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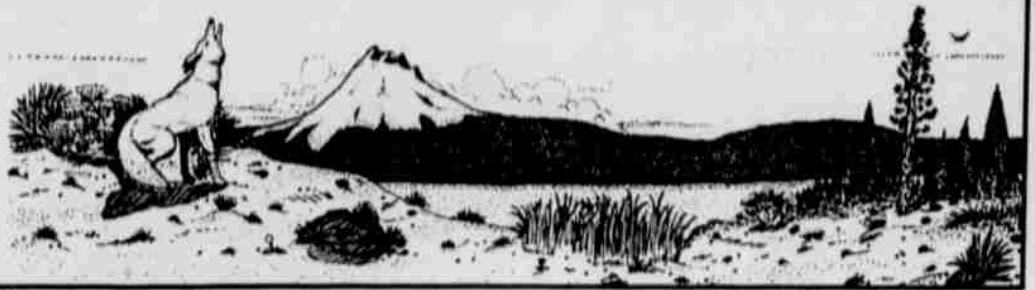
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The Oregon State University Extension Service staff is devoted to extending research-based information from OSU to the people of Warm Springs in agriculture, home economics, 4-H youth, forestry, community development, energy and extension sea grant program with OSU, United States Department of Agriculture, Jefferson County and the Confederated Tribes of Warm Springs cooperating. The Extension Service offers its programs and materials equally to all people.



The Clover speaks

by Sue Ryan

The end of 1996 also brought the loss of a resource for the Warm Springs 4-H program. Arlene and I both would like to say a Big THANK-YOU to Kathy Hall for her service over the years. Kathy was the sewing and craft lady at Turner's Ben Franklin in Madras for 22 years. She retired from her job on December 31st. Whenever we had a crafty question - where can you still find that satin straw raffia? Kathy always knew. She knew where you could order it, how much it would cost, and how long it would take for the order to come in. And she knew this information in detail off the top of her head. So, we would like to take a moment here to acknowledge how helpful Kathy Hall has been to our 4-H Program in Warm Springs over the years.

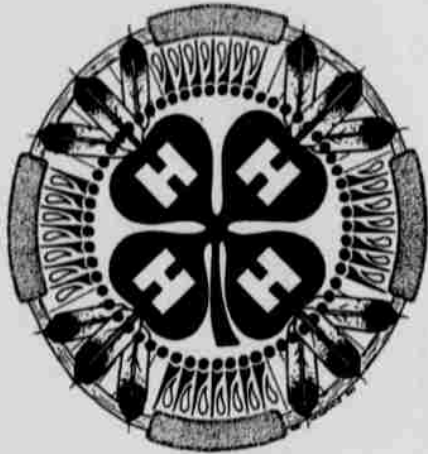
The "Creating with Yarn" 4-H club starts up again after a holiday break on Tuesday, January 14th. They meet from 4:00 to 6:00 p.m. in the 4-H Center. A reminder for all who are attending this club - remember that this is a short-term club and will only meet until February 11th. Also, if you haven't turned in a 4-H registration form please do so right away.

Arlene and I are setting dates for our January through March calendar still. One class that has been finalized is "Basketmaking with Rosemary". This will be held on two Saturdays in March, the 1st and 8th. This class is for students in 5th through 12th grades and registration for it will open February 1st. Still on the drawing board are cooking for kindergarten through 3rd grades, sewing for older kids, and "Know Your Indian Government" for high school students. As soon as we set the final details, we will publish the information.

A reminder for all parents and youth - if you attend a 4-H activity or club, even if it is a one-time event, you must complete a 4-H registration form. Filling this out is quick, painless and easy and it only takes a few minutes. Once you fill a form out, it is good for a full year!

I would like to congratulate the four students at Early Childhood Education who completed the recent 4-H Babysitting short course held there over the holiday break. They are Erica Wewa, Jenni Van Pelt, Shanell Kalama, and Lucy Wolfe. These girls learned about various ways to care and interact with

younger siblings and relatives. Some statewide 4-H activities coming up include: * 4-H Natural Science Day on March 22nd, 1997. This is a fun-filled one day session held at the 4-H Center near Salem. Classes for this year will cover: the world of owls, Bats: masters of the night, where is our ecosystem?, exploring geographic information systems, environmental pollution, fishing with your family, archery, and the amazing world of insects. Registration forms for 4-H Natural Science Day are available at the



Warm Springs 4-H office, and are due before March 7th. There is a fee of \$ 6.00. * Know Your State Government is a citizenship education program designed for youth learn how their state government functions. It is held April 2nd through the 4th in Salem, Oregon. More information is available at the Warm Springs 4-H office, and registration will be handled through the Madras 4-H office. There is a fee of \$ 85.00. * It's never too early to think about summer! - and the dates have been set for the 1997 4-H Natural Resource Workshop. This five day workshop is titled "Mt. Discovery, Exploring the Links between Mountains, Water, People, Food and Fun". The five-day workshop will focus on Mt. Hood and the surrounding area. It is set for August 4th - 8th at Nanitch Lodge (the Boy Scout camp). Mt. Discovery will be open to 40 middle school participants, and has a leadership track for 10 high school age students. Registration for Mt. Discovery is \$ 100.

