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Decline of TB Slows Because of Immigration

TB is declining in the United States. But, because of a recent influx of refugees, the TB rate here is declining slower than it has in a decade. Last Year, a total of 107,444 Indo-Chinese refugees were admitted to the United States. Among the refugees, many of them suffered through unbelievable hardships and unhealthful conditions, the rate of TB was 926 per 100,000. For Americans, the tuberculosis prevalence rate is 35 per 100,000.

As a result, in 1979 the U. S. experienced only a 3.8 percent annual drop in the number of new TB cases—the smallest rate of decline since 1970. If cases of TB occurring with in the refugee population are excluded the rate of decline is over 6-1%. While only 15 percent of the total U. S. population shows a positive reaction to tuberculin skin tests which indicates they are infected with the TB germ—at least half of the Indo-Chinese refugees were infected.

According to the American Lung Association, among those infected, the disease may develop within weeks after the initial infection or many years later. Or not at all. The risk of developing TB for the newly infected person is about 4 percent per year for the first one or two years following infection. The likelihood that the disease will develop diminishes at the time from infection lengthens. But the untreated, infected person carries the risk of developing the disease for his or her lifetime.

Refugees from various countries—including Cuban refugees who have a much lower TB rate than the Indo-Chinese—are being screened so those with the disease can be treated. Those infected with the germs can take medication to prevent becoming ill with TB.

To find out more about TB and other lung disease, contact your local American lung association, the Christmas Seal people. It's a matter of life and death.

Regional Workshop In Agricultural Education Set for October 8-10

Marlene Fritz

Assistant Agriculture Editor
Moscow—About 75 agricultural education majors and teachers from 15 western universities are expected to attend the 1980 Far West Collegiate FFA/Agricultural Education Workshop Oct. 8-10 at the UI and WSU.

Co-sponsored by the UI collegiate chapter of the Future Farmers of America and the WSU Agricultural Education Club, the conference is attracting participants from Arizona, California, Colorado, Idaho, Montana, New Mexico, Oregon, Utah, Washington and Wyoming.

It is the first of its kind to be held in the Western region.

According to workshop co-director Rick Foster, an assistant professor of agricultural education organizations in helping their members become more effective vocational agriculture teachers and FFA advisors.

Registration is free. For more information, contact Foster at the Department of Agricultural Education, 111 Ag Science Building, UI Moscow, ID 83843, phone 885-6358. Financial support for the conference is provided by the Carnation Company, The Stuart Foundation and the National Association of the Future Farmers of America.

Idaho Residential Building Slumps Again, Says Bank

The pace of residential construction in Idaho in August slipped backward following the modest improvement recorded in July said, James Hoogland, Jr. and Roselle Robinson, managers, quoting the August Idaho Construction Report, a publication of First Security Bank of Idaho, N. A. The report, edited by Dr. Kelly Matthews, vice president and chief economist for First Security Corporation, will be distributed this week.

Mortgage rates continued to increase in August, and in most instances are currently being quoted in the 13½-13¾ range. These increased mortgage rates reflect primarily the previous strong demand for funds in the bond market and renewed fears regarding the future trend of inflation. Consumer acceptances of mortgage rates in excess of 13 percent will likely remain hesitant. Mortgage rates are not expected to vary significantly from present levels until the future trend of inflation becomes more clearly defined.

Total construction value for authorized building permit construction in 64 major Idaho locations in August was \$4,105,891 or 21.9% below 1979. New residential construction for 529 dwelling units totalled \$20,587,163 a decrease of 35-8 percent in numbers and a decrease of 24.7 percent in value compared with a year ago. Nonresidential construction valued

LEGAL NOTICE

NOTICE TO CREDITORS IN THE DISTRICT COURT OF THE SECOND JUDICIAL DISTRICT OF THE STATE OF IDAHO, IN AND FOR THE COUNTY OF LATAH

Case No.16109
In the Matter of the Estate
of
WINNIE LILLIAN BAKER,
Deceased.)

NOTICE IS HEREBY GIVEN that the undersigned has been appointed personal representative of the above named decedent. All persons having claims against the decedent or her estate are required to present their claims within four (4) months after the first publication of this notice on September 18, 1980, or said claims will be forever barred. Claims must either be presented to the undersigned at the law office of Frank V. Barton, 622 Main Street (P. O. Box 573), Lewiston, ID 83591, or filed with the Clerk of the Court.

FRANK V. BARTON, Personal Representative
c/o Frank V. Barton
P. O. Box 573
Lewiston, ID 83501

Frank V. Barton
Attorney for Personal Representative
622 Main Street
P. O. Box 573
Lewiston, ID 83501
743-4471

pub. 31 Sept. 18, 25; Oct. 2, 1980

Good Intentions Can Harm Wild Birds

by Kristi King and Sunni Freyer
WSU College of Vet. Medicine
Moscow—Home for a wide-eyed, six-inch saw-whet owl is now a holding facility at Washington State University's Small Animal Hospital, much to his keeper's sorrow.

The owl is free and food is plentiful, but the owl can now only fantasize about being aloft, soaring across unrestricted skies. As the result of last resort surgery, he has only one wing.

This is just one of the tragedies that can happen when unqualified persons try to treat injured or sick birds found in the wild, according to UI Associate Professor Erik Stauber, a bird specialist who teaches in the clinic at WSU for the WOI—(Washington, Oregon, Idaho) College of Veterinary Medicine.

"In the case of this particular owl, someone has tried to repair a broken wing. The bird developed infection and by the time it was brought to WSU for treatment the only alternative that remained was amputation," Stauber said.

The kind-hearted intentions of people who attempt to treat and care for birds they find in the wild almost always result in irreversible complications.

Stauber says many people don't realize the risks involved in attempting to treat wild and migratory birds. Aside from jeopardizing the bird's chances for recovery, federal law requires a license for anyone treating, transporting or rehabilitating sick or injured migratory birds.

In effect, since 1975 the law carries severe penalties. According to the U. S. Fish and Wildlife Service's Division of Law Enforcement the penalty for holding migratory birds can be up to \$500 in fines and six months in jail.

At \$13,329,048 was up 16.7 percent above last year, while alterations and repairs totalling \$7,209,680 were down 46.7 percent.

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KENDRICK, IDAHO

lant for the Idaho Dairy Council. "There is nothing wrong with foods such as steak, however, most nutritionists agree that an overabundance of protein can do more harm than good," adds Ms. Smith.

Once the body has received the amount of protein recommended for regular maintenance and repair, 56 grams daily for men and 44 grams daily for women, an excess will increase the need for water. The process of protein breakdown requires water for excretion. Also, each gram of protein retained in the body as muscle needs three grams of water for its composition. Besides the feeling of thirst that goes along with this increased need for water, the individual may experience over-heating and stress to the circulatory system if he does not drink enough liquid.

"The best diet for athletes, as for the rest of us, comes from eating a variety of foods, not merely those that are top-heavy in protein," recommends Ms. Smith. An optimum diet would include an adequate supply of water, calories, protein, fats, carbohydrates, vitamins and minerals. No magic. No trick diet or special foods. Just good solid nutrition.

Tag, Stamp, Sales Near Closing Dates

The Department of Fish and Game reminds hunters of the annual cutoff dates that affect the general sale of deer and elk tags and archery and muzzle loader stamps.

Regulations set midnight, Sept. 30 as the cutoff dates for deer tags in the ten northern counties and midnight October 14, as the deadline in the remaining counties. General sale of Panhandle elk tags was scheduled to end at midnight, Sept. 24.

Department offices will continue to sell deer and elk tags, archery and muzzle loader stamps directly or by mail to youngsters who become 12 years of age following the deadlines, as well as persons who have established six-month residency and Idaho servicemen and servicewomen on leave.

Other hunters may purchase deer and elk tags through a department office after the cutoff but it will be unlawful to use the tags until the second day following issuance.

The more sand has escaped from the hourglass of our life, the clearer we should see through it.

Jean Paul



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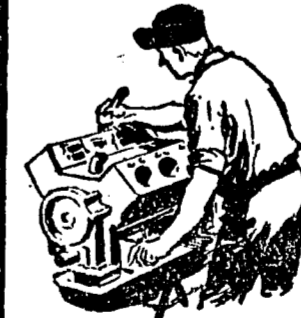
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Published every Wednesday (dated Thursday) and entered as second class matter at the Post Office in Kendrick, Idaho 83537 and Genesee, Idaho 83832, Latah County, under Act of Congress of March, 1879. The Official Newspaper of Genesee, Kendrick and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

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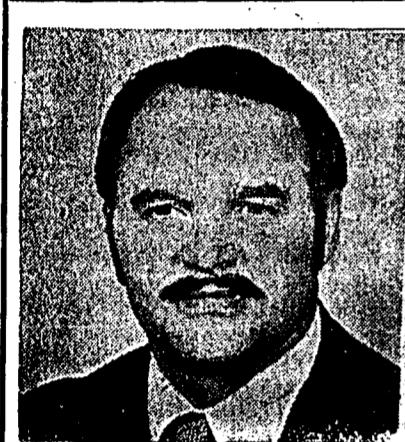
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Latah Job Picture

According to Phyllis Dunn, Moscow local office manager for the Idaho Department of Employment, the following jobs are currently open—electrical supplies sale, office manager, cashier, hair stylist, day care attendant, maid, laundry worker, sales person, farm machine operators.

There are currently 165 claims on file for unemployment benefits in Latah County, compared 231 last wk. Area totals are Moscow 102, compared to 122 last week; Troy-Deary-Bovill 34, 75; Kendrick, 1-2; Genesee 6,3; Potlatch-Princeton 22, 29.

"It is the beautiful bird that gets caged," Chinese proverb.



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Rural Women to Get Information on Returning to School

Moscow—Rural women in Idaho and Washington who need information about re-entering college and the job market may receive some close-at-hand help soon.

Beginning in January 1981, rural women will be able to attend workshops in their own towns to obtain educational information on updating and the National Association of the turning to school.

The workshops will be offered by Washington State University in Pullman in cooperation with the UI in Moscow and Lewis-Clark State College in Lewiston under a \$47,000 grant from the Fund for the Improvement of Post-Secondary Education. The grant was awarded to the Women's Studies Program at WSU to be shared by these and other institutions over a period of two and a half years.

During the program, information workshops will be offered in towns in the region and will provide information on obtaining financial aid and what college programs are available to meet specific career needs. Other topics will include career-guidance and emotional support for the women who want to re-enter college after having been away for awhile.

Another part of the program will focus on the women once they are on campus.

For instance, a woman who has been a homemaker and farm manager but who has been widowed or divorced or whose children have left home may find herself needing to retrain herself for some other work, according to Alynne Hannaford, director of the UI Women's Center, who will be coordinating re-entry program at UI.

