

FARM-FOREST-FACTS

By Bob Bradley
County Extension Agent

Falling raindrops can mean good news or bad news depending upon the conditions involved. Rainfall during a summer drought or a forest fire is welcomed with open arms. On the other hand, rainfall in sudden abundance can cause a severe damaging flood.

One of the things that helps most to control rainfall, so that the water is more evenly distributed, is our forests.

Here are some points brought out by Herbert C. Storey, Director, Division of Watersheds Research, U.S. Forest Service, in his article "Effects of Forest on Runoff."

Tree Retains
When rainfall first strikes a forested watershed, a significant part of it will be retained by the tree canopy. Part of this water will be evaporated, part will drip from the leaves and twigs, and the rest will run down the stems and trunks to the ground. The amount of moisture thus intercepted and evaporated varies depending upon the density, type and height of the canopy.

For example, a thirty-foot Sitka spruce plantation in England intercepted 38 per cent of the annual precipitation. An eighty-year-old stand of ponderosa pine in the Sierra Nevada, however, intercepted only 12 per cent of the annual precipitation. An 11,900 board foot per acre stand of lodgepole pine intercepted 7.5 inches of precipitation, whereas an adjacent stand cut to 2,000 board feet per acre intercepted only 4 inches of precipitation.

Next to receive the rainfall is the forest floor, composed of fallen leaves and other debris. Not only does it offer a protective covering to the soil but it also helps to retain a certain amount of moisture that might otherwise be evaporated from the underlying soil.

Last to receive the rainfall is the soil itself. When water reaches the soil surface it may either enter the soil (called infiltration) or flow off as surface run-off or overland flow (as in streams). Coarse textured soils or those with fine particles held together in large stable masses have high infiltration rates.

Protects Soil
A complete forest litter effectively protects the underlying soil from raindrop impact and prevents the clogging of large pore spaces by fine particles. This layer also furnished food and protection to insects and animals which permeate the soil and bring about conditions favorable to the entrance of water.

Large pore spaces provide passageways for water. Therefore, anything which increases their abundance and prevents their obstruction is favorable for infiltration. As might well be imagined, infiltration is usually good where the forest floor layer is well developed. It is therefore from the nature of the litter, humus, and surface soil layers that we can best judge the forest's ability to absorb and hold water. As might be expected, with all its complex layers is truly one of nature's greatest reservoirs.

Private Vs. Public Power Feud Certain To Be Revived At Next Session Of Congress

WASHINGTON (AP)—A bill due to be revived in the next Congress is expected to provoke a rousing fight between and among upstream and downstream states and private and public power groups.

The bill, which died late in the recent session of Congress, would coordinate power dam operations throughout the nation.

It aroused such strong opposition, including charges of giveaway and complaints about subsidies, that sponsors permitted it to die in the House Rules Committee.

The legislation would provide for regulation of reservoirs to permit maximum power generation. Private and power dam owners would get payments for release of water under certain circumstances.

One Bill Given First OK
One bill had been approved by the House Interstate and Foreign Commerce Committee, and could have been called up for action in the House in the closing weeks of the session.

Rather than risk defeat in the face of violent and growing opposition, sponsors decided to let the bill die and reintroduce a similar measure early in the next session.

Rep. Lee Metcalf, D-Mont., plans to offer "some kind of legislation on the subject" in the Senate if he wins the November election contest for the office held by Sen. James E. Murray, D-Mont.

Murray, retiring at the end of this year, was the chief sponsor of a Senate bill.

The Senate bill was not pushed pending house committee consideration by Metcalf, Rep. Robert W. Hemphill, D-S. C., and others.

Some public power groups, including rural electric cooperatives and public utility districts, are at odds over the proposal.

Elmo Smith Has \$5,000 Answer To 'Charm' Story

PENDLETON, Ore. (AP)—Elmo Smith, the Republican candidate for U. S. senator, today offered \$5,000 for proof that he ever attended a charm school in Hollywood.

Smith made the comment in a campaign speech here, saying he was nettled by a column that appeared in the Pendleton East-Oregonian.

