

Pioneers drop 3 net matches

The Sandy High boys tennis team snuck three matches in under menacing skies last week, showed improvement, but lost all three.

West Linn claimed a 6-1 win Tuesday. Sweet Home blanked the Pioneers 7-0 Monday and Canby took a 5-2 win last Wednesday.

The No. 1 doubles team of Pat Spriggel and Scott Bender nabbed Sandy's only win against the Lions, 1-6, 6-4, 6-4. West Linn swept the rest of the doubles matches in straight sets. The Lions won all of the singles matches, although No. 3 Peter Kallen went to three sets before falling.

Sweet Home proved just too powerful for the Pioneers. The Huskies took every match in straight sets and may be a favorite at district. Kallen, again, had the closest match, a 7-5, 6-3 loss to Chris Andrade.

Bender and Spriggel picked up a win for the Pioneers against Canby, topping the Cougars' No. 1 team of Jim Makin and Tim Cerani 1-6, 7-6, 6-3. Damian Bollermann, the No. 2 singles player for the Pioneers, also won, defeating Dale Anderson 6-3, 6-0.

Cougars upset Sandy netters

A rusty Sandy High girls tennis team suffered a 4-3 loss to Canby last week, the first loss the Pioneers had recorded this year.

Canby's strong singles players got the Cougars going as Donita Kraxberger scored a 6-1, 6-3 win over Sandy's No. 1 Tami Shafer. Kristin Woolhiser of Canby topped Sandy Yantes in the No. 2 singles match 6-3, 6-4.

Jody Robbins scored a 6-3, 6-0 win over Nancy DesBrisay at No. 3 singles for Sandy.

The Pioneers' strong doubles team of Julie Coleman and Sandy Shreeve won easily over Tracy Adamson and Debra Daly, 6-1, 6-0 at No. 1 doubles. Becky Rodrigues and Zina Seal claimed a 6-2, 7-5 win at No. 2 doubles for Sandy over Judy Witt and Lisa Spalding.

But Canby won the last two doubles matches to take the team contests. Julie Jacobsen and Kim Plantz topped Sue Hartke and Denise Shokoy 6-0, 6-1, and Audrey Stutzman and Vicky Zolnikov edged Alice Schoppert and Tracy Tool 7-6, 6-4.

The Pioneers had their match with West Linn postponed Tuesday. The Lions had taken a 3-2 lead and those matches will stand. Sandy winners were Shafer and the team of Coleman and Shreeve.

Only two matches remain and Sandy must win them both to defeat the Lions. Robbins trails at No. 3 singles 6-7, 0-1, and Shokoy and Schoppert have a one set edge at No. 4 doubles, 7-5.

The match will be made up on the first available date.

Linksters lose

The scores are coming down, but the Sandy High boys golf team lost three matches last week.

Molalla topped the Pioneers 166 to 185 at Mountain View in Boring Tuesday. Low scores for the Pioneers were recorded by Dale Goracke, 42, and John Allen, 44.

In a match counting five players, Wilson defeated Sandy 221 to 278 Monday at the Pleasant Valley golf course, a much harder layout. Allen again led the Pioneers with a 43.

Canby dealt the Pioneers a Timber Valley League setback Friday, beating them 202 to 238 at the Willamette Valley course. Low scorer for Sandy was Allen with a 50.



Photo by Mark Floyd

AN EYE ON THE BALL — Sandy's Patty Gray watches the pitch carefully as it nears the strike zone. Gray figured out the strike zone pretty well, as she fired a one-hitter from the mound for Sandy in the Pioneers' 13-5 win over Molalla.

Gray fires 1-bitter

Pioneers dump Molalla 13-5

by MARK FLOYD

One bad apple may spoil a bunch, but one bad inning doesn't necessarily kill a softball game.

The Sandy Pioneers found that out Tuesday, coming from behind to topple Molalla 13-5 on the Kelso School field.

Molalla scored all five of its runs in the first inning — with plenty of help from the Pioneers. Sandy gave up five walks and added a pair of errors to go with one Indian hit and Molalla came up with the five big runs.

But after that, it was all Sandy.

The Pioneers not only settled down, they dominated the game. Pitcher Patty Gray found the strike zone and went the rest of the game without giving up a hit. She scattered seven more walks through the final five innings, but a solid Sandy defense failed to let the Indians get anything serious started.

Gray finished the game with a one-hitter, walking a dozen but striking out eight.

The Pioneers chipped away at Molalla's early lead, scoring three in the first, one in the second and tying the game with a run in the third.

Sandy finally got the lead, and broke the game open, in the fourth inning. Allison Carpenter walked and stole second, and Molalla chose to issue an intentional pass to Debbie Rudisill. Their intent was to pitch to Christi Coleman, who had struck out her two previous at-bats.