This rural woman will most likely need some information on what she could do with the background knowledge she already has, as well as some confidence-building, since she has been away from school and since the majority of the student body is much younger, Hannaford explained. The Women's Centers at these institutions also will offer on-campus programs to help these women deal with coming back to school, Hannaford said.

"A lot of rural women have already begun to return to school and a lot are finding their way to the UI Women's Center," Hannaford said. Hannaford anticipates offering special orientation sessions for women once they are on campus, as well as ongoing support groups.

Information may also be obtained by contacting the WSU Women's Studies Program and the Office of Programs for Women at (509) 335-1565; the UI Women's Center at (208) 835-6166 or the Women's Programs Office at Lewis-Clark State College in Lewiston, (208) 746-2341.

Fall Steelhead Season To Open September 27

The Fish and Game Commission has approved catch-and-keep fall steelhead seasons for the Salmon & Clearwater rivers and a portion of the lower Snake with the most liberal bag and season limits since 1975.

September 27 is the opening date for the Salmon River and the lower Snake between Hells Canyon Dam and Dug Bar. The Clearwater and its North Fork, limited to catch-and-release steelhead fishing during the fall since 1978 will start with the same restriction September 27, then go to catch-and-keep October 18.

Daily bag limit is two steelhead, with a possession limit of four. In 1975, limits were two, two and ten. Commissioners were told by the Department of Fish and Game's bureau of fisheries that the projected count at Ice Harbor Dam—at least 35,000—will be enough to allow the seasons.

The run of group A steelhead, those that return to the low Snake and Salmon rivers, increased enough in late August to virtually assure a season on these waters, according to Stacy Gebhards, fisheries bureau chief.

A department of recommendation was delayed, however, until later dam counts allowed a better assessment of the group B steelhead that enter the Clearwater system following the A run, he said.

"Our personnel will monitor the harvest and other conditions and recommended closures or modifications if they appear to be needed," Gebhards said.

Here are the regulations:
Salmon River—September 27 thru December 31 from its mouth upstream to the mouth of Redfish Lake Creek, catch-and-keep.

Clearwater—September 27 thru October 27, catch-and-release from the Clearwater River arm of Lower Granite Reservoir upstream to the bridge at Orofino. Catch-and-keep October 18 thru December 31.

North Fork Clearwater—September thru October 17, catch-and-release from its mouth to 300 feet below Dworshak Dam. Catch-and-keep October 18 thru December 31. The perimeter around Dworshak National Fish Hatchery remains closed to all fishing.

Snake River—Catch-and-release September 27 thru December 31 from the Snake River arm of Lower Granite Reservoir upstream to Dug Bar. Catch-and-keep September 27 through December 31 from Dug Bar upstream to 400 feet below Hells Canyon Dam.

A permit is required for all steelhead fishing and it must be validated immediately to show date, month and location of catch. Catch-and-release fishing is restricted to single,

Vada Olivia McAllister, 94, Juliaetta, Passes

Vada Olivia McAllister, a Juliaetta resident for 45 years, died Monday at the Latah Convalescent Center, where she has been a patient since 1969. She was 94.

Mrs. McAllister was born to Geo. and Mahaley Rowe at Hutton Valley, Mo. on April 28, 1886. She married William McAllister. He preceded her in death.

She was a member of the Juliaetta Nazarene Church and the Veterans of Foreign Wars Auxiliary.

Mrs. McAllister is survived by 3 daughters, Mary Hope of Kirkland, Wa.; Peggy Bolcerek of Stockton, Ca.; and Pauline Bigge of Lexington, Kan.; three sons, Chester of Mesa, Ariz.; Jessy and Thomas, addresses unknown. 10 grandchildren and nine great grandchildren.

The funeral was Wednesday at 2 p. m. at Short's Funeral Chapel in Moscow. The Rev. Hal Perkins officiated and burial following at Moscow cemetery.

Anglers Asked to Release All Wild Steelhead

Anglers who check the printed regulations or Idaho's fall steelhead season will see a familiar request—"if it's wild, let it go."

The recommendation is meant to protect steelhead that are returning to natural spawning grounds and it applies especially to wild fish hooked during the catch-and-keep seasons.

Wild steelhead are identified by their dorsal fins with straight rays. Some hatchery-produced steelhead have dorsal fins with bent or crooked rays and other have dorsals that appear to have been clipped.

Catch-and-release fishing requires considerable care if the steelhead is to be returned to the water unharmed and the regulations list the following procedures:

1. Do not squeeze the fish.
2. Do not touch the gills or hold the steelhead by its gill covers.
3. Leave the fish in the water while removing the hook. If the hook cannot be cleared easily, cut the leader as a last resort and release the fish.
4. If the fish is exhausted, hold it in an upright position and gently move it back and forth in the water until it is able to swim away. Limit excessive handling and avoid removing the steelhead from the water.

Catch-and-release seasons will also be in effect this fall and all steelhead caught in those waters must be immediately released unharmed.

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Grazing Rights — Larry Craig understands the cattle industry. "The current BLM proposal to cut grazing rights almost in half is another example of the government doing exactly the opposite of what's really needed to strengthen the economy," Craig says.



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14 REASONS

WHY THE FRANK CHURCH VOTING RECORD ON DEFENSE IS INDEFENSIBLE.

In Idaho, Frank Church says he is for a "strong, intelligent defense." But in Washington he has voted to cut over \$50 billion from defense budgets. Is Frank Church really a "friend" with that record? Fortunately, 43 of his 49 votes to cut America's defense were rejected by his Senate colleagues.

Would you have voted for these cuts in America's military strength?

- 1964** To cut defense appropriations by \$1.9 billion. Rejected... 5 to 78. Frank Church voted to cut! — Congressional Quarterly: July 31, 1964, p. 1003
- 1966** To cut research and development funds for defense by \$500.5 million. Rejected... 18 to 69. Frank Church voted to cut! — C. Q.: Aug. 26, 1966, p. 1878
- 1968** To cut funds for the Sentinel ABM System. Rejected... 25 to 45. Frank Church voted to cut! — C. Q.: Oct. 4, 1968, p. 2888
- 1971** To terminate the Navy's F-14 jet fighter program. Rejected... 28 to 61. Frank Church voted to cut! — C. Q.: Oct. 2, 1971, p. 2059
- 1972** To cut \$3.7 billion from defense appropriations. Rejected... 28 to 46. Frank Church voted to cut! — C. Q.: Oct. 14, 1972, p. 2876
- 1973** To cut the entire \$21.2 billion dollar budget for defense procurement, research, and development. Rejected... 12 to 69. Frank Church voted to cut! — C. Q.: Nov. 10, 1973, p. 2998
- 1973** To cut \$92.4 million to develop the Air Force A-10 combat support aircraft. Rejected... 20 to 64. Frank Church voted to cut! — C. Q.: Sept. 29, 1973, p. 2813
- 1974** To cut funds for development of a submarine launched cruise missile. Rejected... 18 to 61. Frank Church voted to cut! — C. Q.: June 8, 1974, p. 1526
- 1975** To cut funds for development of a submarine launched cruise missile program. Rejected... 16 to 72. Frank Church voted to cut! — C. Q.: June 7, 1975, p. 1191
- 1975** To delete all funds for the development of the Navy's F-18 combat fighter. Rejected... 19 to 64. Frank Church voted to cut! — C. Q.: Nov. 22, 1975, p. 2561
- 1976** To cut the defense budget by \$1 billion. Rejected... 27 to 63. Frank Church voted to cut! — C. Q.: Aug. 7, 1976, p. 2180
- 1976** To cut funds for lance missiles. Rejected... 15 to 62. Frank Church voted to cut! — C. Q.: Aug. 14, 1976, p. 2233
- 1978** To cut the defense budget by \$1.2 billion. Rejected... 11 to 75. Frank Church voted to cut! — C. Q.: Oct. 7, 1978, p. 2785
- 1979** To cut \$2.1 billion for a 4th Nimitz-class nuclear powered aircraft carrier. Rejected... 20 to 70. Frank Church voted to cut! — C. Q.: Nov. 10, 1979, p. 2564

14 VERY GOOD REASONS WHY AMERICA'S FOREIGN POLICY IS IN DISARRAY.

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Of Kendrick Local News

Ernie and Jean Brammer were Friday evening dinner guests of John and Rosalie Blankenship at a restaurant in Moscow.

the weekend. Myrtle Mael and Sue Craig accompanied Ron and Carol Craig of Lewiston to the Clearwater County Fair at Orofino Sunday.

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Institute of Museum Services Awards \$17,790 Grant To Latah Hist. Museum

For the second year in a row, the Latah County Historical Society has received an Institute of Museum Services grant to support its general operations. The Institute was created by Congress in 1976 to support the nation's museums with a program of grants.

The Society received \$17,790 which will be used to hire two half-time curators to care for the growing collection of museum artifacts. The two people to be hired are Diane Becker, currently serving as the Society's curator.

Park for a pot luck dinner and birthday cake. The occasion was the observance of the birthday anniversaries of Frances Crawford and Mike Laverty.

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Gerald Schultz, Former Area Resident To Be Buried Friday

Gerald Schultz, a resident of Stockton Calif., for the past 18 years, will be buried at Memorial Gardens in Lewiston following his funeral Friday, Sept. 26, at 2 p. m. in the Grace Lutheran Church.

day, Sept. 26, at 2 p. m. in the Grace Lutheran Church. Mr. Schultz died Sept. 19.

He was born in Cameron in May of 1927, the son of Albert and Meta Schultz. He was a nephew of Mr. and Mrs. Leonard Wolff. He was also a veteran of the U. S. Coast Guard.

some who opposed the recent override election seemed to believe was possible. Education preservation and research are ongoing activities, and cannot be halted for a year without devastating effects.

