

The Gazette-News

A Consolidation of The Kendrick Gazette and The Genesee News

Published every Wednesday (dated Thursday) and entered as second class matter at the Post Office in Kendrick, Idaho 83537 and Genesee, Idaho 83832, Latah County, under Act of Congress of March, 1879. The Official Newspaper of Genesee, Kendrick and Juliaetta, Idaho

Jane L. Roth and William A. Roth, Publishers
 William A. Roth, Editor
 Mrs. James Cuddy, News Editor
 Genesee—Telephone 285-1513 Kendrick—Telephone 289-5731
 Subscription Rates: \$4.00 per year In State — \$4.50 Out of State
 Advertising Rates Given Upon Application

Kokanee Fish Salvage Permitted Below Dworshak

Kokanee have been escaping from Dworshak Reservoir due to the depth that water is being taken at the dam for power production and to meet the temperature regime required at Dworshak National Fish Hatchery.

These fish are either killed or stunned after passing through the turbines and are lost from the fishery. In order to utilize as many of these fish as possible, the Department of Fish and Game will allow the salvage of these kokanee in the North Fork Clearwater from 300 ft. below the dam downstream.

The bag and possession limit has been removed. However, the method of taking is restricted to use of hands or small dipnet. Caution must be stressed in which fish to salvage, as some may have been dead for an

PKA's Initiate New Pledges

Moscow—The UI Chapter of Pi Kappa Alpha social fraternity has initiated 11 new members who pledged the organization after the close of formal rush in the fall.

The new members include Lee Deobald, freshman biology major and son of Mr. and Mrs. John Deobald, of Kendrick.

extended period of time and have become unfit for human consumption.

The Department also states that the numbers of kokanee leaving the reservoir vary considerably; therefore, trips by anglers specifically to salvage these fish may not be worthwhile.

Notice will be given over various medias when the salvage operation will be terminated.

WHAT HAPPENED WAY BACK WHEN

Genesee News 50 Years Ago

Friday, Feb. 10, Mrs. W. W. Burr was pleasantly surprised by several friends, Friday, being her birthday anniversary.

On Sun. eve., Feb. 12 a pleasant surprise was given at the home of Wm. Heinrich in honor of his birthday.

The Genesee boys and girls won a double-header from the Kendrick BB team last week.

John Hordeman has filed application before the probate court to be made executor of the will of Mrs. Theresa Kambitsch, deceased. The property involved is said to be valued at \$12,000.

While coming home from the lumber yard Monday with a load of lumber, Herman Broemmeling slipped and fell from the top of the load and was quite severely bruised and shaken up. No bones were broken.

Those interested in hiking meet at the home of Miss Esther Martinson Saturday as a club was organized Tuesday, a few members took a long hike and came back tired but happy.

Miss Adalene Bressler underwent an operation for appendicitis at Sacred Heart hospital in Spokane Wed.

Members of the Linger Longer club spent a very enjoyable afternoon at the home of Mrs. Milton Rader on Wed. The next meeting of the club will be with Mrs. Jas Margee Feb. 29th.

Pine Grove—Roy Sweet and family motored to Clarkston last Sunday where Clyde remained for medical treatment.—Mrs. E. Sams came up from Juliaetta for a few days visit—she says it is warm—just like spring—down there.—The Sewing Club met last Thurs. with Mrs. Blaine Sams.

Relatives and friends of Mrs. Mary Cunningham gathered at her home Wed., Feb. 8 to help her celebrate her 88th birthday.

Mr. and Mrs. Joe Broemmeling are the proud parents of a baby girl born Wed., Feb. 8. Mother and babe are reported as doing nicely.

Kendrick Gazette Feb. 17, 1938

Mrs. R. E. Woody entertained at a birthday dinner in honor of Mr. Woody's birthday anniversary. Guests were Mr. and Mrs. John Glenn, Mr. and Mrs. Edgar Carlson and Barbara, Mr. and Mrs. Fred Glenn and Mary Ann, Harold Glenn and Lester Slead.

New bleachers were installed in the Kendrick gymnasium this week, eliminating the need for a part of the crowd to stand. Oscar Hartung, Geo. Leith and Louis Lunders have been doing the work, assisted by some of the Ag boys.

N. B. Long & Son advertised the following items: new spring prints, our best quality, now 19c per yard; oil cloth, 54-in. per yard, 35c; S. & W. mellowed coffee, 1 lb. tin, 33c. February 19, 1948

A deal has been agreed upon whereby Frank Abrams will become owner of the hardware and electrical dept. of the Kendrick Bean Growers, taking charge Mar. 1. It will be known as Abrams Hardware. A complete statement of the lines to be handled by the new, two businesses will appear in next week's issue.

Tues. eve. in the U/I gym, in competition with other schools, children 14 years and under, Max Clemenhagen from Kendrick won the foul shooting contest, dropping in 14 out of 20.

HS news—The Kendrick & Lapwai bands will again join forces in the tournament game Thurs. eve. Our majorettes will be presenting their twirling act. The girls are Nina Lohman, Violet Brown, Betty Caldwell, Glynnis Thornton and Evelyn Kazda. Betty Caldwell from a Los Angeles school, a freshman, enrolled in HS a week ago.

Danny Crocker made the highest score for the year in typing, with 82 words per minute, gross.

Youth—A State of Mind

Youth is not a time of life... it is a state of mind. It is not a matter of ripe cheeks, red lips and supple knees; it is a temper of the will, a quality of the imagination, a vigor of the emotions; it is a freshness of the deep springs of life.

Nobody grows old by merely living a number of years; people grow old only by deserting their ideals. Years wrinkle the skin, but to give up enthusiasm wrinkles the soul. Worry, doubt, self-distrust, fear and despair—those are the long, long years that bow the head and turn the growing spirit back to dust.

Whether eight or eighty, there is

Rep. Braun Seeks Citizen Opinion On Vital Issues

CARL BRAUN, Idaho State Representative

This legislative work reminds me somewhat of our old stationary threshing machines—a lot of preliminary work had to be done before the straw come from the blower and onto the stack. So it is with our work in the various committees to the legislature. Bills need to be discussed, passed or rejected before reaching the floor debate. We are now beginning to see the result of our sifting and sorting in committees. While this gains momentum—let us talk about electrical energy this week.

If our interim studies on energy this past year told us anything, it was that in 1982 we will be reaching a point in the supply of electrical energy that is static; there will be no surplus. New home, industry, et cetera, will be consuming all we can generate with the facilities we now have. Additional generating plants are not being built in Idaho. We are importing vast amounts of power. People don't want additional coal or nuclear or hydro plants. But we do have a few alternatives left while we ponder our dilemma.

I think we must all agree we Americans are a wasteful people in many respects, but resourceful, too. But while we are in "limbo," so to speak, concerning new generating facilities, we need, or must, conserve what energy we have. The first and number one priority is: conservation. Secondly, we must get moving in the installation of generators in present existing dams where ever this is feasible, such as in Dworshak and Grand Coulee. Thirdly, European countries have what we call low-head dams. These vary in height from twelve to forty feet depending on water available. Streams such as Orofino and Potlatch Creeks could be made usable for low-head dams. There is a special submersible generator used for this purpose. It can be likened to the drilled well pumps (only generators) we now use.

Nuclear waste is a problem. The thinking now is that it will be buried in the earth 2000 feet or more in some special formation, such as salt, for future use should thoughts of the "Breeder Plant" be revived. President Carter stopped all activity on this, but several are being built in other countries. As the name implies, the "Breed Plant" makes much of its own fuel.

The coal-fired plant will consume about 75 cars of coal per day. It also has waste (ashes and smoke). This leaves us, then, with hydro, the cleanest and cheapest power known. Idaho is blessed with hydro sites. Other states envy us and are giving us the message that we are now getting about all we are going to get in out-of-date energy.

We have until 1982. Unless we do something positive and constructive we face inevitable brown-outs, mandatory regulations, et cetera. We have the sites and the water. I have my thoughts. What are your ideas? I welcome all your suggestions and possible solutions.

Carl P. Braun, State Representative

in every being's heart the love of wonder; the sweet amazement at the stars and the star-like things and thoughts; the undaunted challenge of events; the unflinching, childlike appetite for what next; and the joy and game of life.

You are as young as your faith, as old as your doubt; as young as your self-confidence, as old as your fear; as young as your hope, as old as your despair. In the central place of your heart there is a fireless station; so long as it receives messages of beauty, hope, cheer, courage, grandeur and power from earth, from men, and from the Infinite... so long are you young.—Warps, 1963.



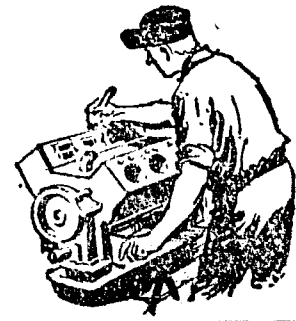
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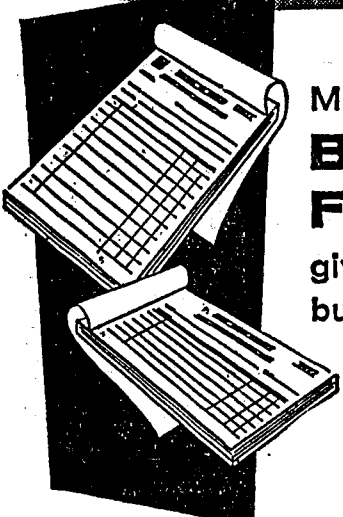
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Family Affair—

Anxiety and Fear . . .

Anxiety and fear are symptoms that part of life must change. Sue's head is aching. She feels jittery. She can't sleep or even relax. When the alarm goes off in the morning, she's too tired to get up. Hours later, when she drags herself out of bed, she's too tired and bored to do anything.

Sue is looking for a job. If she doesn't find one soon, she'll be broke. But writing letters, calling prospective employers and setting up job interviews are a lot of work. She's too tired to bother with all that. What's happening here?

Sue is showing signs of anxiety and depression. Anxiety, guilt and depression are early warning signals.

They warn that Sue must change something. The first thing she needs to change is herself. Sue needs to grow enough to tackle her job situation. Right now, she's denying the situation. Job-hunting is too painful so she doesn't face up to it.

What can Sue do? There are several steps she can take:

First, she might withdraw for a while. Waiting a bit may give her a fresh look at the situation.

Perhaps she is not happy with the kind of job she had before. Maybe some training could help her get a more satisfying job. But, before she takes any training, Sue should look at her goals. She needs to figure out what she wants most in life before making changes. By not doing anything about the problem for a short time she may be able to see what's important for her.

Another step might be to look for

help. Sue could talk to people with the same kind of training and experience she has. What are they doing? Do they like it?

She could also talk to a job counselor. This person might be at the vocational school or college, or Sue might ask a social worker who is best to talk to in a community.

If Sue talked to others looking for a job, this might help. Together, they could share common problems, and look for ways to end them.

Sue is facing a time for growth. With her anxious feelings, and doing nothing about getting a job, she's been defending herself against rejection—against feeling unimportant and worthless because employers might not want her.

No one wants to feel that way, so it's frightening to let go of these defenses and face the problem. But, that's the way to grow.

Whether your problem is with your family friends, job or whatever, the answer is the same. When you feel bored, anxious, guilty-conscious, afraid, it's time to look at yourself. See if you can discover what's bothering you.

After taking time to look at yourself, accept what you are—strong points as well as weak ones. Perhaps then you could face your fears. Look at reality—the way the world is—and take the risk. Drop those defenses and live in a more honest way. It not only helps solve the problem at hand you'll also become more likeable, easier to live with and more able to solve your problems in the future.

Don't let cabin fever get you down. There are a lot of game and nongame animals open for hunting and trapping, making it a good time to sharpen your outdoor skills.

New Arrivals . . .

Hoover

Mr. and Mrs. Gary Hoover of Sacramento, California are happy to announce the birth of their second child, a son born January 30 th, 6 lbs., 5 oz., 19" has been named Gary Joe. Mr. and Mrs. Hoover have a daughter, Becky Jean.

Mrs. Hoover is the former Carolyn Foreman and attended Juliaetta Elementary School and Kendrick High School. She is the daughter of Mr. and Mrs. Larry J. Foreman, former residents of Kendrick and Juliaetta.

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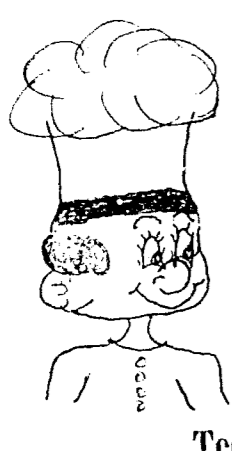
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Juliaetta School News—

Our school was thrilled by the response of the childrens' families to the invitation for dinner on Valentine's day. There were 85 guests who came to visit. The students were excited to have a special guest eat with them. We all really enjoyed you here.

Remember on Monday, February 20 there is no school. This is the day set aside to honor the birthdays of Presidents Washington and Lincoln.

On Thursday, Feb. 16, the sales representative will be here to begin our annual magazine sale. We're looking forward to your support of this important event. Each year the 5th and 6th grades sell magazine subscriptions in order to raise money for playground equipment and other things to benefit the students which we could not otherwise afford.

If anyone has gotten an offer in the mail that they would like to use, we will be glad to honor it. The sale will run from February 16 to Mar. 1. The Supplemental Reading-Resource Room now has a great-looking and very useful new bookcase, constructed for us by Mr. Morton. Thanks a lot.

