadota Figs
In wine and sugar.
A morning appetizer.
2 Cans
75c

Soap
Peet's Granulated
5—9 oz. pkgs. Peet's Granulated Soap for
45c
3 Bars Creme Oil Toilet Soap—Free

Coffee
Preferred Stock
Rich—
Mellow—
Golden—
1 Lb.
50c

P. S. Yellow Cling Peaches
Sliced or Halves
3 Cans
73c

Lux Toilet Soap
For tender skin.
3 Bars for
25c

Flapjack
Pancake Flour
Per Pkg.
27c

Clorox
A household necessity—cleans and bleaches
Per Bottle
19c

Grapefruit
Preferred Stock
2—No. 2 Tins
53c

Preserves
15 oz. jars Kerr's Best Strawberry or Raspberry.
2 Jars for
55c

Vegetables
Pref. Stock Brands.
Tiny Kernel Corn
4—No. 2 Tins
68c
Telephone Peas
4—No. 2 tins
65c

LOOK OVER OUR WANT ADS FOR BARGAINS