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Volume 3 — Number 12

Sept. 25, 1980

CHRONICLE

SUPPLEMENT TO:

Cottonwood Chronicle
Lewis County Herald
The Gazette-News

A MONTHLY PUBLICATION

Serving Agriculture

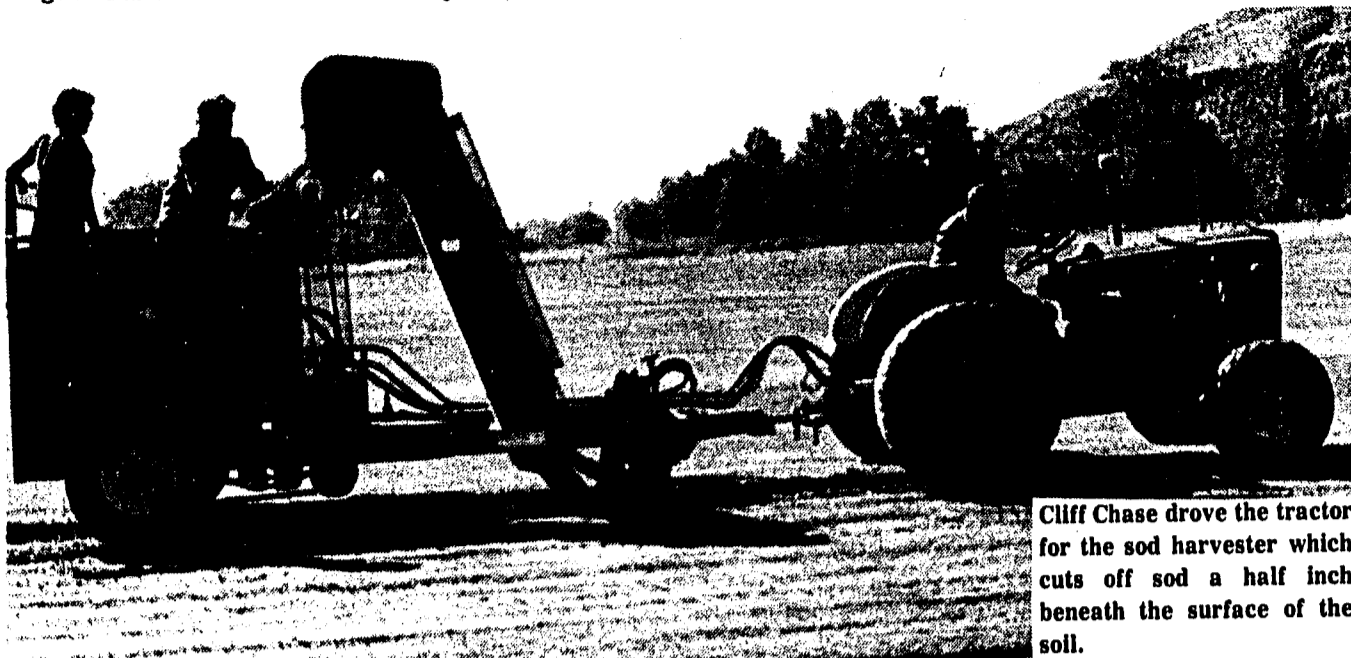
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Grangeville woman weaves wheat stalks

Lapwai farmer grows instant lawns



It's been a good year for most farmers in the area as symbolized by the mounds of wheat on the ground at the Port of Lewiston. Yields are from good to excellent and prices seem to be holding. (Photo by Susan Tiede.)



Cliff Chase drove the tractor for the sod harvester which cuts off sod a half inch beneath the surface of the soil.

Instant lawns are his speciality

By Susan Tiede
How would you like to have 18 acres of "lawn" that needs mowing 3 times a week and fertilizing 5 times a year.

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Cliff Chase of Deary has that situation with his Tuff Turf Sod Farm near Lapwai. He is also planning to add 36 more acres near Cherrylanes this year.

This is Chase's third year growing instant lawns across Lapwai Creek from Highway 95 north of Lapwai.

He started his sod farming a year earlier in Tammany, but moved the operation to Lapwai because of the depth of topsoil and the creek for water.

When the sod is cut for a lawn, a half inch of topsoil goes with it. The top soil along Lapwai Creek is about 3 feet deep.

"Either you buy the land or rent it from someone who doesn't mind losing their top soil."

A lot of work and time is the key to the sodfarming business, he said.

"It takes a lot of knowledge to raise the grass and get it sodded in 12 months. A lot of watering, mowing, fertilizer and weed control at the right time go into it," he said.

It's a whole different ball game than farming except for the initial cost of specialized equipment being quite high, he added.

Chase lived at Deary but had a manufacturing firm in Moscow before starting the sod farms. He took agronomy courses at the U of

I, and worked on a sod farm in Oregon before he started his own business. No one here raised sod, so he thought he would start up the business here.

They can harvest a sod crop in 7 months if they use a special plastic net. The entire field can be covered with 10 foot wide sections of net.

Grass grows up through the 1 1/4 inch by 5/8 inch holes in the netting and it holds the grass together for moving.

Chase raises a 3 variety mixture of Kentucky Bluegrass—50 percent Glade, 25 percent Delphi and 25 percent Barron. He plans to start seeding at Cherrylanes in 2-3 weeks and will be planting Bonnie Blue and Delphi.

He gets his seed from Jacklin Seed in Rathdrum.

There are 43 varieties of bluegrass and the Camas Prairie grown varieties aren't the right ones for Chase's operation.

Ground preparation for seeding is a time consuming process. It has to be worked so the weed seeds germinate then it is sprayed with Roundup for weed control.

They also spray a 2 foot-strip around the edge of the field to keep the weeds out, but "there's still weed seeds in the soil," Chase noted.

After the ground is sprayed, it is worked again. It's worked 5-6 times with a disk and harrow before it is smoothed with a plane, harrowed again, seeded and rolled.

It takes about a month to complete the process after one sod crop is harvested and the next planted.

Chase had 6 acres of grass smothered by Mt. St. Helens.

"We'd just seeded it the week before the eruption and the ash damaged the small grass plants and we had to reseed."

complete watering the entire field once by moving the irrigation pipes every 12 hours.

The water and fertilizer programs help eliminate weeds plus the weed sprays.

"When we deliver a lawn, it doesn't have weeds. Often improper ground preparation leaves weed seeds to grow up through the sod," he said.

Lawns are only as smooth as their base, he stressed.

"In about 2 hours, you can have a fully installed lawn," he said. "It takes about 2 weeks for it to be rooted in and we recommend mowing after that."

They install the sod, deliver it or customers can pick it up at the farm for 10 cents a square foot.

The installed cost is 13 cents. The boundaries of his sale area are Colfax on the north, Grangeville on the south, Pomeroy to the west and east to Missoula.

When getting an order ready to ship, Chase uses a special sod harvester which cuts off the sod about a half inch below the soil surface.

A conveyer type chain runs the 20 inch wide piece of sod up into a platform where it is stacked on pallets. The machine cuts it into 40 inch long strips.

The entire pallet of sod is moved by forklift either to their semi-truck or the customer's vehicle.

In October, the grass will be going dormant until April, but "we can cut sod until the ground freezes," he said.

Any sod that isn't sold is carried over to the next year.

He figures to have about a 5 acre carryover this year.

"The building industry is

The field has very few stones. "We pick up those we find and the roller on the seeder also puts them below the sod level."

It had been a grain field before Chase turned it into a sod farm.

Close attention is paid to every phase of the operation. Chase figures a minimum of 60 hours per week to keep the grass in condition and more during the busy spring season.

Two full-time employees mow, water, cut and install sod. Right now, Gayle Sander is his right hand gal.

They water 24 hours a day, but Chase cautions home owners against doing the same with their mature grass stands.

It is better to water lawns early in the morning so any water over what the ground can absorb evaporates.

It takes 5 days for them to

down and has hurt the sod industry," he said.

Despite many of the orders being from newly built homes, some people replace their current lawns with sod.

Some do their lawns a section at a time. He figures an average yard costs about \$200 for instant lawn.

Tuff Turf also has a fellow business which does lawn care. Green Thumb Professional Lawn Service

(Continued to page 4)

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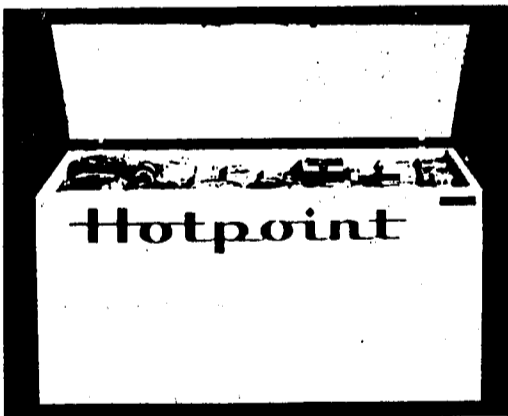


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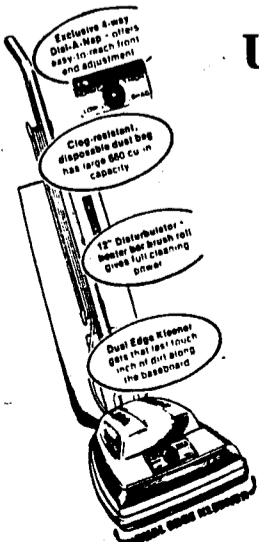


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A pallet of sod was loaded for a customer at Lapwai by Cliff Chase.



Babe Ruth began his baseball career as a pitcher.

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Green Grass . . .

Cont. from pg.2

cares for home, school and cemetery lawns on an annual contract.

"People don't know when to apply fertilizer and weed control which is what Green Thumb does."

He also does football fields for Deary and Troy. Tuff Turf has installed a football field, too.

LAWN CARE TIPS

Chase also had some lawn care tips for home gardeners.

Fertilize in the spring, about August and then in late September or early October.

He uses a fish base organic fertilizer which doesn't have any salts in it.

"We don't have to take up the grass clippings. The micro organisms eat them up."

Lawns should be left at least 2 inches long, but never

should more than 1-3 of the length of the blade be cut off. Short lawns enhance disease and weeds plus taking more water.

Chase uses a 7 gang reel mower.

"It cuts the grass off sharp. Rotary mowers bruise it and turn the ends brown."

If you want the carpet effect, water in the early morning so the sun evaporates the water the ground can't absorb. Morning watering makes a stand up blade.

Never water at night. Any excess water will sit at the base of the blade and weakens it then it lays over and is spindly.

With all Cliff's knowledge on growing a lawn, who takes care of Chase's lawn south of Deary?

His wife Darlene. He doesn't have time.

CHANGES URGED IN BRUCELLOSIS PROGRAM

Idaho beef cattle raisers and dairy producers should support two changes being considered in the national brucellosis eradication program, said University of Idaho Extension Veterinarian Richard F. Hall.

Hall, stationed at the UI Veterinary Research Laboratory at Caldwell, said that reducing the dosage of Strain 19 vaccine to one-fifth will slash the incidence of false positive tests for brucellosis, also known as Bang's disease, without diminishing the effectiveness of the vaccine.

At the same time, raising the official age of calthood

vaccination to 4 to 12 months will give cattle ranchers and dairy farmers a few more months to locate and immunize their animals.

This age change is possible only if the dosage is reduced, Hall said, since it takes animals more time to "clear" of the present dosage, necessitating their immunization at an earlier age.