Labels For Education
We have 2,850 labels. We still have a long way to go to reach the 7,000 mark. Brent and Brian Hutchison brought in quite a few this week. So did Jeremy Fey. We really appreciate all the help that everyone is giving to this project. We still have lots of time to get those labels in so that we can get the Dukane filmstrip/slide projector. Remember the deadline is March 11. Library News

A belated thank you to Edie Long-fellow for donating some National Geographic magazines to our school library. Jan Nail has been cleaning house and donated a couple of boxes of National Geographics and some craft books which we can really put to use. Thank you, Jan!

Fourth Grade News
Today we had a spelling bee and Angie Abrams won it. We also had a multiplication bee and Karan won that. Today, we invited one of our parents to come to lunch. Today we are going to have a Valentine party. We made some snacks for our Valentine cards, and Carol Slovick and Mr. Mackinnon are going to judge them. — Reporters, Jennifer Parsley and Rocky Smith.

Donut League BB
Once again Saturday's Donut league action provided lot of excitement as two of the 3 games played ended with tie scores.

The 1st game also started out to close as the score was 7-5 at the half but Team II pulled away and defeated Team I by a 11-8 score. Scoring: Team I, Larry Snyder 4, John Bryan 2, Richard Williams 1, Doug LaMunyan 1.

Team II: Tony Henson 4, Casey Abridge 4, Bill LaMunyan 3, Robert Jones 2, Brent Hutchison 2.

The second game turned out to be a thriller as Team III and Team IV

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SALAMI, Morrell Pride, sliced 1 lb. \$1.09

Rice-A-Roni, Golden Grain, Assorted, 2 pkgs 88c
Tea Bags, Lipton Black, 48 count box \$1.29
Dill Pickles Nalley's Banquet, 22 oz. 69c
Crescent Rolls, Pillsbury Dinner, 8 oz. tube 49c
Cheez Whiz, Kraft, 8 oz. 89c
Cherry Pie, Vern's Frozen, 26 oz. box \$1.49
Reynolds Foil, standard 12" width, 25 ft. roll 2 rolls 87c
Kraft Italian Dressing, 8 oz. bottle 59c
1,000 Island Dressing, Kraft, 16 oz. bottle 87c
Tomato Paste, Hunt's 12 oz. tin 59c
Ravioli, Chef Boy-Ar-Dee Mini, 15 oz. tin 49c
V-8 Juice, 6 oz. tins, 66 pak 99c
Hawaiian Punch, Red, 46 oz. tin 69c
Grape Juice, Western Family Frozen, 12 oz. 59c
Jeno's Pizza, Pepperoni, frozen, 13 1/2 oz. 99c
Jeno's Sausage Pizza, frozen, 13 1/2 oz. 99c
Jeno's Pizza, Canadian Bacon, Frozen, 13 oz. \$1.09
Sugar Crisp Post Cereal, 18 oz. box \$1.09
Honeycomb Post Cereal, 12 oz. box 89c
Cocoa Puffs, 12 oz. box 99c

ORANGES, 5 lb. bag \$1.00

CRISP GREEN CELERY, lb. 23c
RUSSET POTATOES, U. S. No. 2's, 20 lb. \$1.19
YELLOW ONIONS, Mild, Medium, lb. 10c
CLIP-TOP CARROTS, Crisp, lb. 23c
Pepto Bismol, Antacid, Liquid, 12 oz. \$2.29
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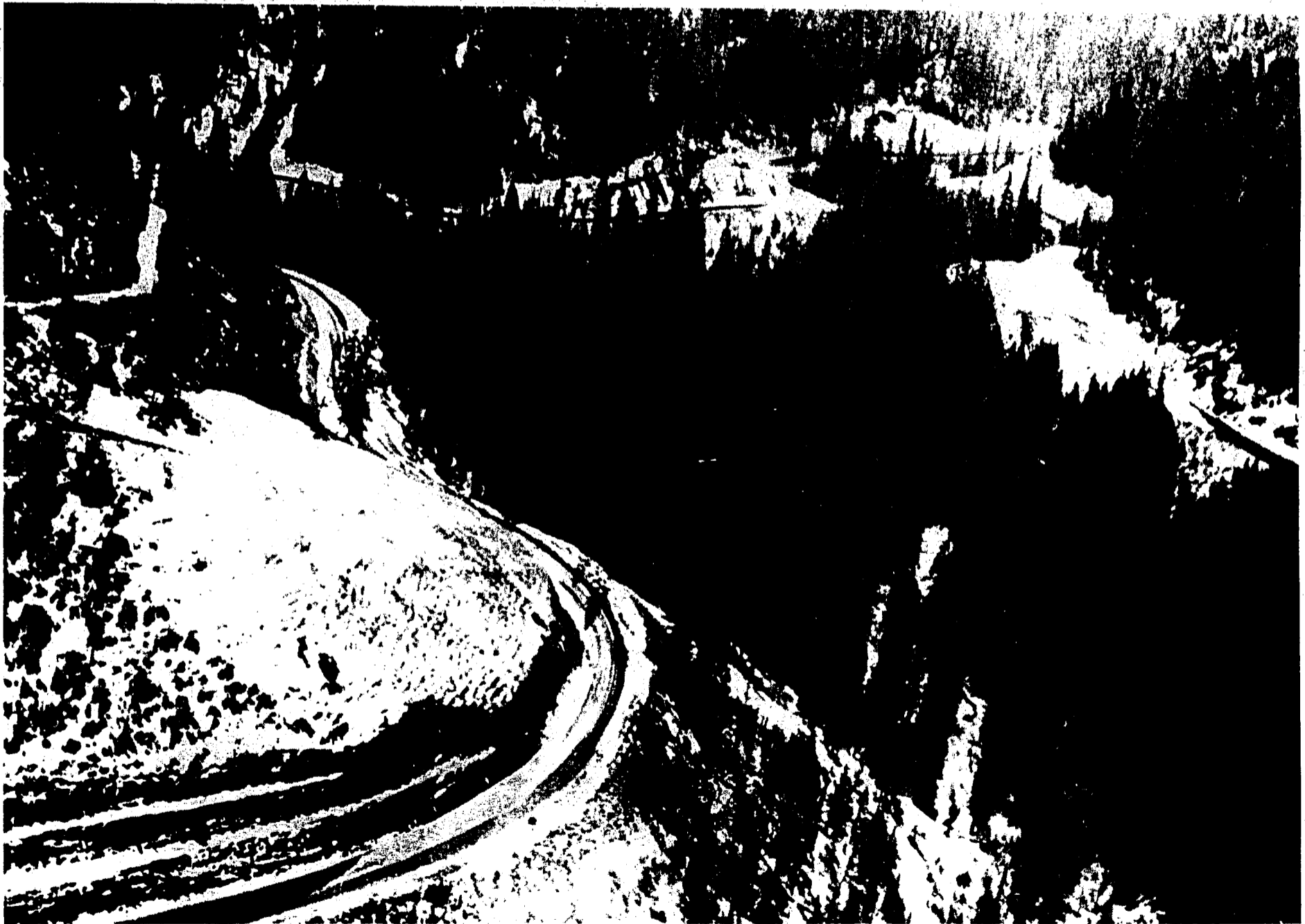
SUPPLEMENT TO:

Cottonwood Chronicle
Lewis County Herald
The Gazette-News

This edition of The Farm and Ranch Chronicle is dedicated to those who make their living in some facet of the forest industry.

With stories and pictures, we have tried to give insight to this important crop in Northcentral Idaho which provides jobs, a raw material and recreational opportunities.

We wish to thank all who donated time, effort and photos for this issue. Special thanks to Potlatch Forests, Inc. and Wickes Forest Industries for their invaluable assistance.



Timber has been a major resource in this area since the passing of the gold rush days which first attracted settlers to Northcentral Idaho. This is a typical scene showing a section of road on the Mud Creek timber sale site. Potlatch Forests, Inc., reconstructed the road at a cost of \$300,000.

Speed urged on roadless study

A resolution has been introduced by Sen. Frank Church, D-Idaho, with Sen. James McClure, R-Idaho, as a cosponsor, urging the Forest Service to complete its reviews of roadless areas as soon as possible.

Nine other Senators joined in cosponsoring the resolution.

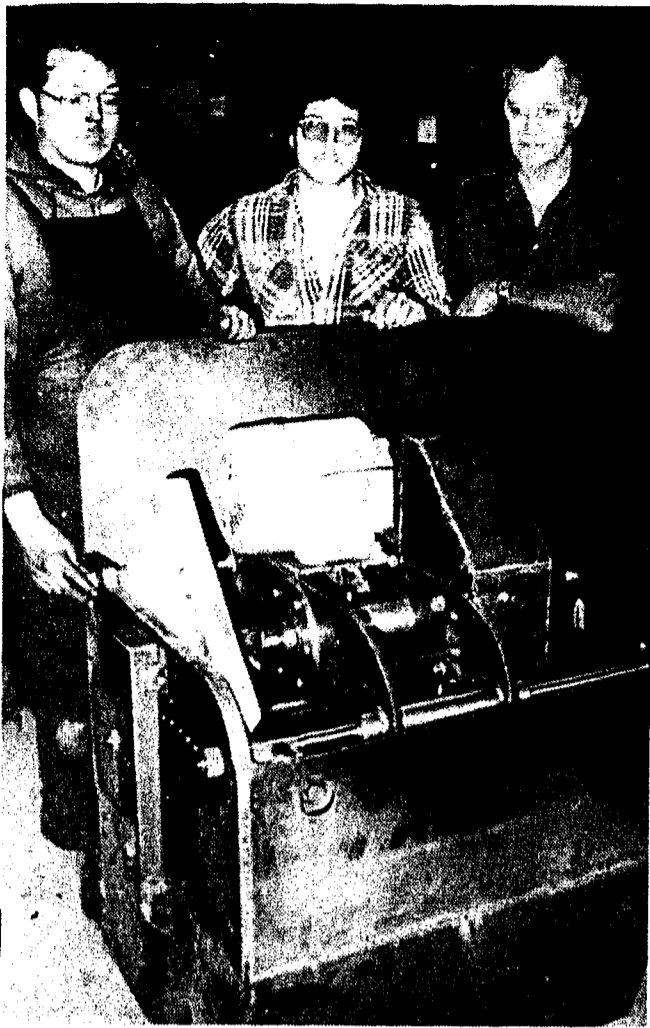
The roadless area review (known as RARE II) has been underway for several months, and is a prelude to final recommendations on permanent management plans for the areas involved.

Church said that unless the process is expedited, it could lead to large cutbacks in timber sales, adversely affecting Idaho and other Western states.

McClure said, "the very economic survival of many of our Idaho communities demands that prompt decisions be made for the use of our natural resources.

"And because decisions have not been made promptly in the past, we have seen communities such as Grangeville and McCall suffer as local industry was forced to close or is threatened.

"For this reason, the RARE II process must be completed at the earliest possible time. This resolution will transmit our concerns to the Administration," McClure concluded.



Posing with a special machine fabricated by Jack Wimer, left, owner of Precision Machine Works of Cottonwood, were the buyer, Jack Browning, right, owner of Browning Cut Stock Co., Juliaetta, and his grandson, Rick Steigers.

Special machine built

A machine, custom built in Cottonwood by Jack Wimer, owner of Precision Machine Works, is on the production line at Browning Cut Stock Co., Juliaetta.

A rig designed to drill holes in flake board which is used as core material to support large paper rolls, the machine is expected to double production and "could quadruple it," Jack Browning, owner of the Juliaetta firm, said.

Browning had high praise

for the machine and Wimer's work, stating, "this is about as nice a job of fabrication as I've seen. I'm damn well satisfied."

Browning said his firm processes a semi-trailer rig full of flake board daily. Prior to obtaining the machine they were producing 2,000 cores a day. He expects this to go to at least 4,000 daily with the Juliaetta area. The firm addition.

GRAZING FEES INCREASE OPPOSED

Any increase in grazing fees on federal public land is opposed by Gov. John Evans.

"Agricultural economic conditions must improve before public land grazing users can afford the type of increases proposed by the secretaries of Agriculture and Interior," Evans said.

"Western ranchers are foundering under the effects of recent drought and until it is apparent that the drought has come to an end, the fees should not be increased."

29 Bighorns transplanted

Bighorn sheep from Wyoming and Idaho were recently transplanted into two different areas in eastern Idaho.

The Department of Fish and Game, in cooperation with the Wyoming Game and Fish Department, the U.S. Forest Service and the Bureau of Land Management, trapped and

transplanted a total of 29 bighorn sheep.

Twelve sheep were trapped in Panther Creek, a tributary to the Salmon River, and released in the Birch Creek drainage near Blue Dome. Of the 12 sheep, eight were adult ewes, two were yearling rams and two were female lambs.

Radio collars were placed on two of the females to monitor their travels.

The sheep join a group of previously transplanted sheep released there two years ago. The sheep in the original transplant have been reproducing and seem to have adapted well to the area.

