

farm forest acts

Grazing and logging, or the more inclusive terms range management and forestry, have long been inseparable twins. This is particularly true in western United States.

In the days of low timber values, ranchers often logged off forest lands to create room for grazing. From this practice probably sprang the idea that any amount of grazing (even large) could do no harm to tree growth. Many agriculturists and even foresters of that period went along with this idea either wholly or partially so that eventually it became the general belief of many persons.

New Concept
Then came a new breed of foresters and conservationists, some of whom are still with us, who took a right-about-face to this viewpoint. They were completely intolerant of any form of grazing and were as outspoken in their belief as the previous group condoning unlimited grazing.

Somehow an even more recent breed of livestock persons and foresters has come into being who believe there is a middle ground. They believe that livestock and forestry enterprises are compatible if wise management is applied to both enterprises. To combine these two successfully, without injury to either, however, depends wholly upon this big "if."

From Oregon's Agricultural Progress comes an article entitled "Sheep Can Increase Douglas-fir Seedling Growth." It is based on an experiment conducted by range scientists, D. W. Hedrick and F. C. Hall, and forester, R. F. Keniston. The area involved was one of the Willamette Valley typical scrub oak areas which had been planted to Douglas-fir seedlings.

Seedlings Taller
Results after six years showed that Douglas-fir seedlings in areas grazed by sheep were 27 per cent taller than in ungrazed areas. In fact, the increased growth was 48 per cent more in the last year of the experiment.

The important key is to use the sheep to remove only excess, palatable forage. Grazing should start only after the leaves of such forage plants are about two-thirds developed. Watch animals carefully and remove them when they fail to gain.

Reasonable sheep gains were made only on clear-cut areas and on areas where about half the oak was thinned, then planted to Douglas-fir. Regrowth of oak sprouts and other weedy shrubs reduced available forage after the third year of grazing. Without sprout treatment, further grazing probably would not pay.

Douglas-fir height growth differences were remarkable. Sheep removed sufficient forage to insure the Douglas-fir of adequate moisture. From soil moisture data it was learned that grasses and other forages used enough water to limit Douglas-fir growth. By eating this forage the sheep diverted more soil moisture for young Douglas-fir growth.

Other Pasture, Too
Although details on sheep management have not been worked out, researchers believe that you should have other good pasture to support the sheep when they are not in the woodland. In fact, sheep grazing was allowed only during the spring growing season. When about half of the forage had been eaten or the sheep failed to maintain their weight, they were removed. Forage must be growing rapidly and ahead of animals or they will browse on Douglas-fir, particularly the new growth.

So, with careful management both grazing and tree growing can be carried on successfully.

Here in Douglas County, we have ranchers who are proving this point further. They have learned that productive pastures and productive woodlands can be maintained side by side. Several years ago when the Dept. of Natural Resources in Washington asked us for help in this connection we showed them these areas — much to their pleasure.

If you as a rancher or forest owner, or both, feel the need of developing each of your resources to the fullest, let us help you do it.

Boy Scouts Open Valley Forge Camp

VALLEY FORGE, Pa. (AP)—About 1,000 Boy Scouts have pitched tents in snow covered Valley Forge Park in their 48th annual encampment commemorating the hardships suffered by the Continental Army in 1777-78.

The boys have no heat in their tents, get drinking water from a tap several hundred yards from the camp area and had only sleeping bags or makeshift bedding for their comfort during the night when temperatures were below freezing.

They were up at 6:30 a.m. Cooks got up half an hour earlier—planned a talent show and physical fitness display for tonight and church services in the field Sunday.

Leaders of the group, all Explorer Scouts from this region, acknowledged that conditions did not quite simulate those under which Gen. Washington's troops suffered. But they said the youngsters learn much from the encampments.

Washington's Birthday Sale

In the days of George Washington 5c went a long, long way. At the Drive-N-Save Market 5c still goes a long, long way.

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Quick relief for acid indigestion, heartburn, gas. **Lowest Price Ever**

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Ocello Household SPONGES Each 5c	Betty Crocker BISCUITS Buttermilk or Homestyle. Limit Please. 8 oz. tube 5c	Scoopys ICE CREAM CONE PACK Pkg. of 8 5c	Jells Best GELATIN DESSERT Pkg. 5c	All Reg. 10c CANDY BARS ea 5c	Pheasant Brand HOT SAUCE 8 oz. Tin 5c	All Reg. 5c GUM PKGS 2 5c
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Armours Sliced Bacon ... lb 59c
Young, Tender Pork Liver ... lb 21c
Smoked Pork Chops 10/89c

OIL CAN Copper Handy size ea. 5c
WOOD SCREWS Handyman Special ea. 5c
PENCILS 14" Long Novelty - Lots of writing in each pencil ea. 5c
SPOON REST Save the surface of your stove ea. 5c
DISH CLOTHS Large size Ea. Only 5c
PORTFOLIO Pee Chee "Wow" Reg. 10c ea. 5c

LOCAL GROWN Rutabagas or Turnips Lb. 5c
Green Onions ... Bun. 5c
U. S. No. 1 New Potatoes ... 2 lbs. 5c

CHALK White or colored. Buy one of each. Reg. 15c, ea. 5c	TUMBLERS Plastic, unbreakable, asst. colors Ea. 5c
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