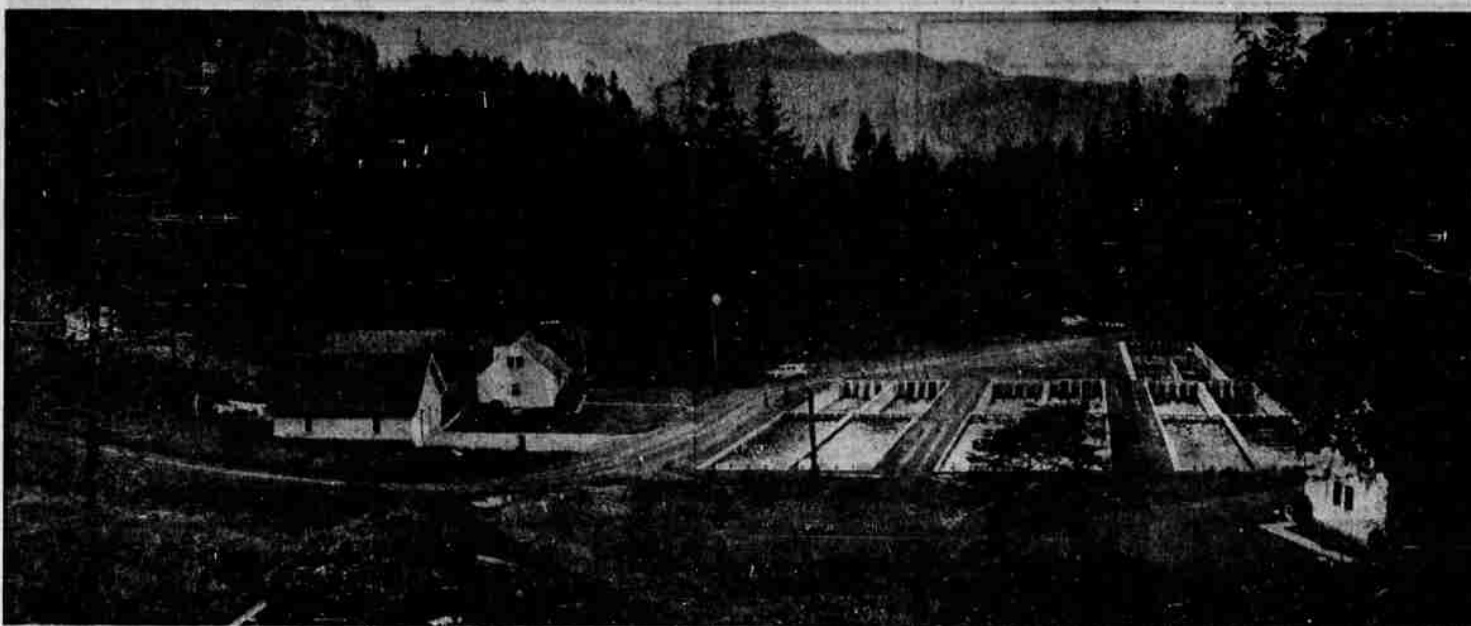


Salmon Restoration Center



ROCK CREEK HATCHERY is center of the salmon restoration program sponsored by the Oregon Game Commission. Hatchery-reared fish are marked, introduced into North Umpqua River. Returning fish are counted and success of experiment tabulated. Results so far: Encouraging. (All photos by Paul Jenkins)

Planted Salmon Migrations Return To Umpqua In 1954

(Second in a series on the annual report of the Umpqua River Studies, prepared by William E. Pitney and William O. Saltzman, field agents for the Oregon Game Commission.)

The Game Commission's 1954 studies of migrating salmon held varied results for field agents Pitney and Saltzman. They explain the salmon restoration program (taken verbatim from their report):

The year 1954 was of great interest concerning the salmon program on the Umpqua River. It was the maturity year for the first stocking of 18-month-old spring chinook and for the first holdover plant of fall chinook. All of the salmon released into the

river were fin-marked to permit future identification. A fish trap, installed above the fishway at Winchester Dam, was employed to determine the ratio of marked fish in the runs. In 15 weeks' operation, 270 spring salmon were examined. A total of 61 showed Umpqua River marks.

Biometrical treatment of the data indicated that 20.6 per cent of the migration were returning hatchery fish. As different age groups were represented and all broods were marked in the same manner, it was impossible to determine the success of survival of any one planting.

Rogue Fish Marked

The one exception is that only one lot was marked on the right maxillary bone and left ventral fin. It contained 34,700 fish obtained from 1949 brood Rogue River eggs and released into the North Umpqua in March 1951.

The ratio of marked fish in the anglers' catch in 1953 indicated some 900 four-year-old fish ran that year, and samples from the trap and anglers' creels showed another 750 fish probably came back in 1954.

Total of the two figures indicated 4.7 per cent of the lot survived to maturity, and they do not take into consideration the return of jacks in 1952 or the outside troll catch, which was reported to have accounted for a respectable number.