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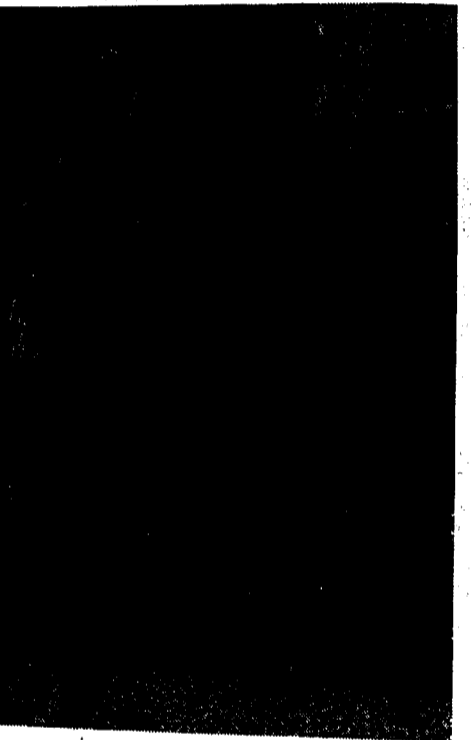
Jack Wimer

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Managed logging practices pay

By Susan Tiede

Dale Jarnagin's 14 acre woodlot is a timber management project done in 1976 to create interest in forest management rather than just harvesting a forest.

Jarnagin said Bud Herr, forester for Channel Lumber Company at Craigmont, asked why didn't they thin the woodlot as it was a location where it would be noticed from the highway.

Prior to that, they hadn't planned to log the timber which had grown since it was originally logged in the early 1900s when Jarnagin's father, Martin, first came to the country and the mill at Winchester started.

Jarnagin and son-in-law,

Don Davis, farm most of the

land. Following the original timber harvest, Jarnagins proceeded to clear the land for farming.

Small pine grew back on some before they were able to farm it and gave rise to an interesting family story.

Jarnagins had cleared some of the small trees and were burning them one day which brought one neighbor running.

He just stood and stared into the burning brush pile.

When asked why, the neighbor lamented he had a jug buried out there and it was hard to come by in prohibition days.

Jarnagin's 1976 thinning

project was to promote the growth of the remaining trees.

Selection of those to be harvested was done on growth potential rather than mill size, Jarnagin said.

Ordinary harvests are about opposite—taking the best saw logs and leaving less desirable ones.

"There are more trees left than the nearly 80,000 feet taken out which was approximately one-third of the trees.

Remaining trees range in size from medium to good sized, but all are sawable," he said.

Herr marked the trees to be taken out and Don Mc-

Manaman of the Idaho Department of Land's Orofino office approved it before Tom Armstrong of Reubens started cutting.

The thinning operation was about as fast as a regular logging operation Jarnagin said.

The loggers did a careful job and didn't nick or damage the trees to be left.

Only two or three of the trees left have succumbed to porcupines and insects.

If they were in doubt about which way a tree would fall, they would winch it over to prevent damaging the "save" trees, Davis said.

The loggers used a rubber-

(Continued on page 4)

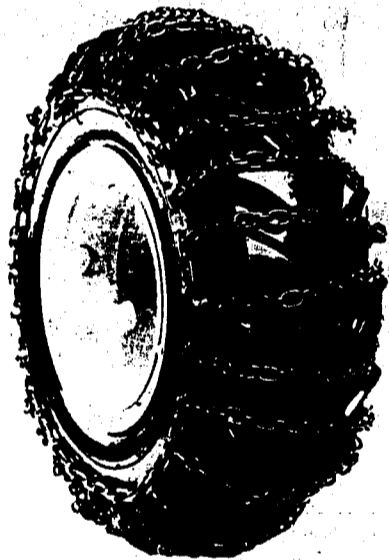


Dale Jarnagin, left, and Don Davis checked a tree on their woodlot where a timber management program was conducted in 1976.

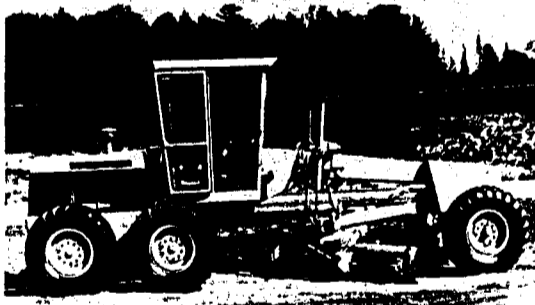
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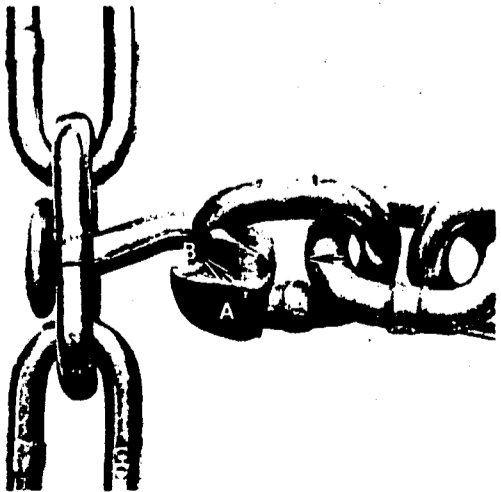
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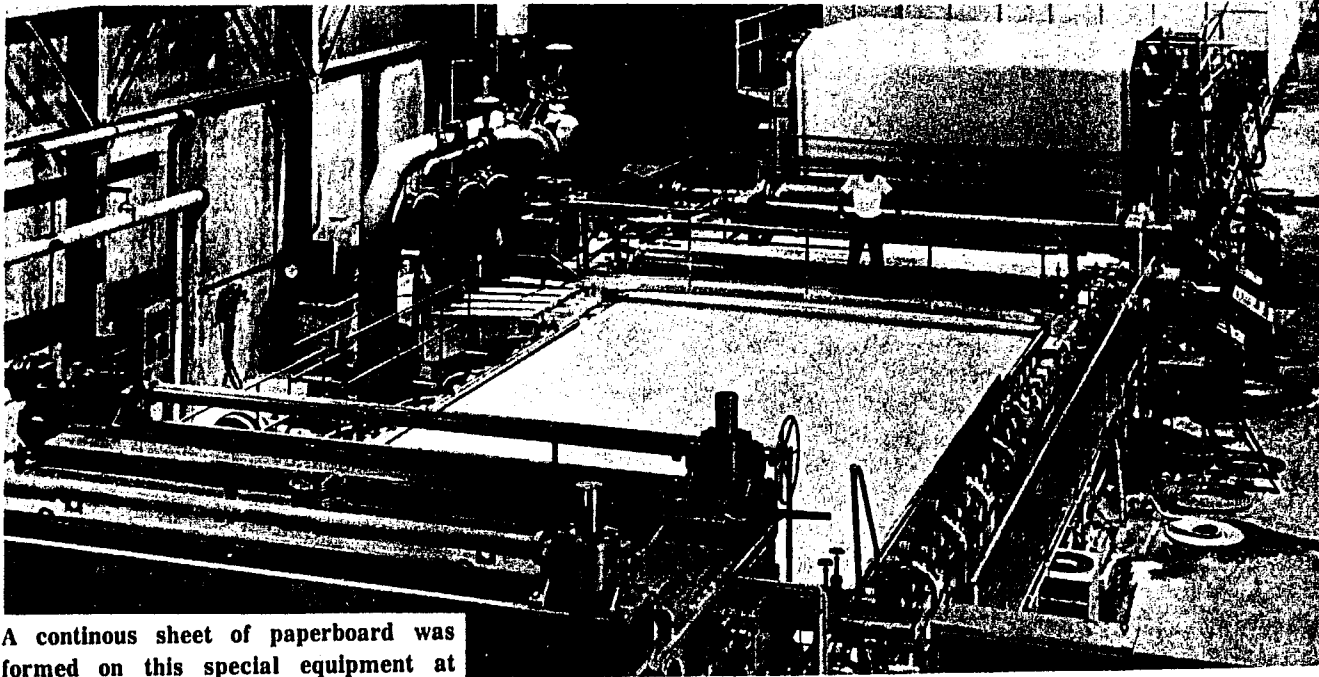
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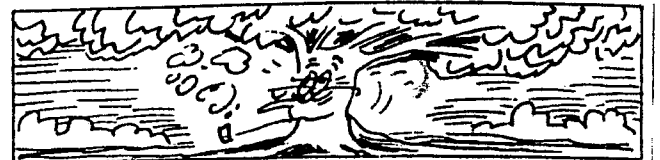


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Olive trees sometimes live more than one thousand years.

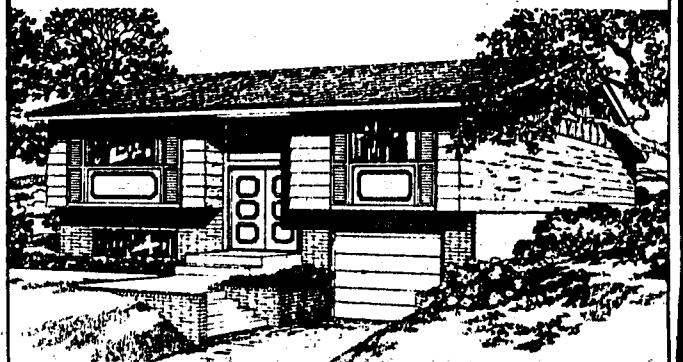
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Managed logging pays

(Continued from page 3)

tired skidder which didn't tear up the ground.

The only place where they did make tracks was a wet spot and two years later only dim marks remain of the logging roads.

The soil was disturbed just enough to give a good start to grass which was seeded by plane.

The thinning also improved the pasture potential of the area considerably, Jarnagin said.

After the grass stand was established, the pasture was rented out.

Davis did most of the slash

work with a dozer over about a week's time.

He and some friends did the hand piling before the slash was burned for the withholding fees.

The woodlot now looks more like a park than a two-year old logging site.

Logging is an off-season project for Jarnagin and Davis, but this year ground conditions have been too soft for them as well as other loggers.

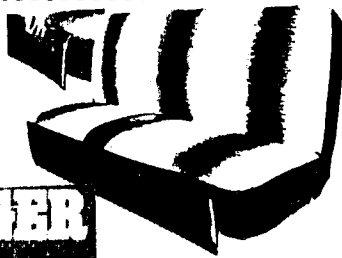
They have a two-man sawmill which they use for sawing lumber for area residents and making posts.

Logs for the lumber is cut in one of their woodlots.

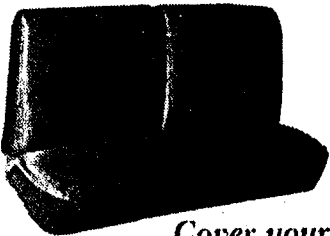
Jarnagin said he plans to continue the forest management program although he and wife, Letha, may not see the benefits in their time, but grandson, Ryan, might.

Ryan is a pre-schooler and lives next door to his grandparents with Jarnagin's only child, Lana, and her husband, Don Davis.

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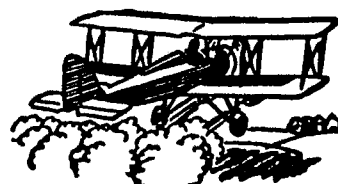
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Bark beetle causes extensive damage

Pockets of dead or dying ponderosa pine have been showing up throughout north central Idaho this fall.

Foresters with the Idaho Department of Lands and the U.S. Forest Service have examined a number of these areas and determined that the infestations of a small bark beetle known as the pine engraver beetle (*Ips pini*) are the cause, according to John Lillehaug, Idaho Department of Lands

woodland forester at Craigmont, acting as spokesman for the foresters.

Areas along the Clearwater River between Lewiston and Orofino, with the Lenore area being the hardest hit, are affected.

When the beetle population is low, they are confined to areas of untreated logging slash where they lay their eggs for spring hatching.

When new adults emerge in late June or July, they seek out additional untreated

slash to continue their life cycle, Lillehaug said.

Following a dry winter and spring, the abnormally dry summer had the right conditions for the beetle population to build up to a point where they spread from the slash to healthy trees.

Foresters recommend disposing of slash by piling and burning as soon as possible after logging and especially before spring.

Destroying the beetles' breeding grounds helps to avoid excessive ponderosa pine kills.

Landowners are encouraged to salvage their dead or dying trees to help slow the spread of the bark beetle.

The beetle causes a blue stain in the lumber which downgrades the quality and price, but it is more profitable than letting them stand, according to Lillehaug.

Anyone suspecting beetle problems in their pine stands

should contact their local forester for information or advice.

Idaho Department of Lands has foresters in

Orofino, Troy and Craigmont. There is also a U.S. Forest Service insect and disease forester stationed in Orofino.



This sea of logs was harvested for Potlatch Forest, Inc. in the Clark Fork area.

