

Heppner JVs stay on top

The JVs shot 40 per cent from the field to Condon's 30 per cent and posted from the line 50 per cent to Condon's 45 per cent.

Saturday night Heppner JVs posted a lower shooting percentage but still managed to beat Riverside.

Heppner shot only 37 per cent from the field and a low 29 per cent from the line while Riverside had 30 per cent from the field and 64 per cent from the line.

DeWayne McLain tallied 11 points for the victors. He was followed by Paul Van Marter 10, Mike Mills 10, Dave McLachlan 7, Jerry Gentry 6, Clay West 5, Kelwayne Hague-wood 2, Wade Padberg 2, Clayton Wilson 2, Allan Burkenbine 2, Mike Orwick 1.

Top rebounder for Heppner was Dave McLachlan with 12.

Heppner 12 12 21 13 - 58
Riverside 8 11 12 11 - 42

Sport show opens

The 1974 Portland Boat, Trailer and Sport Show will open Saturday, Jan. 12, at 2 p.m. in the Memorial Coliseum in Portland to present for nine days a complete exhibition of recreational equipment and services.

Boats take top billing in the event commonly known as "the Boat Show" but the recreational interests of hunters and fishermen, campers, trailer vacationers, golfers and water skiers are also fully represented.

A full scale golfing exhibit and demonstration, manned by members of the Oregon Professional Golfers Association, will be new for the show this year.

The fun of fishing will be stressed in the exhibit of the Oregon Wildlife Department. For the first time it will include a casting pool where practical casting will be demonstrated and show visitors given a chance to get corrective instruction on casting form.

The Heppner JVs stayed in the winners circle Friday by defeating the Condon JVs 62-45 in Condon, and handed the Riverside JVs a 58-42 setback in Heppner Saturday night.

In the first quarter of the Condon game, the JVs battled to take the lead from the defenders. At the end of the first quarter the score was 14 all. Then the Mustangs started playing good defense and held a 3 point lead at the half.

The third quarter was cold for both teams. Heppner managed only 6 points to Condon's 5. It was the next quarter that the mighty JVs showed their shooting ability, sinking 22 points to Condon's 9.

DeWayne McLain led the Heppner scoring with 16 points, followed by Wade Padberg 13, Jerry Gentry 10, Mike Mills 9, Paul Van Marter 8 and Dave McLachlan 6.

McLain was top rebounder for Heppner with 10.

Drip irrigation being studied

Drip irrigation is hardly two years old in Oregon and already it is creating a flood of interest among farmers because of its numerous potential advantages over conventional irrigation.

The practice uses extremely small amounts of water applied through emitters attached to flexible tubing laid along the soil surface. The soil is slowly soaked in a small area around each emitter.

Emitter placement and amounts of water applied are critical to success of such a system. Oregon State University researchers are developing design and management information to make drip irrigation work in Oregon agriculture.

Developed in Israel, drip irrigation has been a part of commercial agriculture in the United States for only about the last five years. It was introduced to Oregon at the Mid-Columbia Agricultural Experiment Station in Hood River two years ago.

Last year, research with the new concept was initiated at the Southern Oregon Experiment Station in Medford and at North Willamette Experiment Station in Aurora.

A few Oregon growers, mostly orchardist, also have ventured into drip irrigation, but OSU Extension agricultural engineer Marvin Shearer estimates that it is being used on only about 150 acres so far.

In California, drip irrigation has caught on more quickly. Prompted by labor problems and expensive water, some 40,000 acres of almonds, grapes, avocados and other high value crops have been adapted to drip irrigation within the last four years, said Shearer, who is working with the superintendents of the three OSU agricultural experiments stations to evaluate drip irrigation under Oregon conditions.

In spite of the potential, several problems need to be resolved before drip irrigation can be used economically in

Oregon. One of the most important is working out water requirements for crops based on the low volume flow and precise water quantity control offered by drip irrigation. Adequate filtering of the water supply also is critical to prevent plugging of the system.

On the positive side, drip irrigation systems involve little labor investment once they are in and working properly. There are no mud or soil compaction problems from use of equipment because the soil is wet only in a small area.

Because of the low volume involved, water can be applied to soils with slow intake rates and to steep slopes with little worry about runoff or erosion. Less water is used and less water pressure is needed. And drip irrigation systems are less expensive to operate than sprinkler irrigation systems.

At the Mid-Columbia Experiment Station, drip irrigation is being compared to sprinkler irrigation on the performance of established blocks of mature Bartlett and D'Anjou pears. Several drip emitter designs also are being tested.

Bartlett and Bosc pear tree response to drip irrigation compared to furrow irrigation is being checked at the Southern Oregon Experiment Station.

