

Black Tornado Takes Third In State Prep Golf Tussle

Portland - A sparkling second day comeback, spurred by sophomore Doug Olson's four-under par 70, earned Medford high third place in the Oregon high school golf tournament which concluded at Glendoveer course here yesterday.

Medford's four-man crew combined for a 299 Tuesday, best team score of the day, to pull up from a Monday eighth spot ranking.

South Eugene, with Dave Hamaker capturing medalist honors, walked off with its second Oregon prep links

championship in four years. The axemen team of Hamaker, John Pinkstaff, Bob Hamaker, John Pinkstaff, Bob Rennie and John Larson fired an 18-hole card of 302 yesterday for a 36-hole total of 607. Sunset with 615 was second. Medford's crew of Olson, Tom Clark, Rich Knight and Mike Miller had a 616 score.

Seaside scored 622. Lake Oswego 627. Corvallis and Pendleton each 629. Cleveland 632. Grant and Marshfield 636. North Salem 644. Reynolds 665. Grants Pass

666. Prineville 682 and Parkrose 690.

Hamaker recorded a 71 yesterday to take medal with a two-day 144. Guy Gordon, Sunset, was second low individual with 145. Joining them on the all-state team were Medford's Olson and Seaside's Rich Schroeder with 146s.

South Eugene established itself the leader with a 305 on Monday when the Medford crew shot a 317.

Medford's two day scores were Olson 76-70-146; Knight 74-77-151; Miller 81-74-155; Clark 86-78-164.

Hillsboro 14-1 Victor In Playoff

United Press International
Hillsboro stormed from behind to defeat Lake Oswego 14-4 at Lake Oswego Tuesday in the opening game of the Oregon high school class A-1 quarterfinal baseball playoffs.

Hillsboro scored 11 runs in the fifth inning after falling behind 4-0.

In Friday quarterfinal games Madison is at Reynolds, South Eugene at Medford and Pendleton at North Salem.

In class B quarterfinal games Tuesday, Adrian edged Prairie City 2-1 and Jefferson nipped Knappa 4-3.

SPORTS BOWLING

CRATER LAKE LEAGUE
Hair Shapers (33-13) 1, Kyle Payne 271; D.K. Market (34-13) 3, Bill Smith 349.
Cogswell's Market (33-15) 0, Harold L. Bonn 479, Simmonds Const. Co. (23-23) 4, Jay Lubbers 334.
H. C. Cola (30-18) 4, Jerry Lutz 263; H.A.P. Co. (19-29) 0, Lee Garrett 318.
Domestic Laundry (29-18) 2, A. Bohannon 339; United Grocery (22-25) 2, Ed Rodgers 361.
Mt. Pitt Co. (28-21) 0, Don Landing 468; Squirt (19-30) 4, Kent Blew 330.
City Hall (22-28) 3, Jack Sparkling 331; Salsbury Stores (21-27) 1, Stan Palmer 300.
Grandview Market (16-32) 4, Ed Valmont 338; Baumann Sheet Metal (6-42) 0, Jim Baumer 449.
Kyle Payne 219, Ed Rodgers 214, Lee Garrett 212, Domestic Laundry 235.

Sulky Sport Threatened By Virus

United Press International
Two additional Midwest harness racing tracks have been hit by the fast-spreading equine virus epidemic that now is threatening the entire sulky sport.

Hazel Park raceway in Detroit decided Tuesday to suspend operations until Friday night because of a shortage of horses. At the Lebanon Ohio Raceway, 22 ill horses were scratched from Tuesday night's program, forcing cancellation of one race.

Three other tracks, Maywood Park in Chicago, Brandywine in Wilmington, Del., and Northfield Park near Akron, Ohio—closed for periods of time last week when they were unable to gather together a sufficient number of healthy horses.

The Saratoga, N.Y., Raceway was forced to postpone its opening until May 30 for the same reason.

Roosevelt Raceway at Westbury, N.Y., went ahead with plans to open its meeting tonight, although more than one-third of the 800 horses on the grounds were coughing.

The virus, which affects a horse's upper respiratory system and produces coughing, has laid low an estimated 1,000 animals since its outbreak last month.

It even affected horses entered in two Eastern horse shows last week end but, strangely, has not reached an epidemic stage at any thoroughbred tracks.

Measure To Curb Discrimination In Housing Aired

Sacramento—Gov. Edmund G. Brown's bill to prohibit discrimination in housing went before a Senate committee for its toughest test today.

For Brown, it was one of the key bills of the session. He said many times that he considered it a necessity to end what he called "the nightmare" of racial discrimination.

Introduced by Negro Assemblyman William Bryon Rufford (D-Oakland), the bill was watered down somewhat from its original version before being approved by the Assembly on a 47-24 vote.