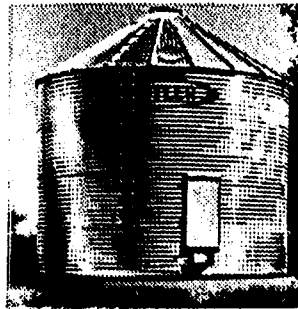
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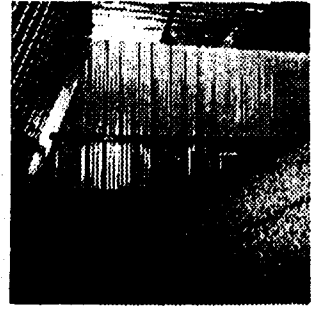
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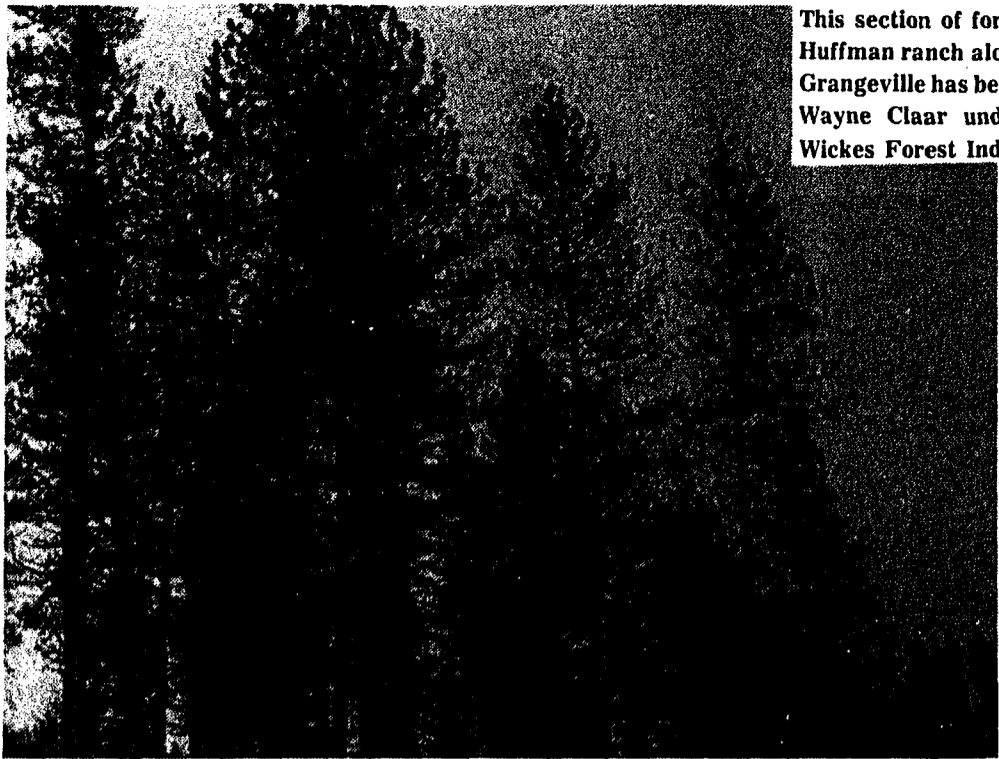


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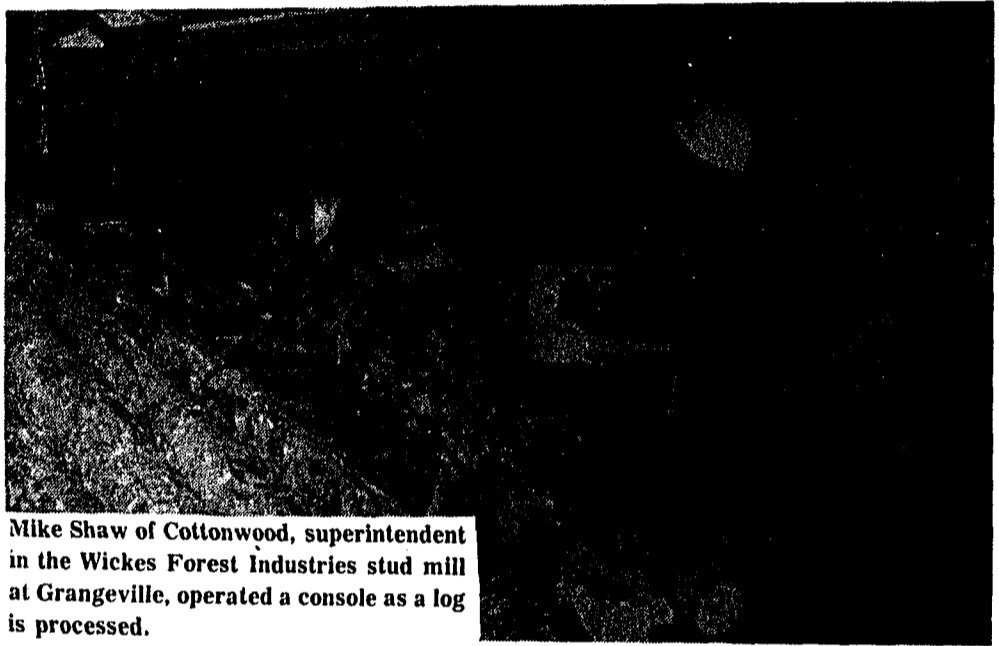
tree farmers.

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This section of forest land on the Wayne Huffman ranch along Highway 95 south of Grangeville has been selectively logged by Wayne Claar under the supervision of Wickes Forest Industries.



Mike Shaw of Cottonwood, superintendent in the Wickes Forest Industries stud mill at Grangeville, operated a console as a log is processed.



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Forest management increasingly complex



The business of forest management has become increasingly complex in recent years.

The role of the Potlatch Forestry Research Department is to supply data which are used as the basis for management decisions.

Roger Blair, director - forestry research, explains the functions of the research section - of the forestry department thus:

"The research we conduct is termed calibration research as opposed to the pioneering research conducted by federal agencies and universities.

"Calibration research utilizes the results of pioneering research; for example, forest fertilization causes trees to grow faster.

"We then 'calibrate' this to North Idaho conditions by establishing the amount of fertilizer to apply, the time of year during which its application is most effective, and the proportion of each nutrient that is needed.

"By confining our research activities to answering these types of questions, we provide much needed information to division management.

"We presently have a staff of six professional foresters, and hire temporary help

when needed during the field season to conduct our activities.

"We have divided our responsibilities into five separate research projects: regeneration, young stand management, merchantable stand management, land management planning, and tree improvement and genetics.

"In addition to the work conducted by our own people, we enter in contractual agreements and cooperative arrangements with other industry, Forest Service, and university organizations.

"By sharing existing knowledge and working together to provide new information, we hope to provide a sound basis for our intensive forest management program while being good stewards of the land."

Although forestry research has been conducted by Potlatch since the 1940s, a considerably expanded effort was begun just two years ago.

This expansion was necessary to meet the growing need for data on the response of our forests to intensive management.

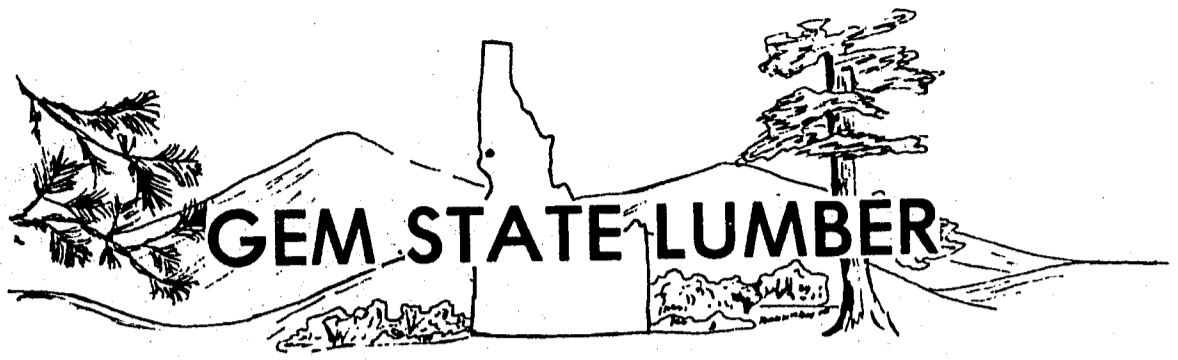
Stumpage prices increase

Private woodland owners can expect more income in 1978 as high stumpage prices are forced even higher, extension specialists of the University of Idaho, Washington State University and Oregon State University said in an economic outlook report.

"Mills paying the high stumpage prices will be gambling that lumber and plywood prices also will have been forced up enough when

the timber is cut one or two years in the future to justify today's stumpage costs," authors of the report explained.

If the gamble does not pay off, many mills may be forced to close and the Pacific Northwest wood products industry could lose important markets to competitors in Canada and the southern U.S., the specialists warned.



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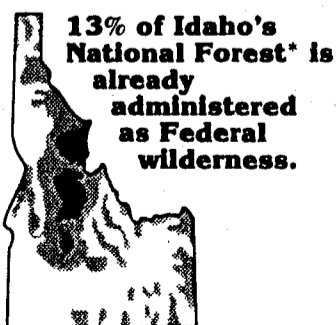
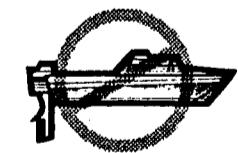
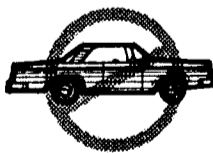
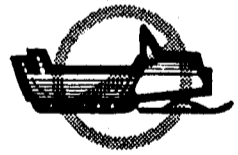
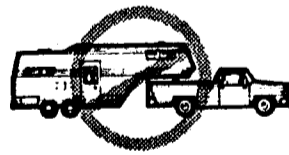
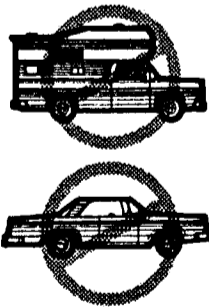
You can enter Federal Wilderness only by foot, boat or horseback.

No cars or RV's are allowed.

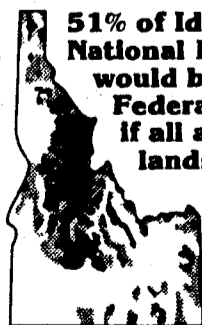


"Just what kinds of family recreation and commercial activity is prohibited in a Federal Wilderness area?"

Below are examples of activities that are prohibited in areas designated as Federal Wilderness.



13% of Idaho's National Forest* is already administered as Federal wilderness.



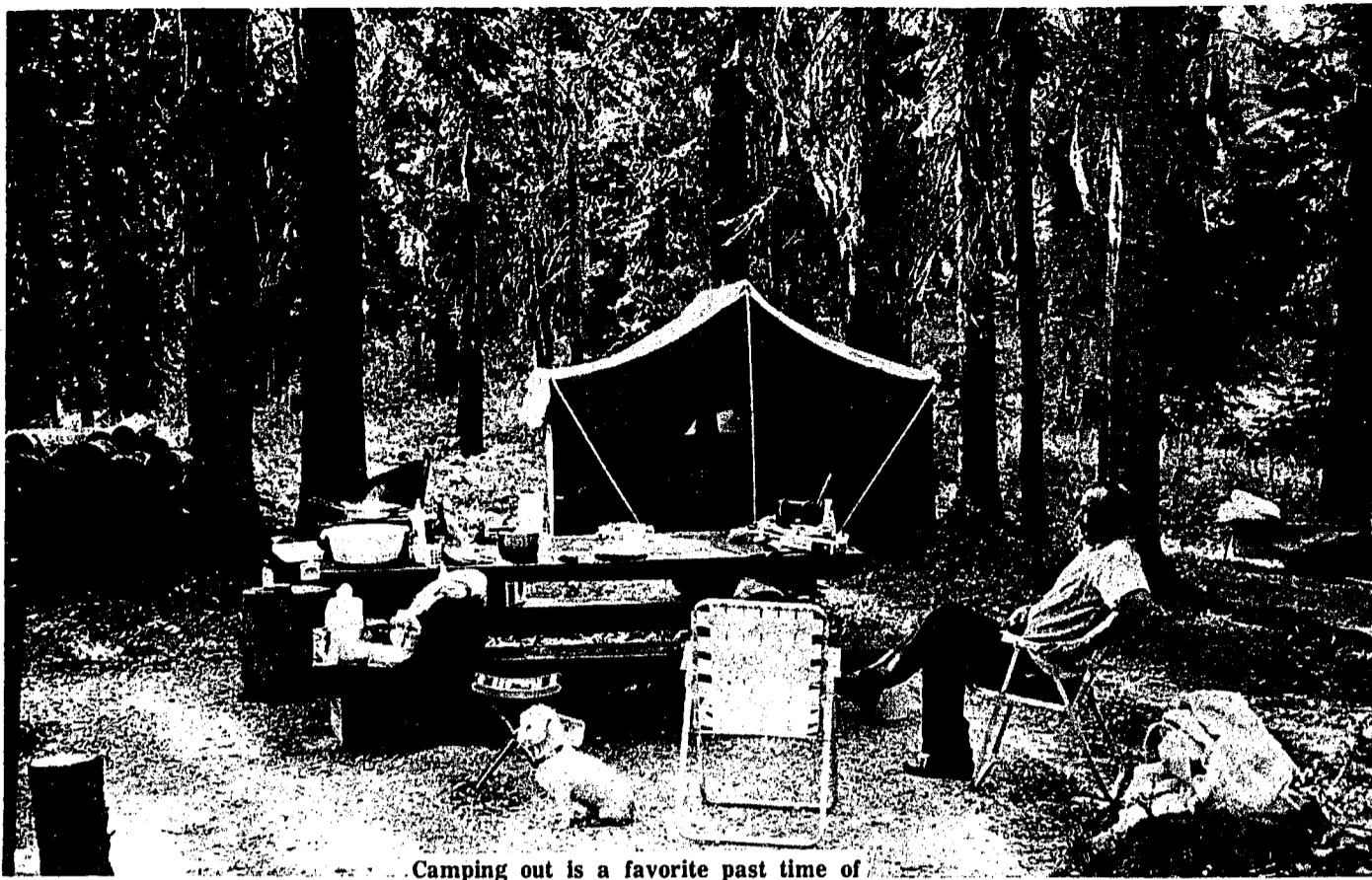
51% of Idaho's National Forest* would become Federal Wilderness if all additional lands under study are approved.