The indicated results for fall chinook and silver salmon were not as good as for the spring chinook. Migrations over Winchester Dam were very poor, but can be partially explained by unfavorable weather and water conditions.

Weather Affects Water
Dry, cool weather persisted throughout the fall months, resulting in low water volumes and temperatures. The fish remained in the deep holes of the main river and utilized the downstream areas when the spawning season arrived.

General observations pointed to good runs of both species of fall salmon, and good catches were made in the main Umpqua. It is apparent the 1954 counting station data do not reflect an accurate picture of the year's runs for fall salmon.

The release of holdover fish continued. In March, 25,400 fall chinook and 22,700 silver salmon of the 1952 brood year were liberated. In November, 3,700 of the extra large 1953 brood silvers and 62,000 year-old spring chinook were planted.

Both species of fall salmon were marked on both ventral fins, while the spring chinook had the right maxillary bone and right ventral fin clipped. Approximately 23,500 fall chinook and 20,000 silver salmon of the 1953 broods remain to be released.

Flood Stops Survey
Studies of the downstream migration pattern of hatchery-reared fish accomplished very little in the winter of 1953-54. Weekly runs were almost nonexistent.

The fingerlings, progressively worked their way downstream during the first three weeks of freedom, then a major flood swept the river.

No marked hatchery fish were recovered at any of the study locations in the next 10 weeks, so the project was abandoned. A repeat of the work is following the next season.

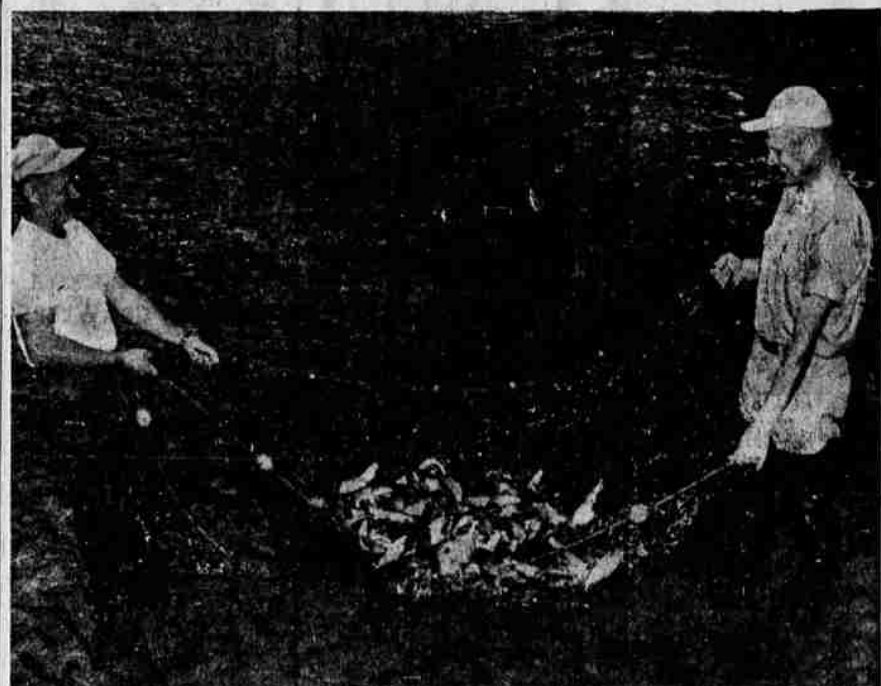
In September, 327,000 spring chinook eggs were taken from 83 female fish at the foot of Soda Springs Dam. The dam is the uppermost migration limit for salmon.

It was deemed advisable to spawn all of the fish, as suitable gravel beds are extremely limited in the area, and the spawn would be lost if not taken. It is planned to release most of the fish at small size and rear only the normal number as holdovers.

One Female Marked
Only one fish handled in the egg take was marked, a 38-pound female from the first planting of Umpqua stock.

In addition to the salmon restoration activities in the Umpqua watershed, approximately 3,000 silver salmon fingerlings were released into the east fork of the Millicoma River to re-establish the species following removal of three obsolete splash dams.

It is planned to continue the plantings until a full cycle has been completed. The fish were marked by removal of both ventral fins.



GAME COMMISSION PERSONNEL use assembly line methods in handling fish. Hatchery is located on Rock Creek, located above Glide on North Umpqua Road.



FISH GET DIET of ground horsemeat and sheep livers, consuming thousands of pounds during the time they're being raised for release.

Glendale Soldier Home On Furlough

By MRS. G. B. FOX
Pvt. John Harbour is spending a furlough with his family in Glendale and has departed to rejoin his division prior to being shipped overseas. His mother, Mrs. Catherine Harbour, of Glendale, drove to Ft. Bliss, Tex., last week and brought Harbour and his wife back with her.

Home Again
Mrs. Renus Michel, who underwent major surgery at the Josephine Hospital in Grants Pass Jan. 4, returned home Monday. She is reported to be making a good recovery.

Mr. and Mrs. Blaine Johnson spent a couple of days in Portland and Salem this week. The stop in Salem included a visit to the legislature.