State law now requires vaccination of any breeding heifers born after July 1 and any breeding stock brought in after that date. Dairy breeds must be vaccinated between 2 and 6 months and beef breeds between 2 and 10 months.

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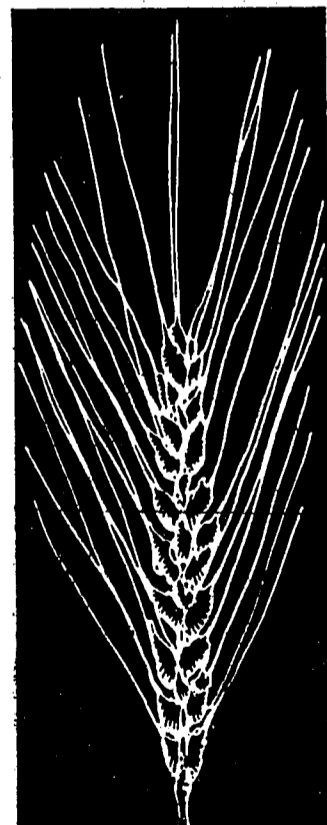
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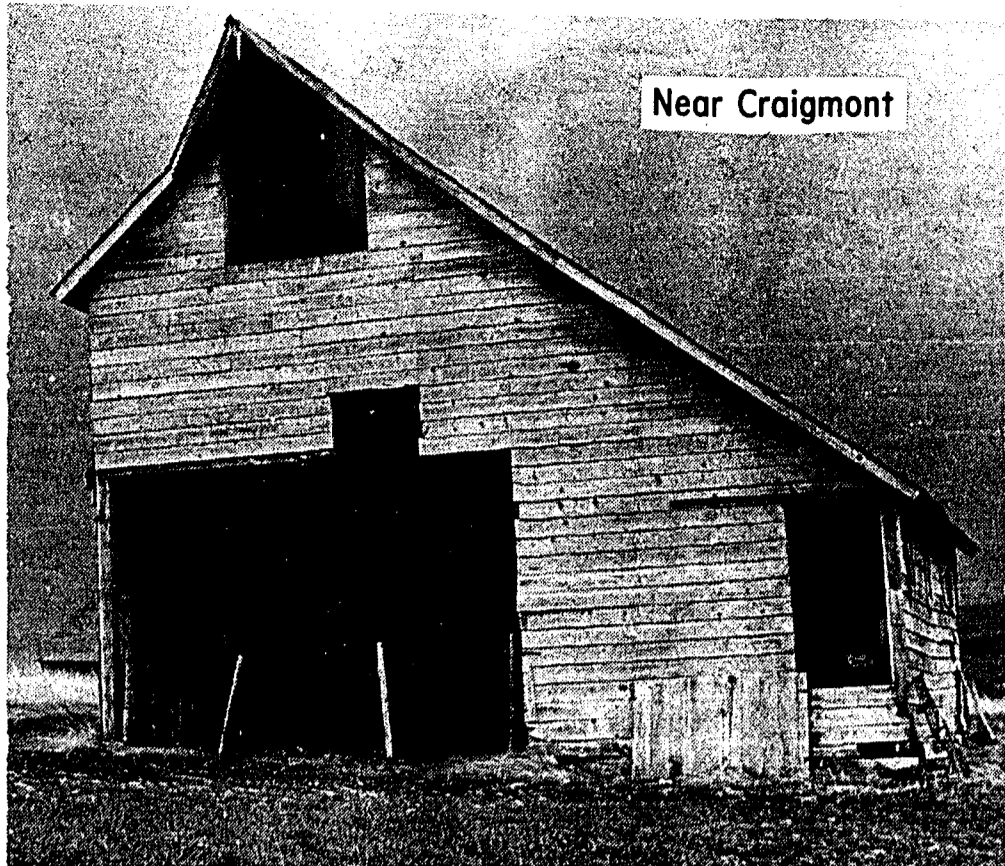
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Dogs Protect Sheep

Researchers at the University of Idaho and U.S. Sheep Experiment Station at Dubois are experimenting with two special breeds of dogs to see if they can keep coyotes and bears away from sheep.

The breeds are the Great Pyrenees and the Hungarian Komondor, both of which instinctively have a guarding behavior.

They have been bred for centuries to protect European livestock from wolves and other predators, according to Dr. Jeffrey Green, research wildlife biologist with the U.S. Department of Agriculture

and the Science and Education Administration, working at the Sheep Station.

Livestock losses in the U.S., due mainly in the West to predation by coyotes, amount to millions of dollars annually and the USDA is constantly looking for effective, non-lethal means of predator control, Green said.

One recent report said Montana last year lost 232,000 out of 800,000 sheep to predators.

Past attempts at predator control, both lethal and non-lethal, have ranged from surrounding flocks by electric fences to trapping or poisoning predators to

shooting them from the air.

Besides the guard dog experiments, researchers at the sheep station have looked into use of repellents, coyote reproductive inhibitors, special kinds of fences and other environmentally acceptable, non-lethal means of coyote control.

The station has over 150 coyotes in pens and does nutrition and reproductive studies on them as well as control experiments.

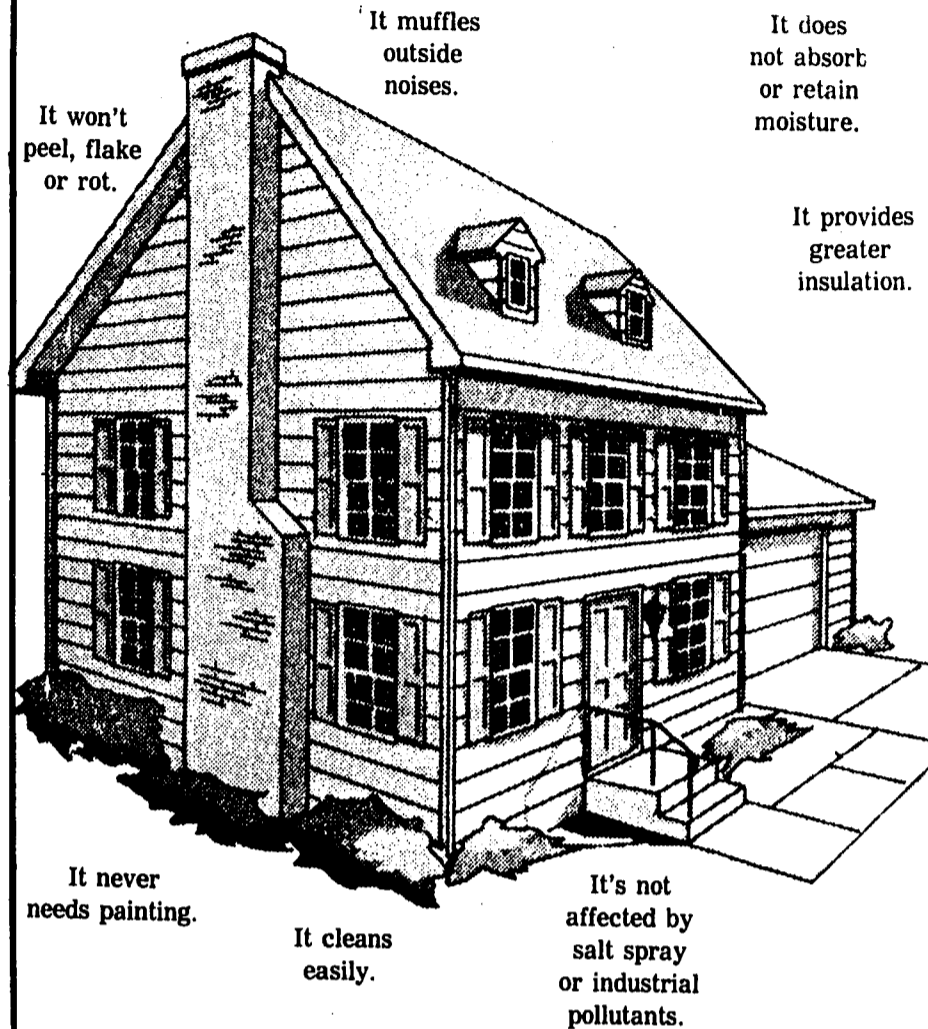
These control means, some of which are still under study, are effective in some cases, but not all.

It will be several years before researchers will know for certain whether the dogs will be a competent and economical means of repelling predators, but Green said they look promising.

If successful, they may allow sheep and coyotes to coexist successfully in the same range.

About 30 dogs, mostly Komondorok, have been used and trained in the predator program so far. The researchers have found and rejected several individual dogs whose temperaments were unsuited to guarding sheep effectively, Green said.

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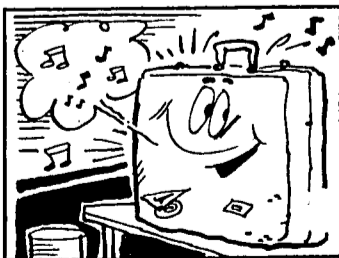
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One of the first portable radios, the Burndept Ethophone V Portable of 1923, was designed to resemble a suitcase when not in operation.



This group is traveling by horseback from the Canadian border to Mexico. Farm and Ranch reporter Susan Tiede spotted them near the Craigmont area.

5 Riding Horseback from Canada to Mexico

By Susan Tiede
Five horsemen and 10 horses passed through the area last week on their way to Oregon.

They left Tonasket, Wash., near the Canadian border July 2 and plan to stop in the Eugene, Ore., area for the winter. "We then plan to go to Mexico for now," Teresa McHugh said.

Teresa and Kim Hart and Chris Freewind are the group's adults and Menkin, 1½, is the youngest. Leif, 7, sometimes tires of the riding and will run along side.

"It's a practice run, we want to go to South America some day.

"We like to travel and were at one border and

wanted to ride to the other," McHugh said.

They plan to pasture the horses in the Cottonwood area while they go back to Tonasket to pick fruit to support their venture.

They also have picked pine cones for the forest service and hayed to help support their travels.

"We work a couple days at short jobs. We take any work in our path to contribute to our life style," Chris said.

"We've had good experiences with the local folks. They've been really hospitable. It has been a real enlightenment. We didn't know what we'd find," Chris said.

"We're keeping a journal

of our travels in case we ever want to write a book," Kim said.

The only saddle sores, so far, have been on the horses, but they haven't had much trouble there either, Teresa said.

The group has 10 horses, 4 riding, 4 packing and 2 foals, one of which is for sale.

They had all ridden a lot before starting out. Chris had some experience with long range travel and packing. He once had a burro and packed 500 miles.

The horses are a bit of everything—Appaloosa, Arab, Morgan, Quarter Horse and mustang. Some they've had 6 years and others they raised.