We can have additional Wilderness.

The question is: **How much more Federal Wilderness can we afford in Idaho?**

A message from the Idaho Forest Council

* Source - U.S. Forest Service



Camping out is a favorite past time of many in this area. This camp area was built and is maintained by Potlatch Forests, Inc.

PROTECT AND ENJOY

In Wild

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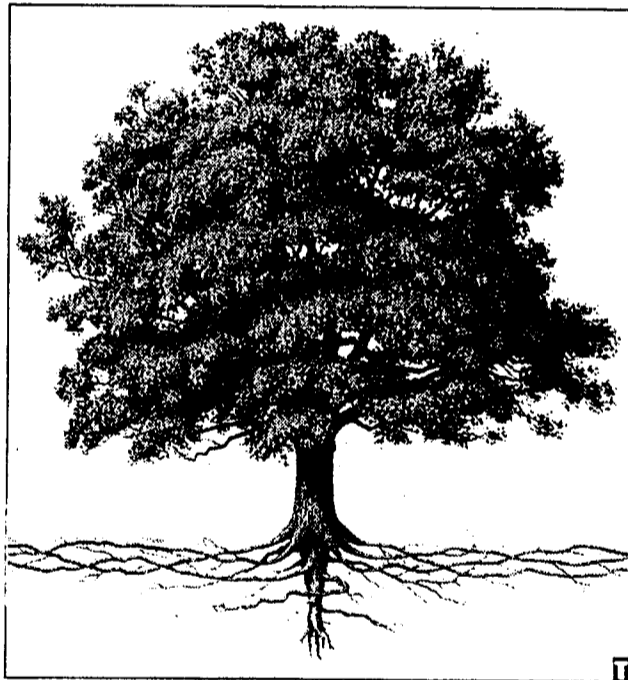
The Secret Life Of The Forest

HOW TREES BREATHE, DRINK AND GROW

At the tips of its roots, through tiny root hairs, a tree drinks water—gallons every day. This water flows up through microscopic channels in the trunk, then out into the branches, and, finally, into the leaves.

And there, much less than one percent is used to make food for the tree. The oak tree pictured at right, for example, can drink up to 300 gallons of water a day, but uses less than one quart to make food, which is eventually converted into new wood and bark.

This lavishness, however, is far from wasteful. The upward movement of water is vital to the complex processes that keep a tree alive and growing through decades or centuries. Vast quantities of water evaporating through pores on the underside of each leaf are necessary for both food-making and the accumulation of enough minerals for the tree's needs.

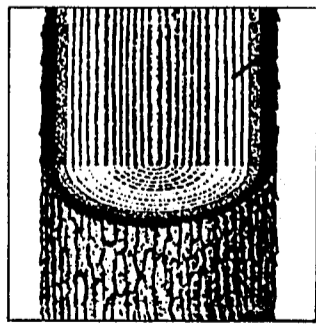


ROOT SYSTEMS grow in two ways. Fibrous roots spread out just beneath the surface of the soil. Tap roots grow straight down. Different species may have one or the other, or both systems like this white oak.

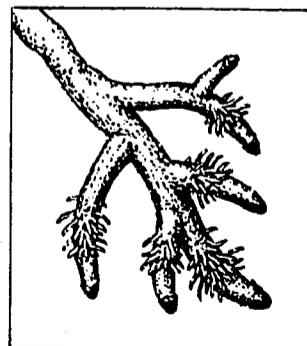
This article was prepared by the St. Regis Paper Company which—together with the other members of the forest products industry—is vitally concerned with maintaining the beauty and usefulness of America's forests for the generations to come.



IN THE LEAVES water and carbon dioxide combine to make food but most water passes out through holes on the underside of each leaf in a natural "air conditioning" required for photosynthesis, the basic food-making process.



WATER FROM THE ROOTS rises through microscopic channels in the outer layers of wood. Food made by leaves passes down through the inner layers of bark and is distributed to every living cell in every branch and root to become new bark and wood.



ROOT TIPS, covered by a protective, lubricated cap, push through the soil, continually probing for water. Just behind the tips, microscopic root hairs thrust out and absorb the moisture adhering to—and between—individual grains of earth.



A lack in the Wilderness eliminates the ability for those who mean to enjoy the wilds on horseback.



Backpack the rule in the Wilderness Machine development prohibited includes drive motorbikes, trailers, boats—lodges. Services water, tables, fire sanitary are rare exist, in a few discouraged most.



Permitted activities in the wilderness include country skiing, horse riding, and snowshoeing. Snowshoes are not allowed.



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Wilderness

You Can't

Lack of roads in the Federal wilderness area makes automobile sight-seeing those who lack means or ability to enjoy the on foot or back.



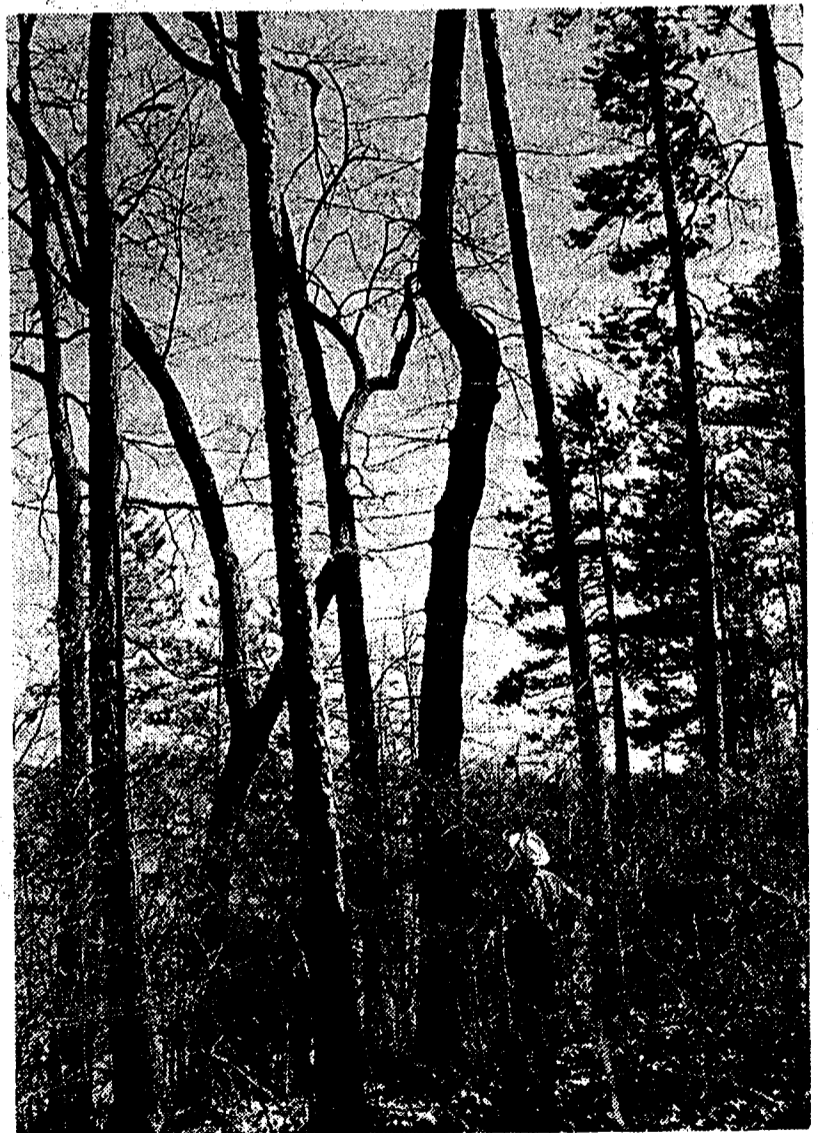
Backpacking is the rule in the wilderness. Machinery and equipment are prohibited. This includes four-wheel vehicles, motorcycles, campfires, house trailers, excursions — mountain climbing. Such conveniences as piped water, bridges, fire pits and sanitary facilities are or non-existent, tolerated in few areas but discouraged in



Permissible activities in Wilderness include cross-country skiing, hiking, horseback riding, mountaineering and snowshoeing. But motorized vehicles are prohibited.



Skiers wind through a tree studded glade on newfallen snow.



The Forest Service estimates that one of every four eastern hardwood trees is in the cull class. Culls, twisted and crooked trees, should be removed so that growth is shifted to better trees, just as gardens are improved by thinning. Culls never produce good lumber but do nicely as fuelwood. It is estimated that 13 billion cubic feet of fuelwood are available in this country each year. That amounts to about 160 million cords or enough to heat 33 million average American homes.

Forest road building rules stringent

Potlatch road construction crews and contractors built 170 miles of new road and reconstructed another 132 miles in North Idaho last year at a cost of some \$8.4 million.

The dollar value of road building has increased over the years to a point where it became necessary to create a department for the sole purpose of road construction and maintenance.

The Resource Construction Department was formed in the spring of 1976.

Prior to that time, road construction was a part of the two logging operations.

Three units, Northern, Headquarters, and Spalding make up resource construction operations in North Idaho.

Bill Mulligan, resource construction manager for all three units, says there is a construction superintendent in each unit: Norm Linton-Northern Units, Larry Arneson-Headquarters, and Sid Coy in Spalding.

Each superintendent has contract supervisors working under their supervision.

Contract supervisors are concerned with one particular job until it is completed, while superintendents may have as many as 20 road construction projects going on simultaneously.

Sid says his primary job is to build logging roads for the harvest of timber on Potlatch lands, Federal and State lands as well as intermingled ownership areas under cooperative agreements.

"Our goal is to build the roads allowing the timber harvest to be delivered to the mills at the lowest possible cost," he added.

The locations, design and construction of roads on Potlatch land must meet the guidelines established by our western division.

These guidelines were established to meet corporate objectives of responsible stewardship of timberlands as stated in Potlatch's "Business Philosophy."

Most of the construction is accomplished by company crews.

Roads constructed on Federal and State lands require the greatest attention and utilize more than 80 per cent of the time and effort of the Resource Construction Department.

Since roads on Federal

lands will remain in place for permanent management by the National Forest Service they must be located, designed and constructed as prescribed by the Forest Service.

When a timber sale is up for bid, the construction superintendent in that area goes to the site, looks it over and appraises the cost to build the roads as specified in the timber sale contract.

The first step is to review the Forest Service timber sale contract, checking the proposed methods to be used in construction, maps, photos, and other available information pertaining to the sale.

The next step is to view the site from the air to get perspective of the entire area.

This is then followed by an on-the-ground look at the proposed route observing steepness of ground, drainage, swamps, rocks, locations for bridges, and quarry sites for crushed rock.

Mike Fish, special projects engineer, makes the estimates on bridges, arches, retaining walls, and any other special features of the system.

The final step is to estimate the timing and cost for building the road. In determining these costs, consideration is given as to who will construct the road system—a road contractor or a company construction crew.

The completed cost estimates are then sent to Walt Mallory, administrative manager lands and logging—western division, for incorporation into the final appraisal of the proposed sale.

Walt makes the final appraisal and does most of the bidding on Federal and State timber sales.

He explained that before a timber sale is advertised, the Forest Service engineers, in cooperation with the Forest Service timber administrators, plan the road system necessary to access and harvest the particular sale.

Federal regulations dictate that roads be completely located, designed, and cost estimated by the Forest Service prior to the advertisement of the timber sale.

However this procedure requires that money be appropriated in advance by Congress.

And since this money is not always available, sales have been awarded during the past few years based on a preliminary location, design, and estimate of costs.

The timber purchaser is then required to make the engineering survey for final design and cost estimates.

Since the Forest Service appraises the value of the timber to be sold as though the roads were already constructed and in place, the timber purchaser is paid for the surveying and construction through Purchaser Road Credits.

These are established as various phases of the work are completed and accepted by Forest Service engineers.

These credits can be used to pay for stumpage in excess of certain minimum amounts prescribed by law which must be paid in cash.

Since the amount of road credits issued are based on the specified allowances, any actual costs over these allowances will be borne by the timber sale purchaser.

The importance of accurate presale cost estimating is obvious.

The cost of road construction on Forest Service land is much higher than on State or private land because of stricter specifications.

All brush must be completely burned or buried. Whereas on State land the brush can be windrowed below the road. Handling of the dirt is also more strict on Forest Service land.

Sid says it costs about four times as much to build roads on Federal lands as on State or company acreage.

All estimates for road construction should be within 10 per cent of the

actual cost to build the road in the time allotted.

This takes application of experience.

Timber sale road costs vary. Where the main access had been provided from a previous system road the cost may be a few thousand dollars. Where a new entry such as the Lunch Creek Sale will cost over \$3 million for 32 miles of road. Sid says the road was oversized.

"We could harvest timber off a much less costly road but the Forest Service feels they need this type road for their transportation system."

After a road on Forest Service or State land is constructed and the timber harvested, the road is turned over to the owner of the land for maintenance.

Roads built on Potlatch land are maintained by Potlatch.

Larry Arneson says,

basically, a construction contractor can often build a road for less cost than company people.

This is primarily because they are specialists. The contractor's equipment is newer and more specialized.