Natural Resource Notables

by Bodie Shaw

A Range of Wonders

The Society for Range Management (SRM) along with the Soil and Water Conservation Society (SWCS) are cooperating to publish a new educational cartoon booklet, entitled "Range of Wonders". This booklet is now a part of SWCS' series of Environmental Adventures booklets designed for youngsters, ages 10-12.

The booklet is a great educational resource about rangeland, grazing lands, and the livestock industry. This booklet exposes both youth and adults to the importance of range and pasture land in an educational and fun-filled way. The following excerpt gives a quick peek into what "Range of Wonders" is all about.

"Land on our planet give us a home and the many resources we need to live. There are many kinds of land, and each one gives us unique gifts. Forested land gives us wood for paper and building. Farmland with good soil

gives us plant crops for food and clothing. Another type of land is rangeland.

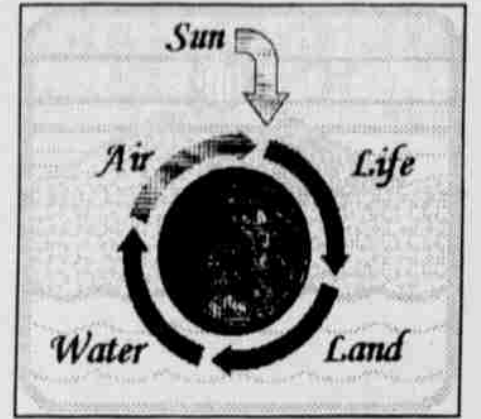
Rangeland is covered with grasses, forbs (wildflowers), shrubs and scattered trees. With the many different types of plants, rangeland provides a variety of uses and products. But it usually has limited soil and water resources and is not suitable for farming or forestry. Still, rangeland has many special riches.

Cattle and sheep that graze on rangeland provide food, clothing and many other useful products. Minerals from rangeland give us fuel, construction materials and even medicine. Rangeland is a home for countless plants and animals, including rare and endangered species. The natural beauty of rangeland areas are also important in managing soil and water resources.

Rangeland is indeed rich with resources, but it is a fragile environment. We must carefully manage rangeland resources to maintain or improve their quality.

With careful rangeland management, we will always be able to enjoy a range of wonders."

If you or someone you know is interested, contact me here at OSU Extension, or call the SWCS directly at 1-800-THE-SOIL (843-7645), ext. 19.



"Major Choices"

sessions start 1/17/97

Kaleidoscope of Colleges & Cultures This event will be held on Friday, January 17th at Oregon State University

Sessions will cover "Major Choices" - information for students unsure of their career or major choice. Also attend challenging, interactive, small classes led by some of OSU's outstanding professors. Presentations will be made by professors from Agricultural Sciences and Forestry, Business, Engineering, Health, Home Economics and Education, Liberal Arts, and Science. Stop by the Extension office for registration forms right away!

Many uses for dated Christmas trees

by Carol Savonen

After Christmas, there are many useful things you can do with your used tree besides send it to the local landfill for burial.

First of all, don't burn it.

"Disposal of the tree by burning can be dangerous, particularly if you decide to burn it indoors in a fireplace or wood stove," said Ross Penhallegon, horticulture agent with the OSU Extension Service. "For safety, don't burn the tree at all. There are other ways to get maximum use out of a retired Christmas tree."

Penhallegon offers a few suggestions:
-Convert the tree into wood chips if you

have access to a chipper or mechanical tree grinder. Then use the chips as mulch around flowers and shrubs in the home landscape.

-Strip the boughs from the trunk and use them as a mulch around low-growing landscape plants.

-Put your tree up in the yard for the winter and hang treats for birds such as seed and suet balls, or pine cone ornaments coated with peanut butter and seed.

-Or, check with your local landfill and service groups for ideas. Some community groups pick up old Christmas trees for a small fee or accept them at drop-off points. Some disposal companies shred trees and use the material as mulch in public parks.

"How'd You Brake Your Arm?" will make you smile if not laugh

This story to sure enlighten your day.

"How'd You Brake Your Arm?"

Even if you aren't a skier, you'll be able to appreciate the humor of the slopes as written in this account by a New Orleans paper.

"A friend just got back from a holiday ski trip to Utah with the kind of story that warms the cockles of anybody's heart. Conditions were perfect, 12 below, no feeling in the toes, basic numbness all over, the "tell me when we're having fun" kind of day.