They ride a variety of saddles—a McClellan Cavalry saddle, a Mexican saddle and two western saddles.

They carry tepees and tarps and haven't gotten wet, so far.

They've covered about 500 miles traveling 10-12 miles per day. Most of their routes have been on dirt roads and national forest lands. They try to miss towns. The only reason to go to towns is for supplies and grain for the horses.

They entered Idaho at Post Falls, went down the west side of Coeur d'Alene Lake, and down the St. Maries River to Fernwood.

They had to sell one mare at Clarkia and bought another before traveling through the National Forest land to Orofino.

They traveled on to the Nezperce area and stayed with "Thompsons" before starting off toward Cottonwood.

"We've had a good time.

It's an easy way to travel," Chris said. "It's slow and close to the country and it's a self sufficient way to travel," Kim added.

"You can see a lot of earth, according to Teresa.

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Fertilizer Needs Unaffected

Ashfall from Mount St. Helens has not altered the fertilization requirements of northern Idaho's soils, a University of Idaho extension soils specialist said.

Neither the amount or type of fertilizer nor the method or timing of applications need be altered, said Robert E. McDole.

He advised growers of peas, lentils, wheat and forage crops to proceed with their normal fertilization

practices and soil testing programs.

"The volcanic ash doesn't tie up any nutrients, and it doesn't supply any nutrients," McDole explained.

He said surface-applied nitrogen will move into the soil with precipitation just as though no ash had fallen.

Phosphorus and potassium must continue to be incorporated into the plow zone.

Early maturing wheat sought

New cereal crop varieties with the ability to achieve maturity under cool-climate conditions had the opportunity to "show their stuff" in growing trials this year at the University of Idaho College of Agriculture.

"Earliness was very apparent this year. Some experimental varieties of winter wheat ripened satisfactorily while other varieties were still green at harvest time," said Dr. Richard E. Ohms, extension crop management specialist.

"Early maturity is a trait cereal varieties must have for consistently good per-

formance in northern Idaho," Ohms pointed out.

In cooperation with other universities and research centers, the University of Idaho grows and evaluates new varieties that are entered in the Pacific Northwest regional cereal trials.

In the regional trials, experimental varieties of hard red winter wheat, soft white winter wheat and other cereals are subjected to standardized tests.

By crossing winter wheat with spring wheat, plant breeders are attempting to develop improved, early-maturing varieties of winter wheat.

"Unfortunately, crosses of winter wheat and spring wheat tend to lack winter hardiness. However, by back crossing these crosses with winter wheat, Pacific Northwest plant breeders hope to obtain varieties that will possess both hardiness and early maturity," Ohms reported.

The University of Idaho agronomist said northern Idaho growers can expect important advantages from early-maturing winter wheat.

"In many years, the early-ripening feature of these varieties will be of decisive importance.

"In addition, early-maturing varieties may possibly escape attacks of disease—and they are likely to achieve better utilization of early-season moisture and to avoid severe setbacks during the hot, dry conditions that frequently occur in mid-season," Ohms said.

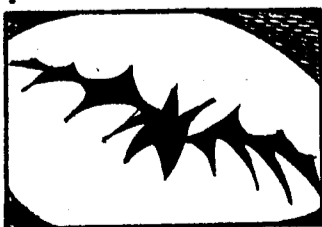
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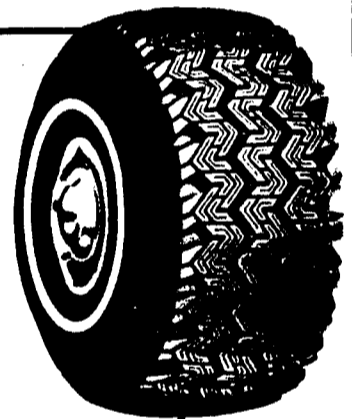
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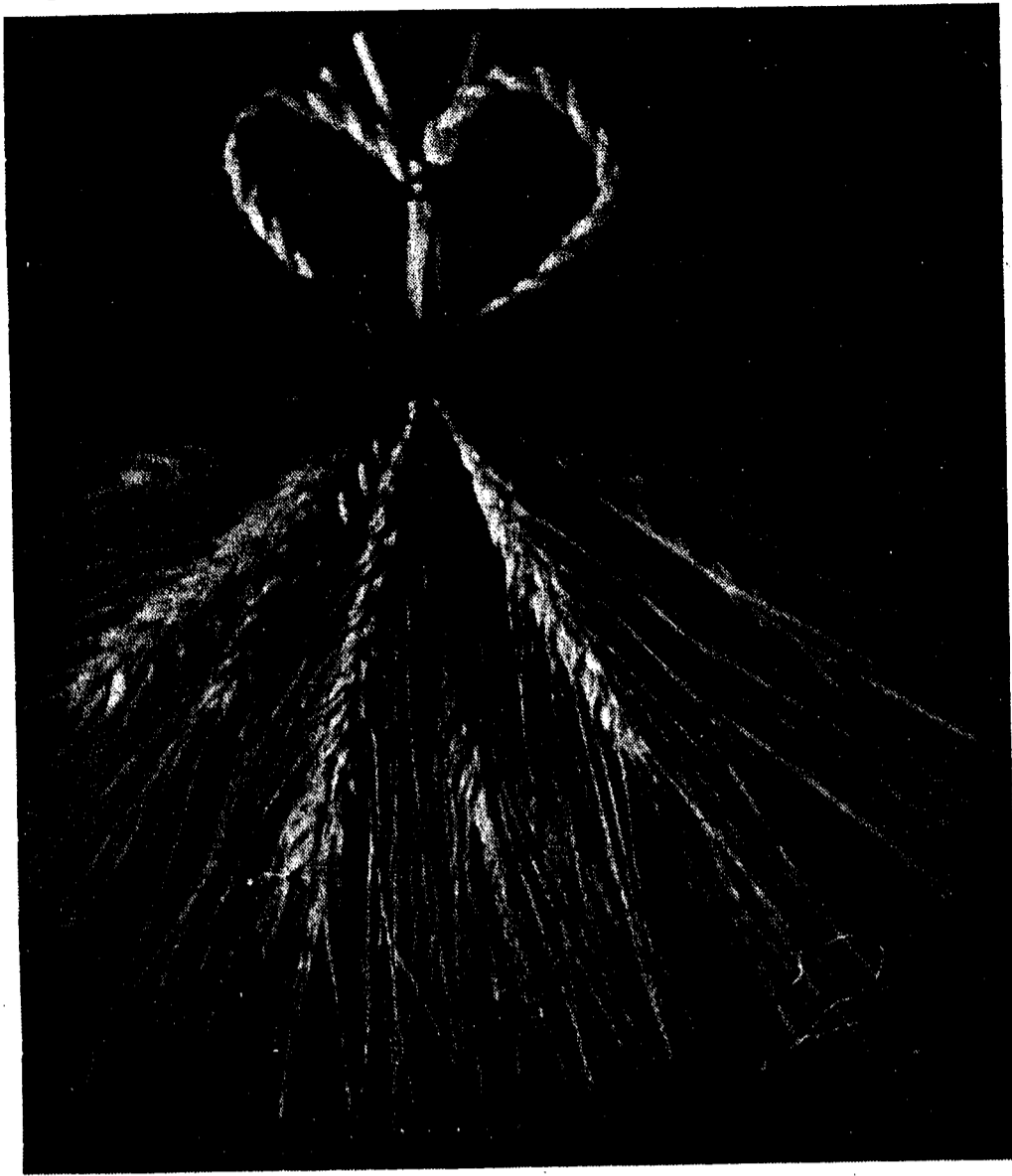
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Wheat Stalks Weaved Into Art Objects

By Susan Tiede

Kathy Carpenter, Grangeville, works with an art form new to the area but should prove popular with area farm families.

She is doing wheat weaving using Camas Prairie wheat.

The short stalked varieties here limit some designs. Long stemmed Kansas wheat is best for the craft and can be bought at craft stores.

She likes to work with the local wheats despite the fact they can't be joined together like Kansas ones for more intricate and finer designs.

Some people also use barley, triticale, oats and even wild oats as they have nice long stems. Kathy hasn't tried those yet.

Note: This could be a way to totally eliminate the troublesome wild oats. Find a use for them and they would probably become a very hard to raise, temperamental crop.

Kathy got started wheat weaving about a year ago.

"A woman from Lewiston was supposed to demonstrate wheat weaving for our weavers' guild. She didn't make it for some reason. I thought I'd just learn to do it myself. I used a magazine article and directions."

She has been weaving for five years with both loom and off-loom weaving. Sept.

13, she was demonstrating the wheat weaving at the Central Idaho Art Association's "Art in the Park" program at Grangeville.

"Art in the Park" was the second time she demonstrated her craft.

"I'd liked to have done it at the Folk Life Festival in Cottonwood this spring, but I had run out of wheat.

"The kids get tired of pulling it (wheat). It's also hard to find a place to gather wheat. If a farmer plants it, he wants to harvest it."

This year, they picked it up along the road. The road crew was mowing and cut off some wheat growing on the shoulder of the road.

She starts her wheat weaving sessions by sorting the wheat.

"I mark off the kitchen table with tape for different lengths of wheat—9, 10, 11 and 12 inches. Different designs take different lengths."

There are a number of designs in wheat weaving. Some originated in England, others in Mexico, and some the country of origin is uncertain.

Kathy had 6 different designs at art in the park—Mordiford, spirals, rope wreaths, candlesticks, flame and with the stems ribbons and a House Blessing.

Wheat weaving can be

used for wall hangings, Christmas tree decorations, package decorations and the house blessing sign. The package decorations seem to mail well too, she added.

"I've heard of people using them for wedding decorations in farming communities. They put them on the pews and maybe have some flowers with them."

Kathy starts the designs by soaking the wheat in a wallpaper tray full of water for about 20 minutes to make the stalks pliable enough to weave into the intricate designs.

"It dries fast, so you have to keep working on it until it is finished and can dry in the desired shape.

"You can only soak the wheat straw once, after that the wheat starts coming apart."

When she finishes a design, she trims off the long ends.

"You can't be neat when you do this," she laughed. "You snip the ends and they fly all over the room."

One of Kathy's more intricate designs is the "candlestick with a flame."

It has wheat heads hanging down with another one upright in the center for the flame and with the stems surrounding it.

Kathy uses ribbons to decorate the finished

product. Daughter, Karen, was helping her finish the wall hangings.

"All four of the kids weave too. They made some of the things for sale. We use hand

dyed and spun yarns, but haven't had time to do them ourselves."

The Carpenters live on 70 acres southeast of

Grangeville. Her husband, Kenneth, is a post office employe and Kathy is a substitute mail carrier.