Rufford was prepared, he said, to submit further amendments if necessary to get the bill clear of the Senate Government Efficiency committee—and later the Upper Chamber floor.

Against Public Policy
As the bill now is worded it would:
-Declare the practice of housing discrimination to be "against public policy" of the state and say that because of discrimination many persons now live in segregated sections in substandard, unhealthy, unsanitary and crowded conditions.
-Outlaw discrimination in any dwelling, privately or publicly owned, smaller than four units occupied in whole or in part by the owner as his residence.
-Allow the State Employment commission to investigate housing discrimination and enforce provisions of the law. It would require that investigations not be made public.

Whales Object of UO Study

By JAMES J. DOYLE
Portland, Ore.—(UPI)—Herman Melville's demonic Captain Ahab searched for his allegorical "truth" in the great white whale, Moby Dick.
It was his undoing.
But a group of medical researchers here believe he had the right idea, just the wrong whale.

Scientists at the University of Oregon medical school are going after the Grey whale and some truths they believe are scientifically very important.

The research team, headed by Dr. Richard Lyons, an assistant professor of anatomy, hopes to catch enough specimens to probe some heretofore mysterious aspects of life—both whale and human.

The project, called a "Multidisciplinary Approach to Whale Biology" has attracted about 15 scientists at the school and a number of students.

From an idea born in discussions more than a year ago, it has grown into a project encompassing many aspects of cetology—the study of whales—as well as investigation into human genetic growth.

Lyons said.
A major obstacle in the study of DNA has been one of availability. A small amount can be taken from a human organ. But a human kidney, for instance, weighs only about three and one half pounds. The kidney of a whale weighs nearly 1400 pounds and the yield of DNA per pound would be the same.

Several Sources
For at least a century and a half, the whale has been the source of scientific investigation as well as a source of oil and a lot of fiction.

Still, relatively little is known about it. Certainly, no other animal holds a greater key to life's mysterious processes, Lyons said.

This study will fill in many blank spaces. But some of the obstacles appear whale-sized.

Added to the trouble of catching and cutting at sea an animal of that size is the fact that factory ships are prohibited by international law from working in the northeast Pacific zone.

So our whalers will have to do with a smaller vessel. This means the whale must be kept afloat during the cutting-in process. The normal way is by inflating the whale with air, but this would damage the organs.

Lyons is improvising a large "floating hammock" made of nets which will be placed by SCUBA divers.

Some of the organs will have to be "fixed" immediately in chemicals to preserve them.

The cornea and blood sam-

ples, for instance, must be flown back to the medical school laboratories by helicopter. Other organs will be fixed in a small lab set up aboard ship.

While the whale is bobbing alongside the vessel, a 20-foot incision will be necessary to get at the adrenal glands. Crewmen wearing mountaineers' clamps will do the cutting.

One of the more interesting projects will be making a mold of the mammal's 300-pound heart. This organ is small in comparison with other vital organs and remains a scientific incongruity, considering its task.

The whale's vertical migration involves tremendous and sudden changes in pressure. The coronary arteries are to be injected with a hardening plastic substance, a mold made, and the heart placed in a strong alkali to destroy the meat. When the chemical action is completed, only the vascular structure will remain and the researchers will have a perfect "blueprint" of the heart.

With a human heart this requires a mold that can be held in the palm of the hand. But it's never been done with a whale heart. So, more improvisation is in store.

First, about 8,000 pounds of the chemical alkali are needed. The heart and the solution are to be reposed in a vat which, in itself, poses an engineering problem.

No such container exists. But the doctors hope the result will be a giant, safety-proof concrete and steel "test tube" in which the acidity of congestion can be controlled.

Other phases of the project include studies of whale hemoglobin, the oxygen-carrying compound of the red corpuscles. Researchers want to learn if the same type of genes makes both whale and human hemoglobin, and they hope they can discover how evolution created this compound.

Hereditary Unit
DNA is the hereditary unit located on chromosomes that carries the information to make hemoglobin. Lyons explains that if cancer occurs in humans, the DNA might have been traveling along a wrong pattern.

The cells, in obeying the nucleus, had the wrong message. They were following a "goofed up blueprint."

The important object here is the nature of such messages and whether or not they can be controlled or altered to a normal pattern.

This, in effect, could be the answer to a cause of cancer

Band Concert Set At SOC Thursday

Ashland - The Southern Oregon college band and the Ashland Elks Highland band will present a combined concert in the Southern Oregon college gymnasium at 8 p.m. Thursday, May 23.

The Highland band, better known as the Kiltie band, will present music for pipes and drums, and the SOC band will play several concert selections and marches.

There will be no admission charge although an offering will be taken for the benefit of the SOC Music Scholarship Fund. The public is invited to attend.

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