Publisher J. W. Forrester said he had not used the word charm in the column, but said Smith had attended a school in Hollywood to get a new political personality.

In his speech, Smith, a former Oregon governor and now publisher of a newspaper at Albany, Ore., said he would give Forrester \$5,000 "if he can offer any proof that I ever went to a charm school. If he cannot offer proof of his charge, I'd appreciate a contribution of \$5,000 to my campaign."

Forrester said he had written this in his Sept. 2 column: "In the state of Oregon we are hearing about a new Elmo Smith. It has been reported (and we heard it from a source we consider reliable) that Mr. Smith attended a school in Hollywood where he learned to be a new personality in politics—crewcut, big smile, ready handshake and so forth."

Today Forrester said "I got the information from a mutual friend of Smith's and mine. I'm not going to involve the man by identifying him. I don't have any other comment."

However, Forrester added that his column also compared Smith's record with his campaign promises. Smith's opponent, Maurine Neuberger, has said repeatedly that Smith voted one way in the state Legislature, has taken opposite stands now.

Today and Tomorrow

- Monday, Sept. 19**
- Knights of Pythias, Pythias Hall, 8 p.m.
 - Winston - Dillard Kiwanis Club, 6:30 p.m.
 - Obedience Trials sponsored by Umpqua Kennel Club, Pavilion on Fairgrounds, 7:30 p.m.
 - Junior Duplicate Bridge Club, 7:30 p.m. Mrs. Walter Ulrich, director.
 - Buckeroos, workshop, at the barn, 8 to 10 p.m.
 - Hayloft Squares, square dance lessons, Prescott Barn, D. U. S. Sibly, instructor, 8-10 p.m.
 - Lilac Circle Neighbors of Woodcraft, at the Woman's Club, 7:30 p.m.
 - Elkton American Legion, at the Elkton Grade School, 8 p.m.
 - Yoncalla B.P.W., home of Mrs. Emmitt Church, evening.
 - Beginner's contract bridge lessons, Gold Room of Umpqua Hotel, first in series, 7:30 p.m.
 - Alpha Zeta Theta Rho Girls Club No. 30, IOOF Hall, 7:30 p.m.
 - Winston City Council, City Hall
 - Douglas Camera Club, 880 SE Jackson St., 7:30 p.m.
 - Emblem Club, Elks Club, 8 p.m.
 - Glendale Coordinating Council, City Hall, 7:30 p.m.
 - Douglas County Chapter of the Oregon Pilots Association, courthouse auditorium, 8 p.m.
 - Douglas County Chapter of the Oregon Council of the Blind, home of Ellery Jones, 1:30 p.m.
- Tuesday, Sept. 20**
- Work Basket, Service Club of Woodmen Circle Umpqua Grove St., Evergreen Grange Hall, 7:30 p.m.
 - Intermediate contract bridge lessons, room 312, Umpqua Hotel, first in series, 7:30 p.m.
 - Melrose Grange Booster Night program, 8 p.m., public invited.
 - Tennille Ladies Club, at the club house, 11:30, noon potluck.
 - Olalla Busy Steppers, home of Mrs. Arnold Roberts, 11:30 a.m.
 - Lookingglass Home Extension, home of Judy Scott, committee chairman and project leaders to be selected, 1:30 p.m.
 - Elkton Rebekah Lodge meeting and potluck, at the lodge hall, Winston Police Reserve, City Hall, 7:30 p.m.
 - Elks duplicate bridge group.

Revolver Bullet Fatal To Youth

ASHLAND, Ore. (AP)—A revolver bullet killed Philip M. Riney, 13, Ashland, as he played with two friends in an Ashland home Friday.

Police Chief Herb Hays said the boy was playing with David Weaver and David Brown, both 13, in the Weaver home, intending to go later for registration at school.

Hays said Weaver was holding his father's .38 caliber revolver when it fired.

Riney, struck in the neck, staggered into another room and collapsed. He died at a hospital 20 minutes later.