Equipment used by Larry's crew is multi-purpose. It is used for logging during the winter when very little road building can be done.

"Our main reason for having a company road building crew is to build company and state roads not requiring sophisticated equipment, at the lowest possible cost," Larry said.

Larry feels his crew can do a more profitable job than contractors on some parts of road building such as grass seeding the banks of a new road to prevent erosion.

Potlatch has many co-op roads with the Forest Service, the State of Idaho, and


other private timber companies. Some agreements are with more than one party.

Basically the parties get together and agree on the standard and location of the road, estimate the costs and determine the shares of financing by each party.

This is usually determined by acres of ownership or volumes of timber to be cleared to make way for the road. In the case of standards agreement there can be some real hang-ups especially with the Forest Service.

In 1977 Potlatch completed a new cost-share agreement with the State of Idaho in the Three Bear, Mason Meadow area east of Kendrick.

This system, which has already been built into Potlatch lands, will also access the State lands for a joint road system.



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Wickes major local employer

The forest industry is big business in Idaho County.

And Wickes Forest Industries Division of The Wickes Corp. is one of the key firms that makes it such a vital force in the financial scheme of the county.

The Wickes Corp. is the largest single year-around employer in Idaho County.

Wickes Forest Industries bought Prairie Lumber in Grangeville in 1969 and Idaho Pine (White Bird mill and planer system) the next year. In 1971, Idaho Western Mills was purchased.

The Wickes Corp. had stock in Sequoia Forest Industry and when the president of the firm died bought the firm. The White Bird operation was closed in 1971 due to lack of available timber and an inefficient operation there.

A reorganization was made and Prairie Mill was disbanded and rebuilt on a new location. This provided better utilization of smaller logs. The Wickes Corp. has an ongoing modernization program.

"We profess to be a community-minded employer with donations of materials, money and sponsorships to the local community," officials stated.

The company is very concerned about slowing production if the decrease in timber supply continues.

During 1977, the firm processed a total of 100 million board feet of lumber.

Wickes officials state the firm has had a continuing program of upgrading equipment and facilities with the goal of "better utilization of timber resources."

The firm considers the entire U.S. its market area as far as lumber products are concerned.

During 1977, it shipped 5,568 truck loads of chips, shavings and sawdust to Potlatch Corp. and 864 rail car loads to Georgia Pacific.

Logs from four inches to four feet in diameter are

used in the manufacture of lumber. The firm, in addition to lumber and chips, exports decorative bark and soil builder which gives total utilization of the log.

Wickes is involved in an assistance program to local, private timber owners to help them manage their timber property. There is no charge for this and no strings attached.

Wickes Forest Industries obtains 80 per cent of its timber from national forest land and 20 per cent from state and private timber land.

The major challenge to the entire regional forest industry is the shrinking timber base. There is a timber famine developing, according to Wickes officials.

This is causing rising lumber prices and contributed to the closure of 11 lumber mills in the Northwest during 1977.

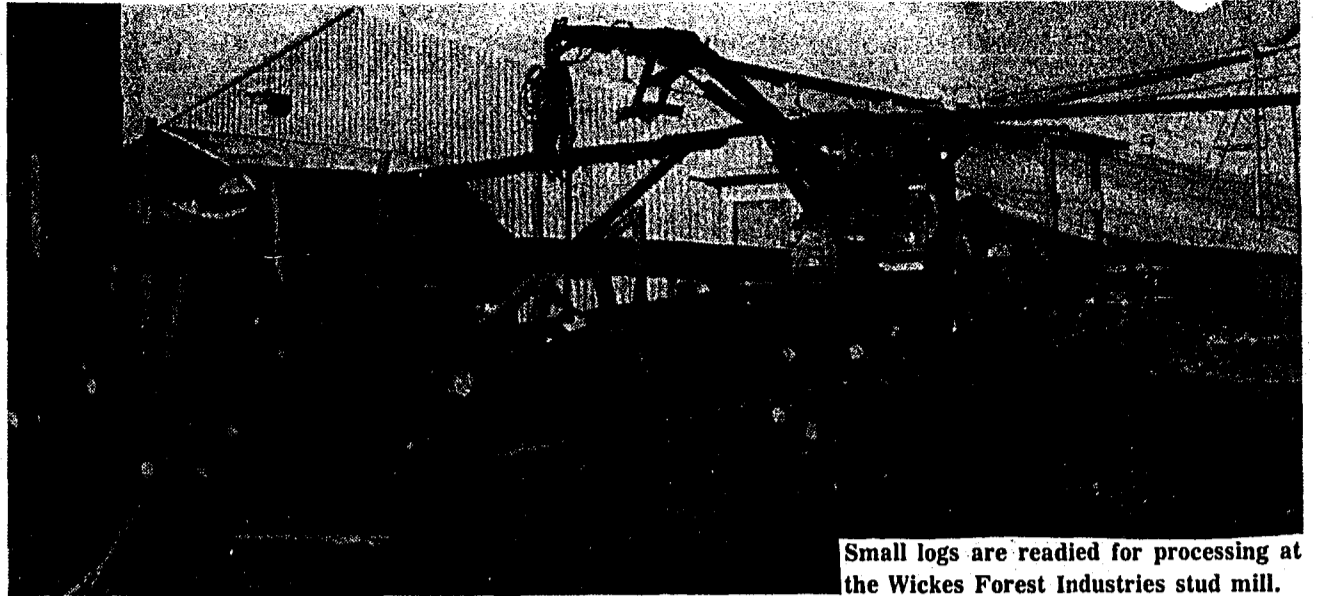
If the current trend of more and more national forest land being removed as a timber source continues, state and private timber lands will become more and more important.

At present 80 per cent of the Nez Perce National Forest land is under study. The forest industries in Idaho County, of which the Wickes Corp. is a major component, contributed \$3.9 million to the county during fiscal 1977 in lieu of taxes to the county.

This money goes to support local schools and roads and is from the sale of timber from U. S. forest land.

Approximately 500 to 600 persons are directly or indirectly employed as the result of The Wickes Corp. activities in Idaho County.

The local firm employs 300 persons directly and in 1977 had a payroll of \$4,248,000 gross to plant employees. This figure is more than \$7 million when money paid to contractors is added.



Small logs are readied for processing at the Wickes Forest Industries stud mill.

Not only is there a strong impact on Grangeville but surrounding communities get direct and spin off benefits. There are 36 persons from the Cottonwood, Fenn and Keuterville area employed at the Grangeville plant.

There are 22 from the Stites-Kamiah area and 8 from the White Bird area.

The Grangeville plant is operating two shifts a day.

TIMBER HARVEST TOTALS LISTED

More than a million board feet of timber was sold and harvested in the northern region National Forests during fiscal 1977.

Value of the volume sold was \$50,311,481.96. Volume harvested totaled 1.11 million board feet. Value of the volume harvested was \$48.34 million.

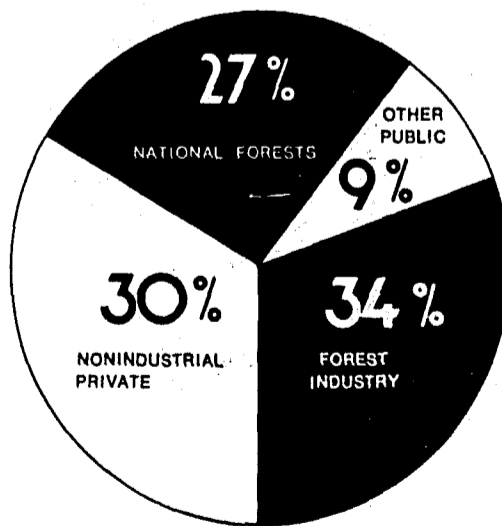
The Forest Service advises the volume of timber harvested in fiscal 1977 is equivalent to that required to build approximately 112,000 average size homes.



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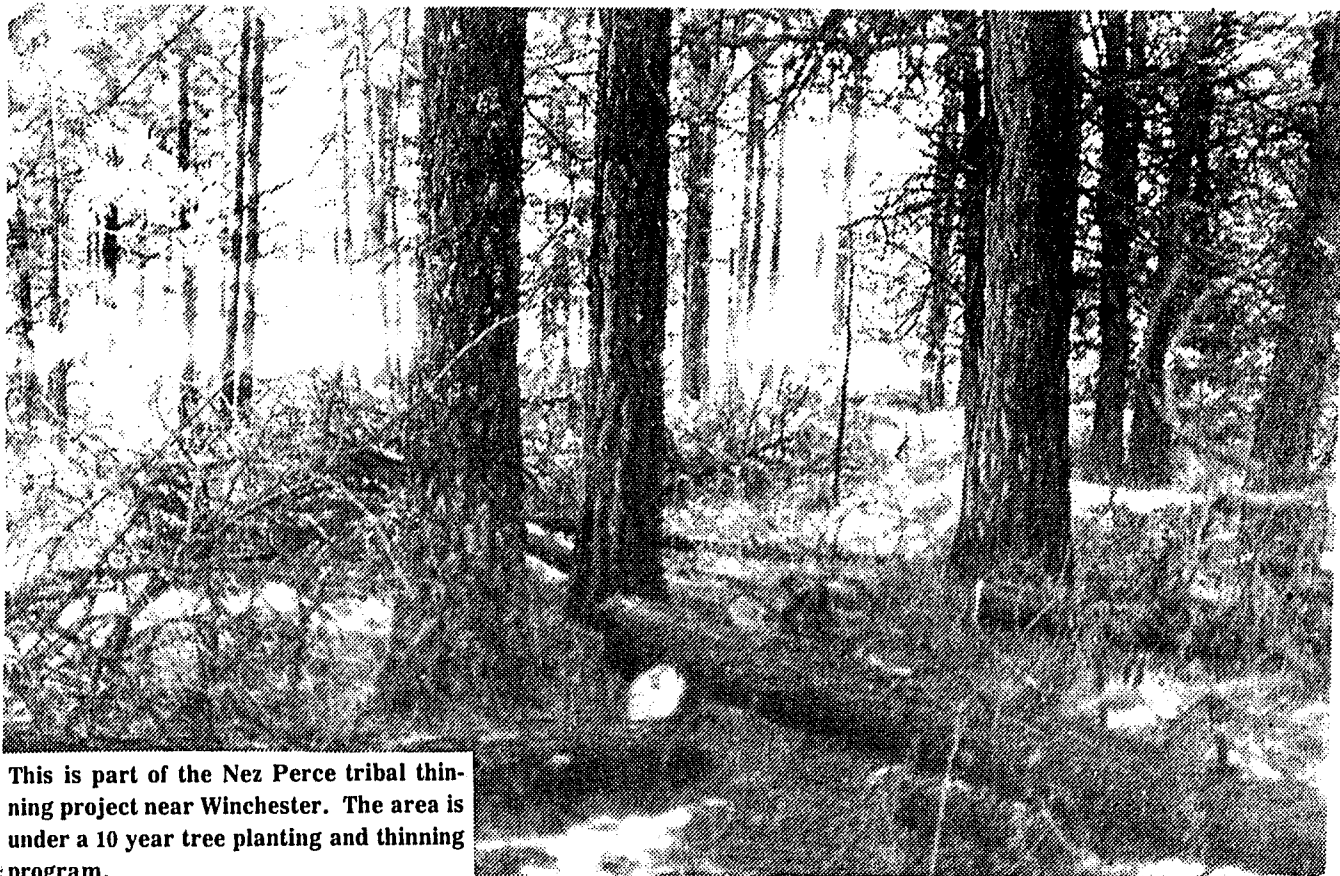
In Idaho, much of the non-industrial forest land is owned by farmers and ranchers. Wickes recognizes the importance of their contribution, and through programs, such as the American Tree Farm System, is dedicated to helping these owners receive the maximum return from their forest land.

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This is part of the Nez Perce tribal thinning project near Winchester. The area is under a 10 year tree planting and thinning program.

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Thinning program underway

The Nez Perce Tribe is thinning reservation woodlands in the Winchester and Orofino areas under a 10 year tree planting and thinning program.

This is funded by Congress for the timbered reservations, according to Victor Sisson, forester at the Lapwai Bureau of Indian Affairs office.

Winchester area stands were last harvested by the Craig Mountain Lumber Co. beginning in 1923.

The stands are mostly ponderosa pine with some douglas fir, Sisson said.

About 500 trees per acre

are being cut in the seven inch diameter category to achieve about 16 foot spacing.

About 450 acres throughout the reservation will be thinned this year, he said. The thinning is done in blocks so areas with good spacing are skipped.

Possible insect damage influences when and what is thinned. Pine is being thinned now and douglas fir in the summer.

Quite a bit of insect damaged timber is being salvaged in the Reubens and Lenore areas.

More moisture being

available to the remaining trees helps prevent insect damage, he said.

Some of the slash disposal in thinning is for reducing fire hazard. The planting portion of their program is for the Cottonwood Creek Fire.

Some seeding has already been done and more is planned for this fall if cones are available.

Last year's cone crop was very small.

At the end of the ten year program, they plan to have the backlog of forest improvements complete and ready to do the routine maintenance of them.



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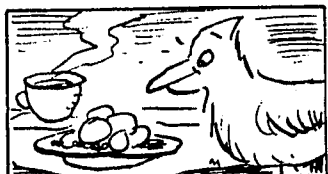
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On a Potlatch Forests, Inc. sample plot the age of a tree and the current growth rate were determined by using an increment borer which is inserted into the tree to extract a core sample.