Pioneer coach Gary Curtis let her bat, telling her she was due. He was right. Coleman smacked a hard triple to left center, scoring both runs and the Pioneers were on their way.

Coleman also had an RBI double in the sixth as the Pioneers scored four more runs and iced the victory.

"Considering the weather, our slow start and the umpires, it was a fantastic game for us," Curtis said.

Things weren't quite as pleasant Friday, as the Pioneers journeyed to Canby, had the Cougars on the ropes, then suffered a 4-2 loss.

Canby broke open a 2-2 tie in the sixth when Gray suffered a streak of wildness. She walked five batters and forced in a pair of runs and that was the difference in the ball game.

The Pioneers started a rally in the seventh, but it fell short. Coleen McDonald singled and stole second. Gray walked and also stole second, after McDonald had advanced to third on a passed ball. A pair of strikeouts put the burden on the shoulders of Cindy Coleman who responded with a deep fly to center, but the Cougar centerfielder hauled it down to end the game.

The Pioneers outhit Canby 4 to 2 for the game, but walks eventually did Sandy in. Both teams might have been a bit rusty after the winter monsoons of last week forced cancellation after cancellation.

Sandy High to host second alumni tourney

Sandy High School's Alumni Basketball tournament is in full swing.

The second annual tournament got underway Wednesday (results not available at press time) and games will continue through Saturday night's final.

Last year's champs, the class of 1971-72, will be back to defend their title but they'll have a lot of competition this year. The field has been expanded to 12 teams, including a squad from 1960-and-back.

One of the teams favored to dethrone the defending champs may be the team from 1977. Featuring former Portland State guard Jack Paola, the '77 team has size, speed and offensive firepower.

The class of 1974 was a solid team in last year's playoffs, but it may be without the services of 6-foot-5 Alan Nippert, the leading scorer in the tournament. Nippert may be out of town for this year's tourney.

Nippert and Paola were voted co-Most Valuable Players of last year's tourney. They joined Tim Veley, 1976; Rick Zimmerman, 1972; and Ray Perkins, 1972, on the All-Tourney First Team.

The second team was Steve Konell,

1974; Ron Verdoorn, 1968; Mick Hoffman, 1963; Scott Cravens, 1977; and Dan Turin, 1974.

The Most Inspirational Player award went to the hard-rebounding Brad Paluck of the 1977 team.

First place went to the 1971-72 team. The 1977 squad was second, followed by 1974, third, and 1976, fourth.

Nippert, Paola and Zimmerman dominated the individual records last year. Nippert was the leading scorer overall and had the high game, 34.

Paola led in three-point field goals and highest free throw percentage, 1.000. Nippert led in field goal percentage with an .833 mark in one game on 15 of 18 from the floor.

Zimmerman has the single game record for rebounds with 26, including 14 on the offensive boards.

The week's activities will culminate with a barbecue and alumni dance on "Super Saturday."

Tickets for each night's games will be \$2.

Games will begin at 6:30 p.m. Thursday and Friday and at 2 p.m. on Saturday.

For more information, contact Sandy High at 668-8011.

Sandy sweeps Rangers in TVL track dual

by MARK FLOYD

Sandy overcame the rain, the cold and Estacada Thursday to sweep a Timber Valley League dual meet on the Pioneer track.

The Pioneers won the girls competition, 75-52, and narrowly took the boys meet, 74-70.

Despite winning less than half the events, the Sandy girls had little trouble taking the meet, thanks to their depth. The Pioneers swept the javelin and scored heavily in the discus and shot put.

Sophomore Paige Daugherty was a double winner, claiming the discus with a 108-6 throw, then taking the shot at 33-5. Teammate Stephanie Hagstrom was first in the javelin, 122-3, and second in the discus.

The Pioneers also won both relays and got wins in the 300-intermediate hurdles from Margaret Blackburn, 53.4, and in the 400-meters from Darby Binder, 1:04.5.

Sandy got some good marks from Shelby Dries, second in the long jump at 15-0 and in the high jump at 4-8; Renee Hess in the 1,500 meters with a 5:20.3 time; and Sandra Peterson in the 100-meters with a 13.9 time.

Estacada's Lisa Zornado was a triple winner, claiming the long jump, igh jump and 100-meter hurdles.

Sandy won the girls junior varsity meet 45-10.

The Sandy boys didn't lock up the meet until the final event when they took the mile relay.

The Pioneers scored heavily in the field, sweeping the throwing events. Scott Skipper won the javelin, 175-8, and the shot put, 46-5; Locke Christman had a personal best of 132-4 to win the discus; and Mike Marleau, Dale Rasmussen, David Paugh, Richard Doering and Roland Aumeuller cleaned up on seconds and thirds.