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Even Kathy Carpenter's children get into the act. Here a daughter was busy weaving some wheat stalks.

Birds help combat budworm

Some Northwest birds may exert considerable control over populations of the western spruce budworm and that level of control could be increased with better wildlife management techniques, says a University of Idaho scientist.

In one study area on Washington State's Okanogan National Forest, Dr. Edward O. Garton, UI assistant professor of wildlife resources, said his research team observed an 86 percent reduction of spruce budworm populations after one summer of heavy predation by forest birds, small mammals, insect predators and parasites.

Budworm populations in the research area, Garton said, "were right at the level that if the population would have gone any higher, the Forest Service would have wanted to use chemical sprays."

Budworms cause extensive damage to forests throughout both eastern and western North America and are the focus of a multi-million dollar joint research

program by the U. S. and Canadian governments which began in 1978.

According to Garton, the most important bird preying on the budworms seemed to be the evening grosbeak both because of its large size and the large numbers of birds which flocked to the infested forest.

"Birds seem to possess a great potential to control forest insect pests, at least in some situations," Garton said. "If somehow we could change the abundance of a species like the grosbeak over a broad region, it could be a means of controlling insect pests without pesticides."

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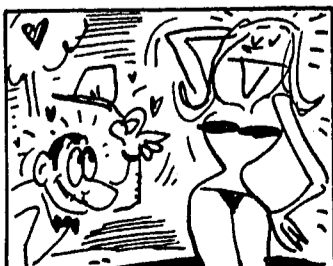
NO ASH PROBLEMS EXPECTED DURING SEEDING

University of Idaho agriculture specialists anticipate no serious problems with wheat seeding or emergence this fall in northern Idaho's ash-affected fields.

Robert E. McDole, extension soils specialist, said there is "nothing in the ash that would affect germination."

He recommended using standard conservation tillage practices—not moldboard plowing—to mix the soil to a normal depth of eight inches.

Agricultural engineer Charles L. Peterson predicted no machinery problems for farmers who "do the exceptional job of maintenance they ought to be doing anyway."

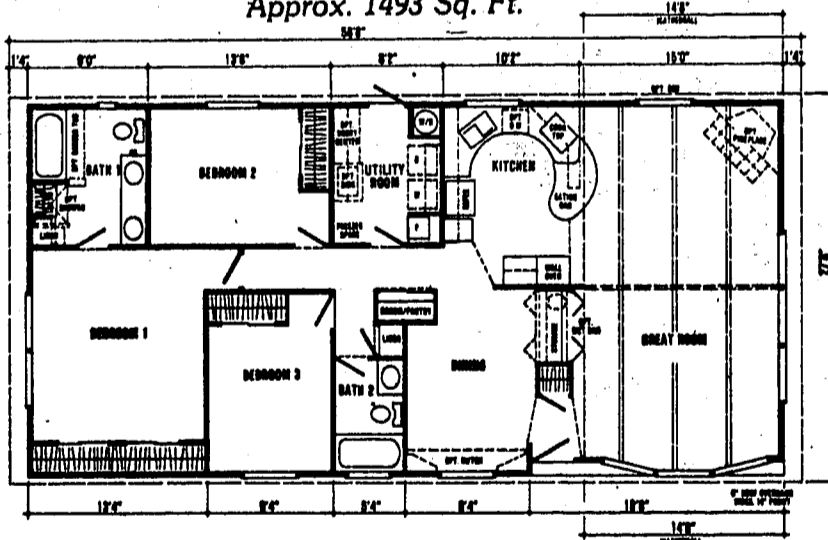


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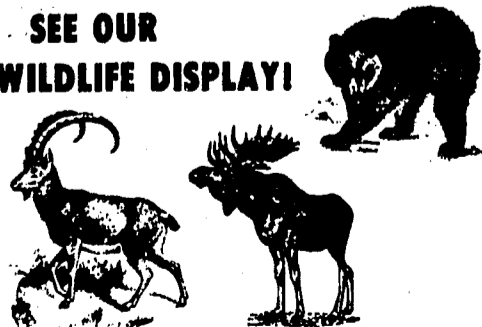
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University of Idaho sows wild oats

They sowed wild oats at the University of Idaho this spring, and now they're reaping the results: seeds from 90 selections of this crop-starving weed.

The wild oat garden at the UI College of Agriculture's Plant and Soil Science Farm just east of Moscow is the only one presently being grown in the country and the first of its kind in Idaho, according to Wayne Schumacher, graduate student technician and head "gardener."

The seeds sowed in spring were sent from infested areas in Idaho, Washington, Oregon, California, Montana, Wyoming, Utah, Colorado and the Dakotas.

Seventy-one selections already had been collected by retired UI weed scientist Clarence Seely.

The garden was divided into 360 four-by-four foot plots so that four specimens

of each of the 90 selections could be grown. UI scientists are now collecting seeds from those wild oats for experiments this winter and next year.

About 1,200 rows of wild oats will be grown in 1981, Schumacher said, principally to subject them to various herbicides.

Wild oats cause about \$35 million in crop damage in Idaho each year, according to Gary Lee, acting head of the UI Department of Plant and Soil Sciences.

Only moderate infestations—16 weeds per square foot—can result in a 50 percent crop loss in spring wheat and barley, and four weeds can take 35 percent.

In new publications on wild oats soon to be available at county extension offices, Lee wrote that the Palouse and Camas Prairie in northern Idaho and the Rexburg area in eastern Idaho may have

infestations of up to 200 wild oat plants per square foot. According to Lee, infestations of this degree can essentially eliminate grain yields.

This summer, the scientists accumulated extensive data on the "growth habits" of the 90 selections in the garden. Lee said they noted tremendous differences in plant height, heading dates, leaf width, amount of foliage, and size, color and dormancy of seeds.

Some plants put out only five or six tillers, while others grew as many as 24. Some were plagued with aphids, while others proved resistant.

Some grew straight and tall, while others hugged the ground. Some have reached nearly four feet in height, while others haven't even sprouted.

Schumacher said that scientists are "starting from

ground zero in terms of wild oat biology," hoping to explain why the same herbicides will give 50 percent weed control in some areas and 100 percent in others.

He noted that growing all 90 selections in one location eliminates environment as a confusing factor in the studies.

An interesting, and possibly the most significant, development the scientists have observed this summer is that three of the South Dakota selections have smut, a seed-borne disease that might serve as a natural control for this weed.


Previously, smut had only been reported in wild oats from Washington, Oregon and Texas.

"If we could culture this, it could be a tremendous biological control agent," said Lee, "as long as it doesn't control tame oats as well."

Lee said the smut spores will be collected and mixed into soil this winter in an attempt to infect the seeds of the other wild oat selections.

Within 12 to 18 months, scientists will know how resistant or susceptible the other selections are to this

disease. By that time, they'll also know how these 90 wild oat selections respond to different herbicide treatments—and, hopefully, farmers across the country will benefit from the wild oats sowed here.



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Safflower oil burns well in Charles Peterson's tractor, but the University of Idaho agricultural engineer is not encouraging farmers to follow his example in changing over from diesel to salad oil. Not at this time.

"More tests are needed. Farmers don't have to experiment with their expensive diesel tractors, though. At the UI College of Agriculture, we are running the necessary tests comparing diesel and vegetable oil," Peterson said.

During the past year, Peterson has been testing diesel engine performance with vegetable oil as a fuel. He is interested in oils that can be extracted from Idaho-grown seed crops—especially sunflowers, safflower and winter rape. The test results have been "very promising" thus far, he said.

"What impressed people the most was the fact that no modifications have been

made to the tractor or to other diesel engines we are using to test vegetable oil as fuel.

"This is a standard, unmodified diesel tractor. At first, we operated the tractor with a 50-50 mixture of sunflower oil and diesel oil, but since June we've been getting equally good results from 100 percent safflower oil," the University of Idaho professor reported.



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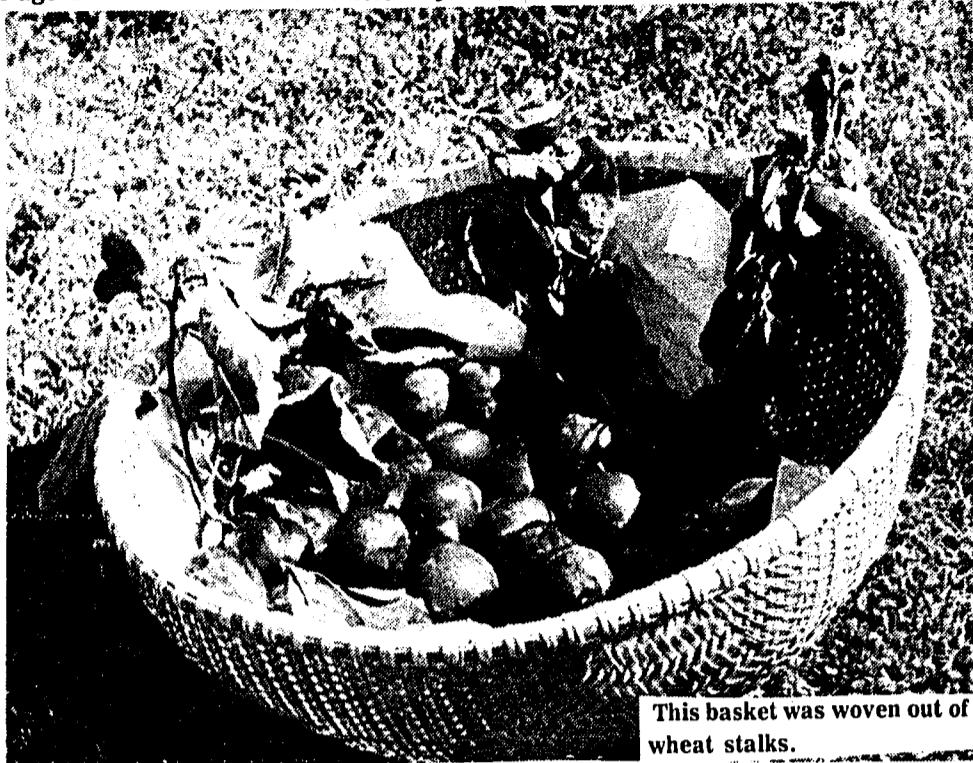
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This basket was woven out of wheat stalks.

Lake Quality Charted

The water quality in many of Idaho's more than 2,000 freshwater lakes is known to be deteriorating somewhat for a variety of reasons, but to what extent is largely unknown.

A team of researchers in several fields at the University of Idaho has been organized to classify Idaho's lakes and point out hazards to their water quality so that an effective management policy can be formulated for them.