Tree growth studied

Channel Lumber Company Forester Bud Herr is measuring and recording the growth of trees in Jarnagin thinned stand.

Trees for the study are marked with blue plastic ribbons around their trunks.

Herr measures the living trees without damaging them by boring a hole in them with an increment core drill about twice the size of a wooden match.

He then inserts a half tube into the tree and twists it to remove a sample of the tree from the bark to the heart.

Counting and measuring the growth rings gives a fairly accurate record of the tree's progress.

The last two years haven't been good growth years with the stand getting re-established the first year and last year's drought.

They have grown about one quarter an inch in diameter each year, Herr said.

Warren and Richard Paul did a thinning project west of Craigmont about the same time as Jarnagin's, but Paul's had more extensive thinning for improved grass production.

They haven't had any problems with blow downs either, Herr said.

The first step in the field after a thinning project is planned is marking the trees to be cut with a paint gun.

"I mark light the first time

and check as they log to see if I want to take out some others," Herr said.

Many that are taken out are stunted and would have died under the overcrowded conditions.

Most thinning projects are done in the spring when smaller loggers and "gypos" are available and want to work.

"We plan thinning projects so when seedlings are four to six feet tall we take out more trees to reduce the overstory so the young trees have more light and room to grow.

Then we keep it spaced so it continues to grow best," Herr said.

Some thinning projects are being planned and worked on in the Keuterville area now.

Woodland owners, if you are considering:

- ★ thinning
- ★ logging
- ★ selling stumpage

Please feel free to contact

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Forester Bud Herr

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Old line Northeastern Nevada cattlemen predict spring beef prices will be up.

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So demand, not so much by consumers as the livestockmen themselves, will lift the market quotes.

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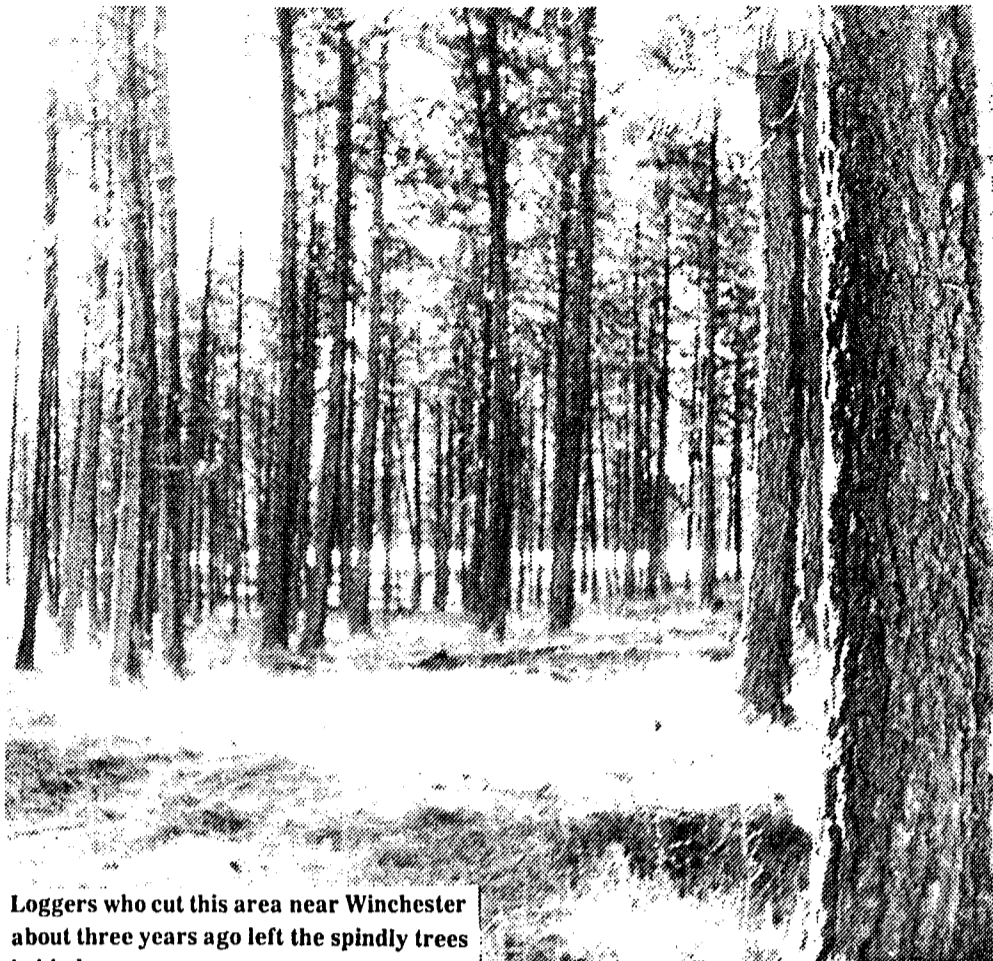
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Prairie Auction

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Auctioneer Fred Woods



Loggers who cut this area near Winchester about three years ago left the spindly trees behind.

Studies reduce harvests

The so-called roadless area review and evaluation (RATEII) is a process begun last summer intended to speed up the U.S. Forest Service (USFS) land planning.

It calls for rapid identification of those areas which are clearly best suited for wilderness and non-wilderness management.

The process, programmed for completion in 18 months, would allow the USFS to return to resource management and timber harvest in those areas classed for non-wilderness use.

Reinventory of roadless areas has intensified the need for quickly settling this matter because RAREII now encompasses a significantly larger area than its predecessor RARE I, and

will have an immediate impact on national forest timber sales.

The USFS is predicting that the timber harvest for the three North Idaho National Forests - Panhandle, Clearwater and Nez Perce - will drop by 25 percent.

The reduction is largely due to the expansion of the roadless inventory in the RARE II process.

Land within the roadless inventory is included in the allowable cut computation but is unavailable until land use planning is completed.

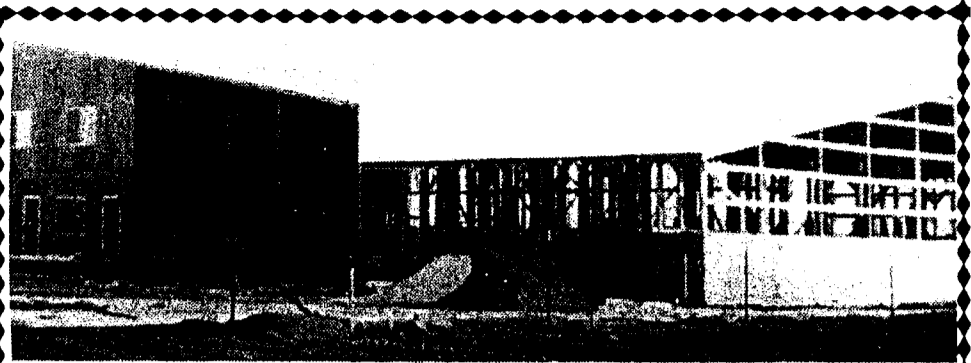
Almost three-quarters of the Clearwater National Forest is unavailable for timber harvest even though it is recognized as one of the most productive national forests in the Northern Rocky Mountain Region.

The USFS estimates the Clearwater National Forest can sustain an annual harvest of 211 million board feet on a perpetual basis if unconstrained.

The Clearwater National Forest supervisor's office estimates the new five-year planned average annual harvest at about 111 million board feet, or only 53 percent of what it is capable of producing.

If the roadless areas remain in limbo, it can readily be seen that area sawmills will have to curtail operations.

Private and state land will not be adequate to meet the demands for timber previously purchased from the national forests.



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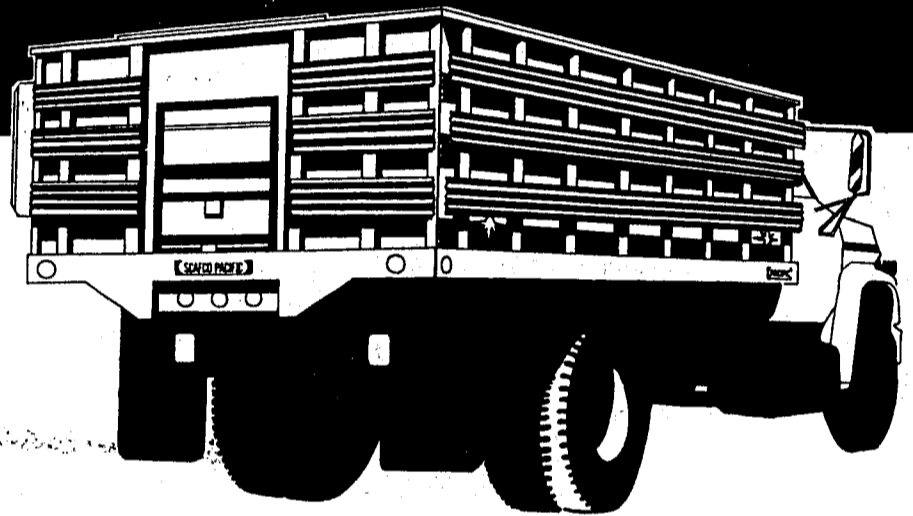
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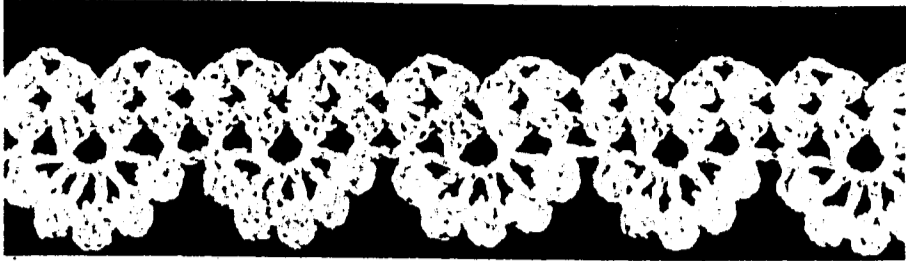
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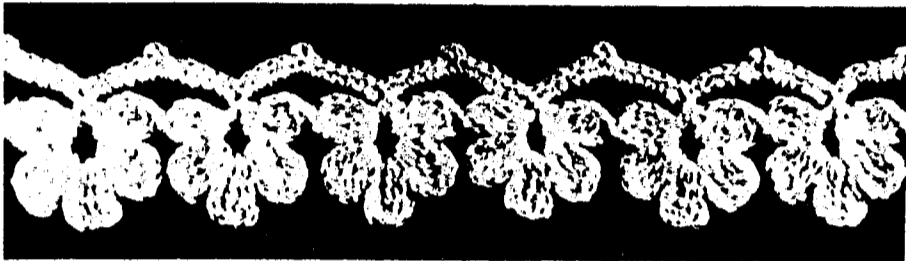
Edgings



Ch 5, 3 d c, ch 3, 3 d c (shell) in 4th st from hook, ch 3, turn. 2nd ROW: 3 d c, ch 3, 3 d c in loop, ch 3, turn. 3rd ROW: 3 d c, ch 3, 3 d c in loop, ch 5, turn. 4th ROW: Shell in shell, ch 3, turn. 5th ROW: Shell in shell, ch 2, 6 d c with ch 2 bet in 5 ch loop, s c in 3 ch loop of previous

row, turn, ch 3, 2 d c in first 2 ch loop, * sl st in next loop, ch 3, 2 d c in same loop, repeat from * 3 times, s c in next loop, ch 3, shell in shell, ch 3, turn. NEXT ROW: Shell in shell, ch 5, turn. NEXT ROW: Shell in shell, ch 3, turn. Repeat from 5th row for length desired.

Materials Required:
AMERICAN THREAD
"GEM" MERCERIZED CROCHET COTTON,
1 - 350 yd. Ball White, size 30
Steel Crochet Hook No. 11

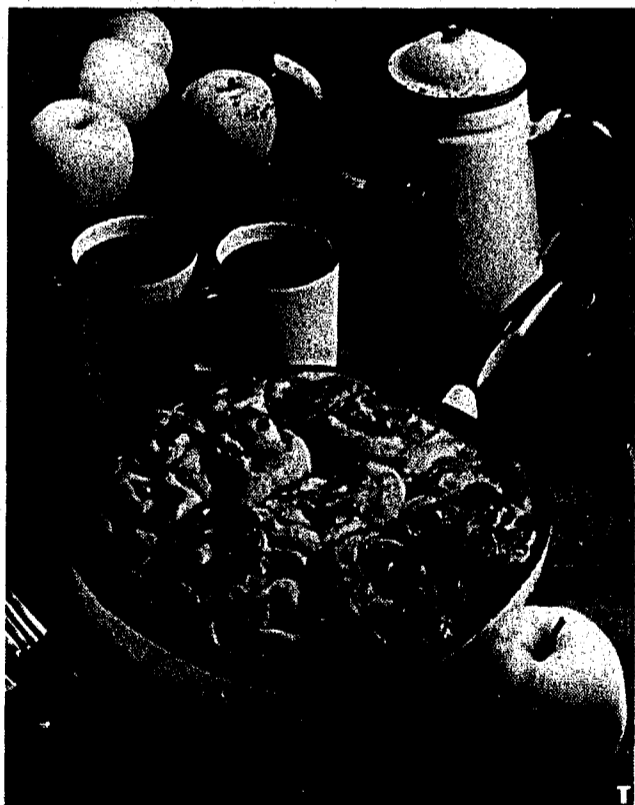


Ch 8, join to form a ring, sl st in ring. ** ch 4, cluster st in ring (cluster st: * thread over hook twice, insert in ring, pull through and work off 2 loops twice, repeat from * twice, thread over, pull through and work off all loops at one time), ch 4, s c in ring (petal), repeat

from ** 4 times, sl st in 1st sl st, * ch 20, sl st in 8th st from hook to form a ring, sl st in ring, ch 4, cluster st in ring, sl st in opposite petal, ch 4, s c in ring and work 4 more petals, then repeat from last * for length desired. NEXT ROW: Work 6 s c, ch 3, 6 s c in each loop of upper edge, cut thread.