One of the women in the group complained to her husband that she was in dire need of a restroom. He told her not to worry, that he was sure there was relief waiting at the top of the lift in the form of a power room the female skiers in distress. He was wrong, of course, and the pain did not go away.

If you've ever had nature hit its panic button in you, then you know that a temperature of 12 below zero doesn't help matters. So, with time running out, the woman weighed her options.

Her husband, picked up on the intensity of the pain, suggested that since she was wearing all-white ski outfit, she should go off in the woods. No one would even notice, he assured her. The white would provide more than adequate camouflage. So she headed for the tree line and began to disrobe and proceeded to do her thing. If you've ever parked on the side of a slope, then you know there is a right way and a wrong way to set your skis so you don't move. Yup, you got it. She had them positioned the wrong way.

Steep slopes are not forgiving, even during embarrassing moments. Without warning, the woman found herself skiing back-

wards, out-of-control, racing through the trees, somehow missing all of them, and onto another slope. Her derriere and the reverse side were still bare, her pants down around her knees and she was picking up speed all the while. She continued on backwards, totally out-of-control, creating an unusual vista for the other skiers.

The woman skied, if you define that verb loosely, back under the lift and finally collided violently with a pylon. The bad news was that she broke her arm and was unable to pull up her pants. At long last her husband arrived, put an end to her nudie show, then went to the base of the mountain and summoned the ski patrol, who transported her to a hospital.

In the emergency room she was regrouping when a man with an obviously broken leg was put in the bed next to hers.

"So, how'd you break your leg?" she asked, making small talk.

"It was the darndest thing you ever saw," he said. I was riding this ski lift, and suddenly I couldn't believe my eyes. There was this crazy woman skiing backward out of control down the mountain with her bare bottom hanging out of her clothes and her pants down around her knees. I leaned over to get a better look and I guess I didn't realize how I'd moved. I fell out of the lift.

So, how'd you break your arm?"

Have a safe Martin Luther King, Jr. Holiday, from the OSU Extension staff!

Collage of Culture in final planning

by Norma L. Simpson

Since last May, the Collage of Culture Planning Committee has met six times at the Jefferson County Chamber of Commerce. The last meeting was January 7, and we all could see there's lots of work to do to get ready for the Event May 17, 1997.

Our next Collage of Culture planning date is February 3, from 6 to 9 pm. Everyone is welcome!

Two high school students, who worked in the last Collage, provided the teen perspective. They had great ideas, and volunteered to get more ideas for events especially of interest to the younger crowd. It would be great if we had some input from the teenagers from Warm Springs. One idea is a "One-on-Three" Basketball competition, another is a Graffiti Painting Wall competition, and another is a teen dance.

During last year's Collage of Culture, we surveyed people of all ages to see what we could do to make the event even better.

One request was for a lovely summer day - not too hot and not too cold.

We hope to have plenty of hot and cold drinks available to fit the weather we are dealt.

As always we can sell plenty of Fry Bread and huckleberry jam. Other traditional foods

would also be welcome, as well as other specialties. As before, the committee limits the number of vendors who sell items so that they do not compete with each other.

This year we will aim for 12 sponsored hot air balloons. The huge art tent we had last year will also be a spot for more local and regional art. If more Warm Springs artisans want to be involved, they can contact me and I will pass along their names to the three-member arts committee.

We agree that we will sell Squeeze Bottles and Tote Bags with the Collage of Culture emblem on them. Do you have any ideas that you would like to buy? We still have some of those great purple T-shirts with the colorful hot air balloons on them at the Chamber of Commerce office, but only medium and large sizes are available.

One idea was to have lawn chairs to rent. Anyone interested in that kind of concession?

Last year we estimated that 8000 people attended. The music was great, the dancing was wonderful, and the food was a reasonable price from breakfast to evening.

Mark on your calendar—COLLAGE OF CULTURE, Saturday, May 17, Friendship Park in Madras Oregon.

"Work for Justice! Make A Difference" theme for tribute

by Norma L. Simpson

This year the theme of OSU's 15th Annual Martin Luther King Jr. Tribute and Celebration, is WORK FOR JUSTICE! MAKE A DIFFERENCE!. Well we are a long way from the OSU, to participate in events of the Tribute on January 12-21, but we can pay a small tribute here in Warm Springs.

Some of King's quotes continue to ring in our minds as they affect all people. So I went to my files and a Christian Science Monitor

article by Keith Henderson to be correct with what he said that we hear over and over.

"I have a dream that my four little children will one day live in a nation where they will not be judged by the color of their skin, but by the content of their character." -Martin Luther King speech at the Lincoln Memorial March on Washington 1963.

Many of us have the same dream for the children in Warm Springs, in Madras and around the world.