Chris Crabtree, a newcomer to the event, won the pole vault with a 9-0 effort.

Estacada won all of the individual running events, but Sandy came up with some important second place finishes and won the meet with its depth.

Sam Romey turned in a 4:37.2 time in the 1,500-meters; Ryan Coombs was second in the long jump at 18-10; Bob Nippert cleared 5-10 in the high jump for second place; Steve Metelak had a 53.9 in



Sandra Peterson anchors the short relay team.

the 400 meters and a 2:13.0 in the 800; Dan Langlois had a personal best of 37-2 in the triple jump for second; and Bob Grieve was second in the 3,000-meters with a 10:29.5 time.

Estacada's Mark Frickey won four events, the high jump, long jump, 200-meters and triple jump.

Sandy won the junior varsity meet by an 86-32 score.

One of the better marks turned in at the JV meet was by freshman Steve Pettingill, who hurled the discus 125-11 for first place.

Satellites aiding in local elk habitat studies

Earth orbiting satellites have become involved in many facets of people's lives, transmitting everything from phone calls to television pictures.

Now, farfetched though it may seem, even elk herds in northeastern Oregon may owe their lives to satellites.

These expensive hunks of metal circling 750 miles in space are providing wildlife managers from the Oregon Department of Fish and Wildlife with essential data on where critical elk habitat is located and how much habitat there is.

Combined with ground observations of animals and detailed studies of specific habitats, the satellite pictures are helping department biologists determine more accurately the needs of wildlife. This knowledge is important in the face of competing and, potentially harmful land uses.

The orbiters providing this service

from the sky are called Earth Resources Technology Satellites or, more simply, LANDSATS.

The first of three existing LANDSAT satellites was launched by the National Atmospheric and Space Administration (NASA) in 1972. Launches were also made in 1975 and 1978. The original satellite no longer operates.

The satellites photograph the entire earth in broad swaths during four daily orbits and transmit the information back to the ground. What these satellites "see" is light reflected from all the objects on the earth's surface.

All things reflect light differently and the satellites are designed to pick up the different light values given off by trees, grasses, water and other surface objects. The LANDSATS can even distinguish between different species of the same type of plant. A Douglas fir

and an oak tree may both just look green to the human eye, but the satellite picks up the difference.

However, since the satellite record only light values, the resulting image is not really a picture in the traditional sense. What the satellite gives the scientist is a computerized printout covered with up to 128 different letter or symbol characters representing different shades of reflected light, such as Douglas fir and oak trees.

With printout in hand, the biologist must then check an aerial photo of a particular area or go directly to the area itself to see if a satellite symbol means water or trees. Each symbol, called a "pixel", covers an area of 1.1 acres. So while the detail cannot reveal individual plants or trees, the acre by acre view of large areas can be put to many uses.

Wildlife biologists have been at work in the Blue Mountains of northeastern Oregon for more than five years observing elk, recording their habitat use, then using the satellite to expand the findings of the ground studies.

The study has allied biologists to make specific recommendations to foresters regarding what amount and type of forage and cover is needed by elk. In book form, the cooperative Oregon Fish and Wildlife U.S. Forest Service study serves as a reference manual for considering elk needs when planning timber sales.

Elk numbers have been declining in the Morrow County area of eastern Oregon in recent years. Biologists suspect elk numbers have dwindled because of habitat loss to logging. By studying older satellite pictures, a pattern of habitat change is being plotted and matched against past and present

elk populations.

The study should shed new light on the habitat loss theory and also pinpoint critical habitat that must be protected to prevent further elk declines.

Two more satellite studies are planned for this year. One will focus on the cover needs of pronghorn antelope in southeastern Oregon while a second will start the process of deer and elk habitat evaluation in western Oregon.

The Oregon Department of Fish and Wildlife and the Oregon Department of Forestry are recognized as pioneers in the use of satellite imagery for habitat and timber studies. Both agencies began experimental research almost as soon as LANDSAT 1 was in orbit.

Today, 15 separate federal, state and local agencies work through the Environmental Remote Sensing Applications Laboratory (ERSAL) at Oregon

State University. ERSAL collects and prepares satellite data for use by subscriber agencies who want to know more about what the land really looks like.

ERSAL officials expect a fourth LANDSAT satellite to be in orbit by late 1982. The new orbiter will provide information with more than twice the detail offered by the current models, thereby doubling the ability to identify habitats.

There is a saying that goes "Habitat is the key to wildlife survival." The more that is known about the land and how animals use it, the more likely it is that the land can be developed properly for the benefit of both man and animals.

By assisting in discovery of this vital information, satellites have become one of the keys to wildlife habitat and ultimately a potential lifesaver for many wildlife populations.