Skillet Applesauce Rolls

Apples and bread have always been compatible. They combine well in coffeecake, bread puddings, poultry stuffings and numerous casseroles and desserts. This recipe combines smooth, canned applesauce with hot roll mix to make sticky rolls that will be welcome for brunch, kaffee klatsch or dessert for dinner. It's a real quickie because packaged roll mix eliminates measuring ingredients. And by using canned applesauce you eliminate peeling, coring, slicing, cooking and sieving the apples. Canned applesauce is cooked; however, the recipe calls for ten minutes of additional cooking to concentrate the juice to achieve a more syrupy, sticky texture, characteristic of sticky rolls.



Most cooks don't use skillets as baking pans. Actually a heavy skillet makes a fine pan for baking bread as it heats evenly and in the case of applesauce rolls, it helps achieve a glossy, caramelized bottom on the rolls. Butter and brown sugar are melted in the skillet first and the rolls are arranged cut side up on that mixture. If the handle on the skillet is not ovenproof, cover it well with heavy aluminum foil.

Canned applesauce comes in smooth and chunky styles. Be sure to use the smooth kind as it's been finely sieved which will give a more even distribution of flavor and sauce throughout the rolls.

SKILLET APPLESAUCE ROLLS
1 (13-3/4 ounce) package roll mix
2 tablespoons sugar
6 tablespoons butter
2 cups smooth applesauce
1/3 cup brown sugar, firmly packed
1/2 cup chopped pecans
Cinnamon

Prepare roll mix according to directions on package, adding 2 tablespoons sugar to dry ingredients. Cover; let rise until doubled in bulk. Meanwhile add 2 tablespoons butter to applesauce; cook 10 minutes

to evaporate some of the liquid, stirring occasionally. Cool. Melt remaining 4 tablespoons butter in 9-inch skillet; add brown sugar; heat until dissolved. Roll out dough to 17 x 9-inch rectangle. Spread with cooled applesauce and sprinkle with pecans and cinnamon. Roll up jelly roll fashion. Cut in 1-1/2 inch slices. Arrange cut side up in pan on sugar mixture. Cover; let rise until doubled in bulk. Bake in 400°F. oven for 20-25 minutes or until golden brown. Serve hot. Makes 16 rolls.

Easy Party Food



PICK-UP STICKS
2 cans (5 ounce size) small canned sausages, drained
1 egg, beaten
1/2 cup cheese crackers, finely crushed
1/4 teaspoon chili powder
Ketchup

Heat oven to 375 degrees. Dip sausages in egg. Combine crushed crackers with chili powder. Roll sausages in cracker mixture to coat evenly. Insert toothpick in one end of each sausage. Place on baking sheet. Bake 8 to 10 minutes until hot. Serve with ketchup as dip. Makes 14.

CHEESE CRISPS
4 oz. natural Cheddar cheese,
grated (about 1 cup)

1 egg
1 tablespoon milk
Dash ground black pepper
Round crackers

Thoroughly blend first four ingredients. Spread on crackers, covering all the way to edges. Pass quickly under broiler until golden and puffy, about 1 minute. Makes about 22 crisps.

CRAB MEAT DIPPIS
1 can (6 ounce) crab meat, flaked

2 teaspoons mayonnaise
1 teaspoon onion, grated
24 small crispy crackers
1/2 cup grated Cheddar cheese

Toss crab meat with mayonnaise and onion. Spoon onto crackers. Sprinkle generously with cheese. Broil 3 inches from source of heat for 1 to 2 minutes or until cheese is melted and slightly browned. Serve hot.

BANANA CURRY DIP
1 cup sour cream
3/4 teaspoon curry powder
1/4 teaspoon salt
1/2 cup ripe banana, mashed (1/2 small banana)

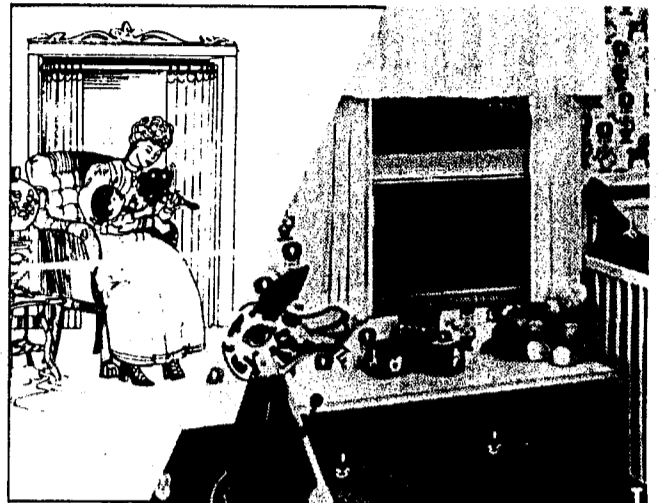
Bananas peeled and cut in 1-inch pieces
Cherry tomatoes
Celery pieces

In a small bowl mix sour cream, curry powder, salt and mashed banana. Chill 30 minutes to develop flavor. Use as a dip with pieces of banana, cherry tomatoes, celery or other raw vegetables. If desired, serve banana pieces with cocktail forks or picks. Makes 1 3/4 cups dip.

IDEAS & FOOD for thought

By Pat Wherry

Changing Home Lifestyles



A baby born at the turn of the century was often kept cool through long hot nights by the breeze from a palm frond fan in mother's hand. This could be pretty hot and tiring work for mother, dressed as she was in the long, heavy clothes of long ago.

Today, both babies and parents can stay comfortable thanks to efficient

room air conditioners. Even special windows no longer pose an installation problem. Whirlpool offers a variety of models to fit horizontal sliding, crank-out and standard casement windows as well as through-the-wall units. Optional energy-saving features add to your comfort while helping to save you money, too.

HINTS ON HEALTHY HOUSE PLANTS

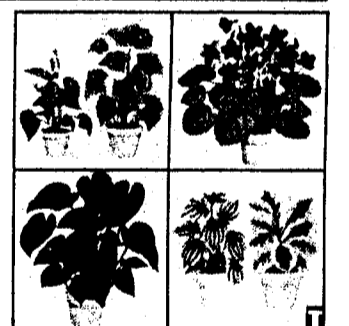
Anyone can have a "green thumb"—it's no mystical power, but just a matter of having a little plant care know-how. Here's some advice for keeping your house green all year long:

• Make sure you start out with healthy specimens. Look out when plants aren't perky—and for any signs of pests, like webs or dried-out brown spots on leaves.

• Think about your home's lighting before you buy a plant. If you get little light, for instance, an African violet won't thrive (unless you grow it under artificial light).

• Feed your plants. Soil has some nutrients, but they may not be enough or the right kind to make leaves their greenest or to make plants bloom. But make sure you get the kind that's right for your plants. For instance, the House In Bloom line, which you'll find displayed in your supermarket, is the convenient way to mistake-proof plant care. It includes four kinds of plant food you just spray into the soil: for flowering plants, for foliage plants, for African violets, and for people who want an organic food with no chemicals.

• See that you're using the right pot size. When roots fill the pot, the plant can't grow; if you use too big a pot, roots can become soggy



ANYONE CAN GROW common house plants, such as (clockwise from top left) begonia, African violet, peperomia and philodendron, with just a little know-how.

and rot. Always move plants to the next size container—from a 4-inch to a 5-inch pot, for instance. The Plan-tool, which you'll find in the plant supply display, will help you repot and do other chores. It's a tiny all-purpose indoor garden aid for grooming, pruning, aerating and tamping soil—and even helps take cuttings.

• Make sure plants have enough humidity—most homes are too dry. Spray them with a plant mister weekly. Also put a layer of vermiculite in the tray under the plant and keep it wet for added humidity.

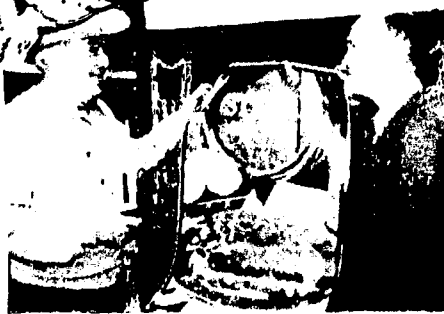
This was prepared by experts in the plant care laboratories of House in Bloom.

YOU'RE IN LES SCHWAB COUNTRY

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The Les Schwab Difference

FREE BEEF



Lee Schwab, Chairman of the Board of Les Schwab Tire Centers, and Bill Ross, President of the Oregon Cattlemen's Association, are shown installing a Beef Poster in a Les Schwab Tire Center signifying the kick-off of the Tire Firm's 14th annual Free Beef Promotion in 78 locations in Oregon, Washington and Idaho.

It was in 1964 that Les Schwab Tire Centers first began giving Free Beef Certificates with the purchase of Les Schwab tires. As of last year a total of more than \$270,000 in Beef Certificates have been given to Les Schwab customers. The Tire Firm has purchased \$50,000 in Beef Certificates to cover this year's promotion.

Mr. Schwab stated "The Beef Program helps 'beef' up our tire sales during the normally slow months of January and February and at the same time supports our Northwest Beef Industry in all the areas we serve."

Mr. Ross, who resides in Jordan Valley, was elected President of the Oregon Cattlemen's Association in November 1977 and will serve a two year term. Prior to being elected President Mr. Ross served as First Vice President for a two year period.

\$5⁰⁰
Worth of

FREE BEEF
With Purchase
of Any Passenger
or Pickup
Two New Tires

\$10⁰⁰
Worth of

FREE BEEF
With Purchase
of Any Passenger
or Pickup
Four New Tires



**SEIBERLING
SMALL CAR
BIAS-PLY**

SIZE 600x12

BLACKWALL

\$22⁴⁸

W-EXCH.
ADD \$1
No. Trade

WHITEWALL

\$24⁶⁹

Plus \$1.53 Tax

SIZE B-W W-W TAX

600x13 20.17 1.60

A78x13 21.82 24.23 1.72

560x14 23.65 26.28 1.77

600x15 23.84 26.52 1.81



**MONARCH
2 + 2 STEEL
RADIAL**

SIZE PRICE TAX

BR78 - 13 42.39 2.00

DR78 - 14 46.44 2.27

ER78 - 13 47.87 2.41

FR78 - 14 49.74 2.54

GR78 - 14 52.10 2.69

HR78 - 14 54.79 2.88

FR78 - 15 50.98 2.51

GR78 - 14 53.39 2.79

HR78 - 15 56.21 2.96

JR78 - 15 3.13

LR78 - 15 60.13 3.28

\$42³⁹

Plus F.E.T.

**MULTI-MILE
4-PLY
POLYESTER**
A78x13 B-W
\$23⁰³
Whitewall \$24.35 \$1.72 Tax

w-exch.	B-W	W-W	TAX
	23.84	25.40	1.62
B78x13	25.35	26.89	2.01
C78x14	35.61	27.17	2.09
D78x14	26.16	27.68	2.23
E78x14	27.36	28.97	2.37
F78x14	27.23	29.79	2.53
G78x14	30.43	32.02	2.73
H78x14	29.05	30.71	2.59
G78x15	30.69	32.44	2.79
H78x15		35.13	3.09

ONLY
5 DAYS
LEFT

**VELOCE
SMALL CAR RADIAL**
SIZE 155-12
\$22⁹²
TAX \$1.47
w-exch.

SIZE	PRICE	TAX
155x12	22.92	1.47
145x13	24.99	1.47
155x13	25.67	1.64
165x13	28.73	1.82
165x14	29.49	1.95
155x15	28.53	1.89
165x15	32.07	2.02

**SEIBERLING
HIGHWAY SERVICE**
SIZE 670-15-8
\$34⁶⁹
Tax \$2.11

SIZE	PRICE	TAX
700x15-8	34.66	2.85
650x15-8	34.48	2.70
700x16-8	38.15	3.00
750x16-8	47.66	3.68

HIGHWAY
PICKUP TIRE
W/EXCH.

**RECREATIONAL
VEHICLE TIRES
FREE BEEF**

Seiberling	Monarch	Multi-Mile
POWER TRAC LUG	Ridge	MULTI-TRAC
10x15 6 P RWL	Runner	10x15 4 P RWL
\$58⁰⁰		\$60⁰⁰
\$4.37 F.E.T.		\$4.16 F.E.T.
11x15 6 P RWL		11x15 4 P BK
\$63⁰⁰		\$62⁰⁰
\$4.60 F.E.T.		\$4.15 F.E.T.
12x15 6 P RWL	11x15 4 PLY RW	12x15 6 P RWL
\$71⁰⁰	\$64⁰⁰	\$85⁰⁰
\$4.11 F.E.T.	\$4.18 F.E.T.	\$4.11 F.E.T.

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