Another quote was excerpted from his

acceptance speech for the Nobel Peace Prize only months before he was killed in Memphis.

"Nonviolence is the answer to the crucial political and more questions of our time; the need for man to overcome oppression and violence without resorting to oppression and violence...Man must evolve for human conflict a method which rejects revenge, aggression and retaliation. The foundation of such a method is love." -Martin Luther King, Jr. Norway, Nobel Peace Prize speech 1964.

STOCKMAN'S ROUNDUP: Why are hay prices so high?



by Bob Pawelek
OSU Livestock Agent

Higher feed prices and uneven forage quality continue to narrow the livestock producer's profit margins.

Why are hay prices so high?

Last winter's favorable pasture and range conditions resulted in an adequate forage

supply for the cattle inventory nationwide. But when dry conditions began to spread across large parts of cattle producing areas last summer, producers began to cull herds in reaction to reduced forage conditions and low cattle prices. Second-quarter cow slaughter was 40% above a year earlier.

Although forage conditions in most areas began to improve in July, cow slaughter, particularly beef cows, remained large. The average daily rate of cow slaughter in July was up sharply from a year earlier. Beef cow slaughter was up 48%, while dairy cow slaughter rose 10 percent.

A reduced beef cow herd and fewer heifers being bred this summer for next year's calf crop will result in a tightening feeder cattle supply in 1997 and tighter beef supplies beginning in 1998.

Higher hay prices are the result of reduced supplies across the country.

This may lead to additional culling of the breeding herd after the first-half calf crop is

weaned in late summer to early fall. USDA forecasts hay production at 149 million tons in 1996, down 5% from the very large 1995 harvest. Alfalfa hay, which is normally harvested several times during the growing season, is forecast down 5 percent.

Other hay, mostly grass - normally harvested only once a year - is forecast down 2 percent.

The farm price of hay is already rationing the tighter supply of grass hay, which is a critical component of the winter forage supply for the beef cow herd.

Nationwide, the price of alfalfa averaged \$92.90 a ton in July, up from \$89.60 a year earlier. The price of other hays increased sharply to \$76, up from \$64.20.

There is still hay out there to be bought, but it won't be cheap. I spoke with brokers in the Columbia Basin and in the Fort Rock area just this morning, and if you can find feeder alfalfa at \$100 in the barn, you had better not look much farther for a better deal.

JANUARY

Garden hints from your OSU Extension Agent

- In sunny eastern Oregon, wrap or paint young tree trunks to prevent sunscald.
- Send for FS 246, *Constructing Cold Frames and Hotbeds*.
- Reapply mulches that may have disappeared during winter months.
- Check with local retail garden or nursery stores for seed and seed catalogs, and begin planning this year's vegetable garden.
- Have soil test performed on garden plot. See your county Extension office for a list of laboratories.
- *Western Oregon:* where soil is well-drained and workable, plant peas and sweet peas. Suggested varieties: Corvallis, Dark Green Perfection, Green Arrow, Oregon Sugar Pod, Snappy, Knight, Sugar Snap, Oregon Trail, Oregon Sugar Pod II.
- Too early to start seeds for vegetable transplants.
- Spray cherry trees for bacterial canker; use a copper fungicide with a spreader-sticker.
- Gather and store scion wood for grafting fruit and nut trees. Wrap in damp cloth or peat moss and place in plastic bag. Store in cool place.
- Plant deciduous fruit and shade trees.
- *Mid-January:* second spray of peach trees with approved fungicides to combat peach leaf curl.
- Take hardwood cuttings of deciduous ornamental shrubs and trees.
- Water landscape plants underneath wide eaves and in other sites shielded from rain.
- Watch for field mice damage on lower trunks of trees and shrubs. Control measures include approved baits, weed control to remove hiding places, and traps.
- Moss appearing in lawn means too much shade, poor drainage, low fertility, soil compaction, or thin stand of grass.
- Dormant sprays of lime sulfur or copper fungicide on roses for general disease control.
- *Western Oregon:* gather branches of quince, forsythia, flowering cherries and bring inside to force early bloom.
- Place windbreaks between cold, drying winds and foliage of landscape evergreens to prevent "windburn."
- Monitor houseplants for correct watering, feeding; guard against insect infestations, clean dust from leaves.
- If moss and lichen on trees and shrubs are objectionable, they can be treated with copper fungicide this month.
- Prune holly and other stickery or thorny plants while it is convenient to wear heavy clothing and gloves.
- Prepare and store potting soil in clean containers.
- Propagate split-leaf philodendrons and other leggy indoor plants by air-layering.
- Plant some dwarf annual flowers for houseplants: coleus, impatiens, seedling geraniums.

OREGON STATE UNIVERSITY EXTENSION SERVICE