Pacifist Youths Try To Snafu Nuclear Shot

NEWPORT NEWS, Va. (AP)—A third Polaris-firing nuclear submarine became a unit of the U.S. Navy Friday in ceremonies which youthful pacifists tried vainly to disrupt.

The Coast Guard hauled away six would-be demonstrators who approached by boat while the USS Robert E. Lee was being commissioned at the Newport News shipyard.

The demonstrators were members of the self-styled Committee for Non-Violent Action.

Only a period of outfitting and a shakedown cruise now remain before the Robert E. Lee joins her sister submarines, the George Washington and the Patrick Henry, on active duty.

The multimillion-dollar sub, launched eight months ago, will be equipped with 16 Polaris missiles. She has a submerged displacement of about 6,700 tons. Her commanding officer is Cmdr. Reuben F. Woodall.

- CALENDAR OF EVENTS**
- Elks Temple, 7:30 p.m.
 - Roseburg Kiwanis Club, Umpqua Hotel Civic room, noon.
 - Gilde Kiwanis Club, 7:30 p.m.
 - Associated Volunteers card party, VA Hospital recreation building music room, 7:30 to 9:30 p.m.
 - Army Reserve, 1814 W. Harvard, 8 to 10 p.m.
 - Boots and Calico, square dance lessons, Winston community Hall, 8 p.m.
 - Sutherland Girls Drill team practice, East Grade School playground, new members welcome, for information write Box 262, Rt. 1, Sutherland, 5 p.m.
 - Job's Daughters, Bethel 8, Masonic Hall, 7:30 p.m.
 - Pre-Natal classes, Mercy Hospital, 7:30 p.m.
 - South Umpqua Archers shoot, Riddle warehouse, 7 p.m.
 - Garden department meeting of Roseburg Woman's Club, clubhouse, 10 a.m.
 - Roseburg Art Association.
 - Rainbow Garden Club fieldtrip.
 - Missionary Society of the Methodist Community Church, business meeting, 10 a.m.
 - Oregon League of Seniors, Canyonville IOOF Hall, 2 p.m.

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FREE With Elec. Blanket 10 pounds of SUGAR!

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SUNDAYS 10 to 8

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MORE FOOD VALUES! CASH SAVINGS!

Plus S & H GREEN STAMPS at MARK'S!

PEANUT BUTTER	Sunny Jim, Creamy, 18-oz. Jar	49¢
Sliced Pineapple	Summer Isle, half slices, No. 1 1/4 Tins	6 ^F 1 ⁰⁰ 0 ^R
FLAPJACK MIX	And Waffle Mix, Alber's, 10-lb. Bag	89¢
OCCIDENT FLOUR	Milled from premium hard wheat, 25-lb. Bag	1.69
Minute Potatoes	Sliced, 8-oz. Pkg. or Mashed, 7 1/8-oz. Pkg. Your Choice	29¢
Evaporated Milk	Nestle's, Tall Tins	6 ^F 69¢ 0 ^R
Chocolate Chips	Baker's, 12-oz. Pkg.	3 ^F 1 ⁰⁰ 0 ^R
CARAMEL CHIPS	Baker's, 6-oz. Pkg.	2 ^F 33¢ 0 ^R
NESTLE'S QUIK	New Strawberry Flavor! 1-lb. pkg.	37¢
Bacon Soures	Nebergall's, 3 lb. bag	23¢
SWEET POTATOES	U. S. No. 1 Medium Size	29¢
CHUNK TUNA	Carnation, Family Size Tins	3 ^F 1 ⁰⁰ 0 ^R
CAKE MIX	Pillsbury Angel Food, White, Pineapple-Lemon or Orange Angel. Your Choice, Pkg.	39¢
MINUTE RICE	13 7/8-oz. Pkg.	37¢
Butternut COFFEE	Reg. or Drip, 2-lb. Tin	97¢
INSTANT COFFEE	Butternut, 10-oz. Jar	1.09
AERO-WAX	No-rubbing floor wax, 32-oz. tin	49¢

If We Don't Have It, Ask Us!
If It Isn't Right, Bring It Back!

Mark's Shopping Center

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