At the North Willamette Experiment Station, drip irrigation is being checked at the Southern Oregon Experiment Station.

At the North Willamette Experiment Station, drip irrigation was installed primarily to see if it would reduce mold on Oregon Evergreen blackberries. A low incidence of mold in all test plots during the 1973 season prevented such comparison but water use, yield and fruit size were measured.

Overall, crop response to drip irrigation has not been as good as with conventional irrigation systems, the ex-

periment station research shows.

The problem has been attributed primarily to not getting enough water to the roots due to lack of previous experience on which to base water application rates, said Shearer.

The one exception was at the Southern Oregon Experiment Station where preliminary observations indicate a slightly greater average growth rate of fruit on trees watered by drip irrigation.

"The switch from sprinkler

to drip irrigation requires a rethinking on the part of the grower regarding water application. Moisture levels will not be constant throughout the root zone and a system scheduling the amount of water needed for best plant performance is critical to the success of drip irrigation," said Shearer.

He added that it will probably take three to five years of research to obtain some of the information necessary for optimum management of drip irrigation.

1974 hunting dates are set

John McKean, state wildlife director, today announced staff recommendations for 1974 opening hunting dates for deer, elk, and antelope seasons, early archery seasons, and upland bird seasons except quail.

For the general deer season the staff will recommend Sept. 28 and the same date will be suggested for the opening of the chukar and Hungarian partridge seasons. Opening date proposed for Rocky Mountain elk is Oct. 26 and for Roosevelt elk, Nov. 16. The opening date for pheasants would be Oct. 19. Aug. 17 is the proposed opening date for the antelope season and Aug. 24 for the early archery seasons.

These dates are comparable to 1973 with the exception of the deer season. Indications are that mule deer will be able to support more hunting

pressure if the season is not extended to late into the rutting period. Advancing the opening to the traditional weekend nearest the first of October would provide more hunting opportunity before the vulnerable breeding and migration period commences. While a later date would be desirable in Western Oregon, some compromise is necessary to provide a uniform opening.

No other substantive changes are proposed, with most suggested opening dates similar to the 1973 seasons except for adjustments to begin the seasons on week-ends.

Staff and public recommendations will be considered at a public hearing scheduled for 10 a.m. on Jan. 11 at the commission's Portland headquarters, 1634 SW Alder.

More water mains set for lone

The city of Lone plans to spend \$30,000 to \$35,000 to install approximately 900 feet of water main to their pump and present reservoir.

According to Steve Anderson, recently hired by the City of Lone to prepare the design plans. "It would be advantageous to the city to have the necessary work performed by an outside contractor, rather than city forces, as the work entails crossing both State Highway 74 and railroad property."

Beginning in 1960, the City of Lone began replacing and upgrading its present water facilities and replacing water mains with six-inch or larger transite pipe.

The city has spent about \$4,000 per year, with most of the work performed by city forces.

Roy Ball has returned home from the Good Shepherd Hospital in Hermiston and is recuperating from his recent stroke.

We've Got The Cat for the family . . .

Panther '74



We've Got the Cat

Featuring performance maneuverability comfort

Cheetah '74



Comrie Cats

511 SE Court Ave. PENDLETON 276-1921

While you're there, Glenn Walker will show you the "Cat Killer"

CHEER THE RIVERSIDE PIRATES ON TO VICTORY



Home game Jan. 11

Riverside vs. Stanfield



Varsity game at 8:00pm

Home Games

- Jan. 11 Stanfield
- Jan. 12 Wasco County
- Jan. 19 McEwen
- Jan. 26 Sherman
- Feb. 8 Heppner
- Feb. 16 Condon
- Feb. 23 Pilot Rock
- Mar. 2 Umatilla

Varsity coach—Gail Enright
JV coach—Mike Wetherell

Away Games

- Jan. 5 Heppner
- Jan. 18 Condon
- Jan. 25 Pilot Rock
- Feb. 2 Umatilla
- Feb. 9 Stanfield
- Feb. 15 Wasco County
- Feb. 22 McEwen
- Mar. 1 Sherman

Have a successful season Pirates!

- BOARDMAN —
- Boeing Co.
- C & D Drive-In
- Dewey Chevron
- Dodge City Inn
- Eastern Oregon Telephone Co.
- Frontier Irrigation & Supply
- Imperial Electric Heating and Air Conditioning

- Hick's Market
- Inland Chemical Co.
- Inland Empire Bank
- Kuhn's '76
- Riverview Motel
- Russell's Shell Service
- Moore's Texaco

- Morrow County Grain Growers
- W. E. Nelson Company
- Nomad Restaurant
- Nugget Motel
- Peck's Arco
- Helen's Beaute' Oasis
- IRRIGON —
- Complete Food Store