The study is being conducted through a \$100,000 grant from the Environmental Protection Agency. Results of the lake classification study will be available to agencies managing water resources.

Idaho lake uses range from irrigation water storage, power generation, flood control and water supply to navigation and recreation, and the lakes are highly valued for their clean water quality as well.

But, as Idaho's population grows, usage and development around lakes will also grow, threatening water quality further, said Jim Milligan, associate professor of civil engineering, who is heading the project.

During the study, researchers from seven disciplines including civil engineering, economics, sociology, geography, fisheries, biology and recreation, will take representative lakes in Idaho and classify them according to their water quality.

They will look at many factors contributing to that quality and recommend which lakes need protection

or restoration, Milligan said.

The recommendations from the study won't hinder development although they will help to guide it in a manner which won't harm the lake, he anticipates.

For instance, the researchers might recommend that a lake housing development convert from using septic tanks to a regular sewage treatment system.

Or recommendations might be made to protect certain streams feeding a lake, keeping development out of a particular drainage or curtailing intensity of development in an area to protect water quality.

According to Milligan, when nutrients are released into a lake is as important as how many, so it may be recommended that the flow rate of water through some lakes be controlled, he said.

Among the characteristics contributing to lake quality which the researchers will study are public access and types and amounts of public

usage.

The characteristics to be studied are lake size, stream inflows and outflows, geologic setting, and use in the drainages and watersheds around the lakes, and sources of nutrients and sediments.

Chemical and biological data will be gathered on dissolved solids in the water, nitrogen and phosphorous ratios, coliforms, turbidity and biological life.

The researchers will also look at regulatory and legal intervention governing or affecting uses and developments around lakes, and review what future uses are planned for the lakes.

Milligan said the study isn't meant to be exhaustive but to classify certain types of lakes and assume that others of the same size and characteristics could be managed under the same plan.

The lakes studied will be mostly in populated areas, and he anticipates the team probably won't look at many wilderness lakes.

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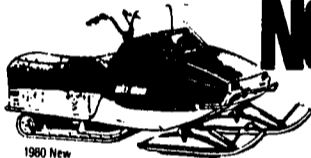
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Yellow jackets have nasty dispositions

Wasps, yellow jackets, bald-faced hornets—whatever you choose to call them, most are very unwelcome around homes and picnics.

Several combative measures are recommended by University of Idaho entomologists.

Hugh Homan, state extension entomologist with the College of Agriculture and the Cooperative Extension Service, says effective controls include several sprays as well as a bait system and killing traps.

Homan said most of the

aggressive behavior resulting in stings that people complain of is offered by about two species of hornet and three yellow jackets.

"Many people confuse the common mud-dauber wasp with the yellow jacket since they both have yellow and black band patterns on their bodies. The wasp is really a pretty calm individual and rarely stings."

The University of Idaho insect museum exhibits about 50 species that fall into the hornet, yellow jacket or wasp category, the agricultural entomologist

added.

Among yellow jackets, the one causing the most people the most distress is the Western yellow jacket, a small-banded, ground-nesting yellow jacket.

There is another small one with white bands instead of yellow bands. The white-banded insect is not common, but "packs a real wallop," Homan said.

Early in the year, when fertilized female yellow jackets are emerging from their winter sheltering places and beginning new nest sites, is the time when directional aerosol sprays such as "Wasp Freeze," a

kerosene-type compound, are most effective.

Individual insects must be hit by the spray and the nest thoroughly sprayed to kill those inside, Homan said.

The nests can then be destroyed and any fresh activity in the area should be controlled.

Larger nests, particularly those of ground dwellers, should be attacked at night when the yellow jackets or hornets have returned to the colony.

The most effective control measure is a thorough spraying with one of several chemicals approved for

wasp and hornet control, such as Sevin, Diazinon, Vapona, Baygon and Korlan.

Late fall is the time when people are most annoyed with yellow jacket activity, primarily because the aggressive insects are present in such large numbers.

One reason why an enraged yellow jacket is held in such respect is the fact that unlike the honeybee worker, the stinger is not lost

when it attacks and an angry one may sting an individual several times.

They don't usually attack en masse unless they are provoked.

To promote tranquility on those late fall picnics, do not wear bright-colored clothing, keep food covered so the yellow jackets won't be attracted and avoid threatening behavior to those that do appear, Homan said.



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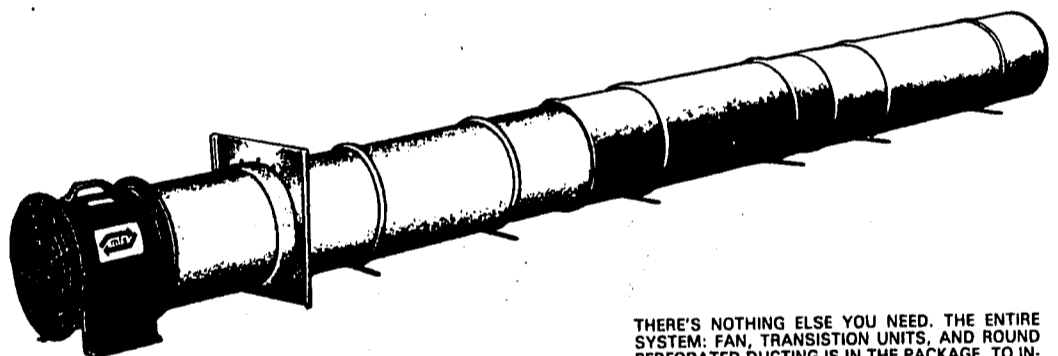
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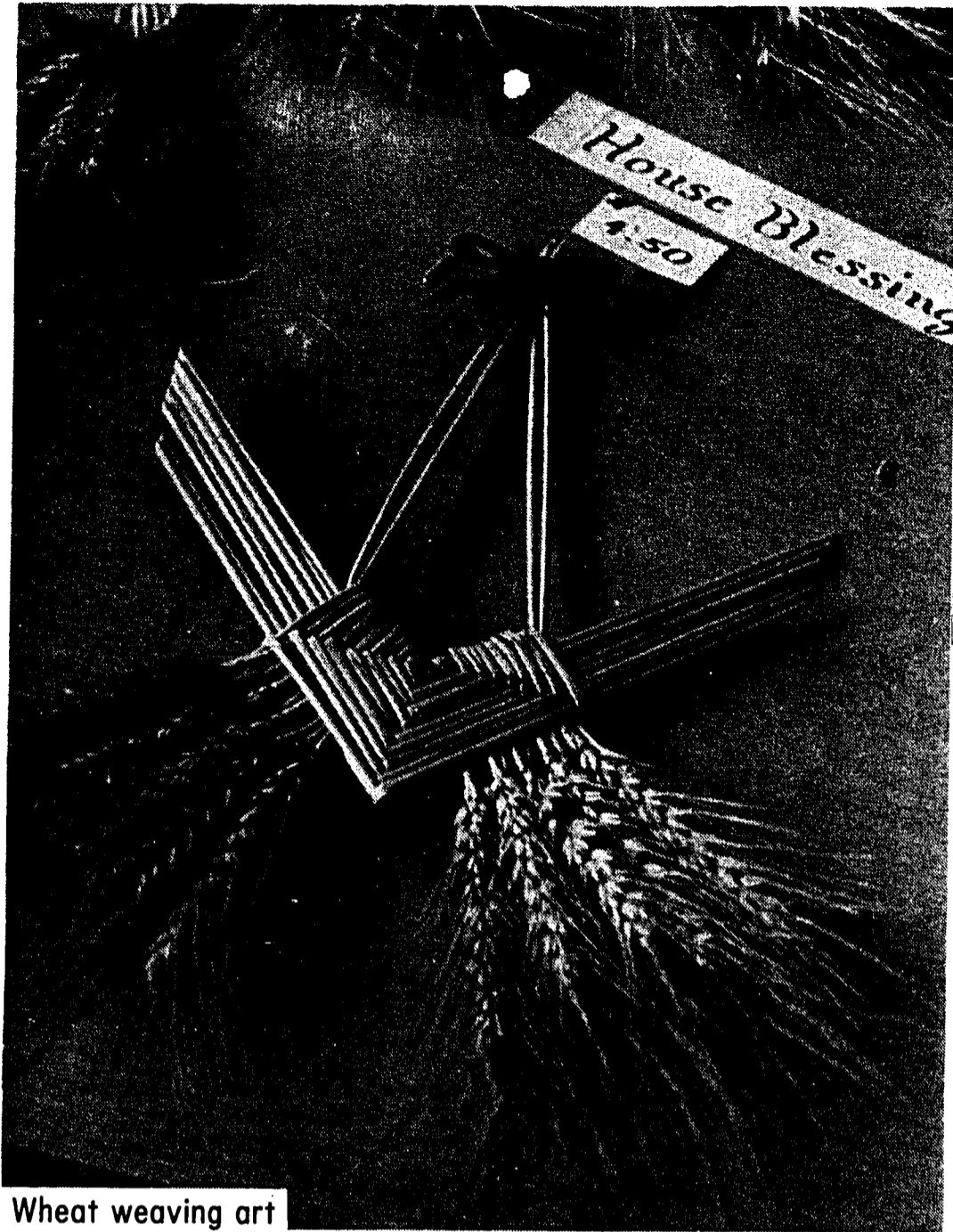


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Wheat weaving art

Demand for wood increases

By W. F. "Bill" Whittom
Demand for forest products is increasing. Everybody knows that trees are used to build houses and burn in fireplaces.

Forest products also go into chemicals, cosmetics and road paving materials, to mention a few.

And with the scarcity of fuels, forest wastes are being converted into gas for heating and alcohol to make gasohol.

The morning newspaper consumed a great quantity of pulpwood . . . and the list goes on and on.

The point is, we're using more trees than we are producing and at the present rate, the supply will be depleted by the year 2020, according to most experts.

But the prediction can be circumvented. Trees are renewable. Forest management must be practiced. The southern United States offers the best hope for regeneration, but it is up to the private landowner to meet the challenge for he owns 73 percent of the 200 million acres of commercial forestland in the South.

The South now produces about 45 percent of the nation's wood, but it must do better. Collectively, these privately-owned forestlands are producing at only half of their potential.

The underlying problem is motivation. Landowners need financial incentives. Growing trees represents a considerable capital outlay and it is long-term investment.

In many instances, however, the simple practice of selective thinning will produce immediate income and provide remaining trees with room to grow faster.

Allowing trees to fend for themselves in a natural environment is probably the worst management decision a landowner can make, yet in too many cases that is what is happening.

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Test planter rig on tour

A machine that prepares a seedbed, applies fertilizer and seeds winter wheat in a single pass over stubble will be at work on farms throughout Idaho this fall.

Charles L. Peterson, University of Idaho professor of agricultural engineering, said tests of the new grain drill "under a wide variety of conditions" will enable the UI College of Agriculture to complete its evaluation of the minimum-tillage seeding system.

"As far as the Palouse country is concerned, the system has pretty well

proved itself. In tests during the past two years, fields seeded with our patented Chisel-Planter had two-thirds to three-fourths less erosion than fields under conventional tillage.

"A year ago, yields were slightly higher with the Chisel-Planter and this year it showed a five percent advantage in yields over conventional tillage," Peterson said.

On its present tour, the Chisel-Planter will be tested for two weeks in southern Idaho. Winter wheat will be seeded in the Aberdeen-

American Falls area, near Boise, at Weiser and north of Emmett. on the return to Moscow, the machine will be used at Grangeville and Reubens.

As he supervised loading of the 4,700-pound planter, Peterson said the machine becomes heavier by 4,000 pounds when its grain box is filled with seed and its two fiberglass tanks are given full charges of liquid fertilizer.

"Strictly speaking, this is not a 'no-till' machine," he said. "There is some tillage involved since the planter has chisel points that clear away residue and help provide a seedbed.

"Liquid fertilizer flows into the furrows formed by the chisel points. Packer wheels break up large clods and also provide soil cover between the fertilizer and the seed."

The product of more than five years of research and development at the University of Idaho, the planter provides an alternative, soil-saving system for seeding winter wheat on acreage that may erode badly under conventional tillage.

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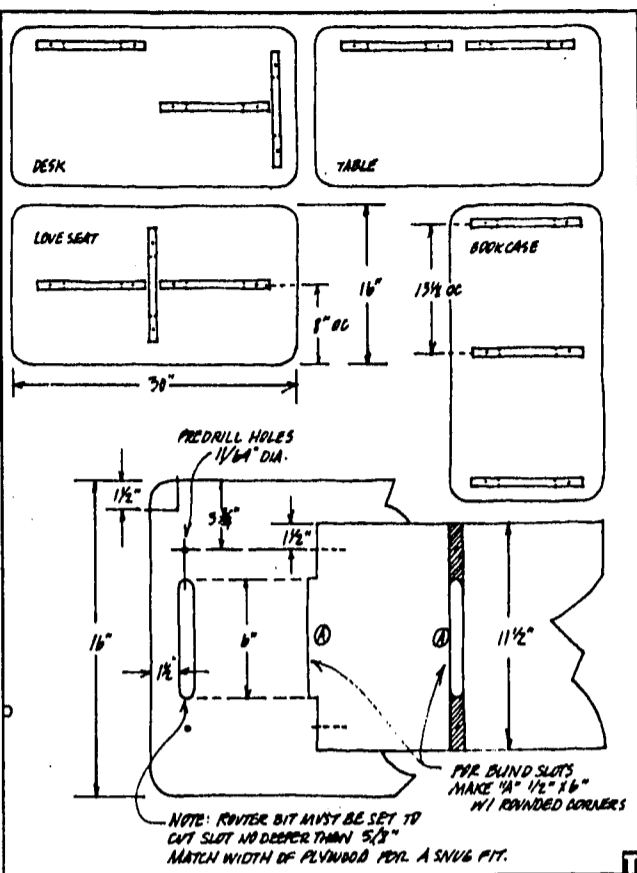
From this one single pattern you can build a desk, a set of shelves for toys, a table, a doll's bed, a nursery bed or a love-seat.

The cutting pattern is the same no matter which you make; you just assemble the pieces differently. The furniture will be tough, too—tough enough to survive all the abuse little ones are likely to give it.

This furniture can be made from few materials. Just one panel of 3/4" x 4' x 8' exterior grade plywood—good on two sides, wood filler (as required), sandpaper (as required), interior semi-gloss enamel paint and 24 two-inch #8 round head wood screws are all you need.

To build the furniture, mark out and cut the ten pieces from one panel of 3/4" plywood, as shown in the cutting diagram. Remember to allow for saw kerfs (blade widths) when marking out.

The hidden joints require blind slots in the end piece and a router must be used for these. If a router is not available, slots can be cut right through with a key-hole saw after you first drill two 3/4" holes at the ends of each slot. In this case, the tongue must be 3/4" long to

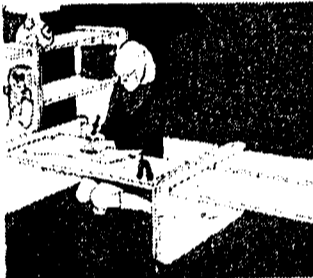


Main sections for the desk, its adjoining table, a nearby bench, and a handy bookcase are all the same size, but assembled differently, according to this diagram. Use it as a cutting pattern, too.

fit flush.

Once pieces are fitted together, round and sand the edges carefully and apply wood filler to all edges. Wait for it to dry, then sand again; finish with a coat of primer. At least two coats of enamel should be applied for a durable finish.

For more easy home project ideas and plans, send \$1 to "Woodworks," Dept. NAPS, Georgia-Pacific Corp., 900 S.W. Fifth Avenue, Portland, Ore. 97204.



A desk low enough for children to write on can improve their quality of work—and keep them busy for hours on end.

Freezing of Vegetables Discussed

By Rosa Smith

Most vegetables can be frozen successfully but, once frozen, they cannot always be used as if they were fresh.

Celery and onions lose their crispness after freezing but may be used for cooking.

Cucumber, lettuce and radishes should not be frozen, because they, too, lose crispness.

Tomato juice and stewed tomatoes may be frozen and used for sauce, in chili, spaghetti sauce or in meat loaf.

Freezing vegetables is relatively simple, but for the best result, certain rules or procedure should be followed.

Select vegetables at their peak of maturity. They should be fresh, tender and succulent, just right for immediate table use.

Most vegetables lose quality rather quickly after harvest. They should be frozen the same day they are picked. Two hours from vine

to container is optimal.

Wash vegetables thoroughly in cool, running water or lift in and out several changes of water. Avoid soaking. Trim blemishes.

Sort vegetables according to size or cut into uniform pieces. Peel if desired.

An important step in preparing vegetables for freezing is heating or blanching. Practically every vegetable with the exception of green pepper, tomatoes and herbs maintain better quality in frozen storage in blanched before packing.

Blanching will slow down or inactivate the enzymes that would cause loss of flavor and color during frozen storage.

Use containers designed for the freezing or wide-mouth glass canning jars. For the best quality, you should have a moisture-vapor proof container.

Select containers that are easy to fill and empty and occupy little freezer space. Leave a half inch head space in plastic freezer containers and 1 1/2 inch for glass containers.

Freeze quickly.

PEAR YOGURT SALAD

- 1 package (3 oz.) Jell-O apricot flavor gelatin
- 1 cup boiling water
- 1 container (8 oz.) plain yogurt
- 1-1/3 cups diced fresh pears*
- 1/4 cup chopped celery

*Or use 1 can (16 oz.) sliced pears, drained and diced.

Dissolve gelatin in boiling water. Blend in yogurt and chill until thickened. Fold in pears and celery. Pour into individual molds or a 3-cup mold. Chill until firm, about 8 hours. Unmold. Serve with crisp salad greens, if desired. Makes 2-2/3 cups or 5 servings.

IDEAS & FOOD for thought

By Pat Wherry



Spirited COOKING

GAME PLAN FOR A "GOOD SPORT" PARTY

If your favorite team wins its game—or even if it loses—your sporting spirits are bound to rise at a party whose game plan includes a hearty rum punch, accompanied by hot and delicious batter-fried chicken and a specially spicy quick apple cake.

THE TEATOTALER

- 1 cup (8 oz.) Nestea Iced Tea Mix
- 12 oz. white Puerto Rican rum

Combine ingredients in a two-quart pitcher. Add ice and water to fill pitcher. Garnish with lemon slices. Serves 8 (8 oz.) glasses.

BATTER FRIED CHICKEN

- 3 broiler-fryers, cut up (2 1/2 lbs. each)
- Seasoned flour
- 1 can (13 oz.) evaporated milk
- 1/4 cup white Puerto Rican rum
- 1 1/2 cups seasoned bread

- crumbs
- 1/2 cup grated Parmesan cheese
- Butter or margarine
- Shortening

chicken until very tender and well-browned, about 40 minutes. Serves 10-12.

QUICK APPLE KUCHEN

- 24 ready-to-bake biscuits
- Melted butter or margarine
- Cinnamon sugar
- Chopped nuts
- White Puerto Rican rum
- 1 can apple pie filling

Roll chicken in seasoned flour; dip into combined milk and rum; roll in mixed crumbs and cheese. Heat butter or margarine in a large skillet or chicken fryer. Add in, and melt an equal amount of shortening. (You will need hot fat about 2 inches deep in skillet.)



Successful hosts and hostesses know advance planning can be the secret of a great after-game party for a host of team supporters.

let.) Brown chicken in hot fat. Reduce heat and cook

Dip biscuits into melted butter, then into cinnamon sugar. Arrange in rows in greased 13 1/2x9x2 baking pan. Press biscuits together to form a layer, sprinkle with chopped nuts. Bake in 425° oven, 15 minutes. Spread apple pie filling over biscuits and return to oven for 12-15 minutes. Serve warm with Rum Creme Sauce. Serves 12-14.

Sauce: Stir 1 pint rum raisin or vanilla ice cream until soft. Stir in 4 tablespoons gold Puerto Rican rum. Spoon over cake.



baby FACTS & FANCIES

TEACHING YOUR BABY

If you're a parent of a newborn baby or soon expect to be, you still have time to make a decision that may greatly affect your child's future.

The "HOW TO MULTIPLY YOUR BABY'S INTELLIGENCE" course will be offered by the Better Baby Institute of The Institutes For The Achievement Of Human Potential in Chestnut Hill, Pa. during the weeks of September 7-13 or November 9-15, 1980.

Glenn Doman, leading child braindevelopmentalist and author of many international best sellers on child growth and development, will head the seven day program of lectures and demonstrations.

The course, which has taught parents from around the world, will cover such topics as "How To Teach Your Baby Math And Reading," "How To Make Your Baby Physically Excellent," and "Providing Your Baby Good Nutrition." Parents who are using the Institute's program will demonstrate, with their children, the methods that have enabled their children to learn how to read, play the violin, perform gymnastics, and speak several languages at such an early age.

The Institute's program is backed by 40 years of worldwide experience in child development and has been used successfully by parents to achieve intellectual, social, and phys-



ical excellence in their children.

You may register for the course by sending your application to Mary Ellen Cooper, Registrar, The Better Baby Institute, 8801 Stenton Avenue, Philadelphia, Pa, 19118.

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