Mrs. Ralph Malone of Portland visited her parents, Mr. and Mrs. Henry La Prade, last weekend. Jeanene and Judy Brady, daughters of Mrs. Ralph Brady of Astoria, are reported to be quite ill with chicken pox.

Mrs. Hattie Niehtor has been visiting her daughter, Mrs. Ruth Hyland, and family since Jan. 1. Mr. and Mrs. Lewis Brewington spent part of last week visiting Mrs. Brewington's mother, Mrs. Mae Nichols, in Centralia. En-

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Demos Claim Ike Gave Easy Way To Block Project

By JACK McDONALD
WASHINGTON—Four Democrats in Congress testily say they feel President Eisenhower has handed them "on a platter" an easy way to short circuit the controversial Dixon-Yates power contract.

The four, Sens. Gore (Tenn.) and Sparkman (Ala.) and Reps. Hollifield (Calif.) and Ewins (Tenn.), referred in separate interviews to Eisenhower's budget request for \$1 1/2 million dollars for Tennessee Valley Authority (TVA) transmission lines.

The TVA lines would connect in the middle of the Mississippi River, with those from the Dixon-Yates generating plant to be built at West Memphis, Ark.

The four Democrats contended their party has enough strength to knock that item out of the budget and said this would frustrate the contract makers either temporarily or permanently.

One of the four, declining identification on this particular statement, told a newsman:

"Eisenhower made a bad blunder in asking Congress to do something necessary to the implementation of that contract. Up to now he's acted solely on his executive authority and it's been pretty hard to come to grips with him."

"But now he is handing us opportunity on a platter. By asking for appropriation he's coming down to play in Congress' own backyard and we hope to knock out that TVA power line fast."

Under the contract still awaiting final approval, the Dixon-Yates group would sell power to the Atomic Energy Commission (AEC) to be fed into the TVA system as a replacement for energy the TVA now supplies to AEC plants.

Tenmile Pupils Hear 2 Speakers

By LOUISA COATS

James Porter of Yakutat, Alaska, who is visiting his brother-in-law and sister at their home in Tenmile, was guest speaker at the Tenmile Grade School on Monday. Porter spent more than 30 years in Alaska. He visited all rooms at the school, talking of life in Alaska, of the animals to be found there, of the fishing and of the Eskimos, their homes and way of living. He answered many questions asked by pupils. Porter brought with him a wolf pelt from a wolf killed in Alaska.

Porter formerly lived in Tenmile and in Coos County and hopes to return here at some later time to make his home.

On Tuesday, Sheriff Cal Baird was guest speaker at the Tenmile Grade School, speaking to the fifth and sixth grades on "safety," including safety rules for riding bicycles. He told them about his duties as sheriff and answered questions put to him by the pupils.

Mr. and Mrs. Warren Lockwood and family spent last weekend at Fall City, visiting Mrs. Lockwood's sister and brother-in-law, Mr. and Mrs. Gerald Shomaker. They heard Mrs. Shomaker's father, Mr. Adair of Tenino, Wash., home with them for a visit.

Quarles Advises Saving Scientific Manpower

NEW YORK—Asst. Defense Secretary Donald A. Quarles says the United States cannot afford to draft scientists and engineers for regular military service lest it fall behind Russia in scientific development.

Even now the Russians are training engineers and scientists at more than twice the rate of the United States, said the chief of research and development at the Pentagon.

He said the Soviets have made "very great strides" not only in the atomic and hydrogen energy fields but also in aeronautics and electronics.

In the face of these advances, Quarles told the first annual assembly of the Engineers Joint Council Friday night, the United States must conserve its scientific manpower and "cannot afford to put engineers and scientists into uniforms."

Senator Would Abolish Non-High School Districts

SALEM—Sen. W. Lowell Steen, Milton-Freewater, has introduced a bill to abolish the non-high school district system.

It provides that these districts, which don't have high schools but which provide tuition so pupils in the district can go to high schools in other districts, would be dissolved. Their functions would be assumed by elementary school districts.

Sunday the glimmering ice of Lake St. Clair was a lure. Carol pleaded with her parents, Mr. and Mrs. Fred Giacabazzi, for permission to go skating. They finally agreed.

The ice broke beneath Carol and her companion Sandy Sherr, also 15, about 800 feet offshore. Two small boys heard their cries and raced for help.

Another skater, Gerald Miller, 19, responded. He raced to the hole in the ice, lying prone, he pulled Sandy to safety. But he couldn't save Carol.

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TELLS OF SOVIET CAPTIVITY—Pvt. William Verdine, left, 28-year-old American soldier released Jan. 20 in Germany by his Russian captors, talks to Col. Everett G. King, commandant of the U.S. Military hospital in West Berlin where Verdine is undergoing a physical check-up. Pvt. Verdine of Starks, La., is under military arrest pending military investigation into his failure to return to his unit at Coburg, Germany, in Feb. 1949. Verdine said he believed the Russians are building an atom-splitting plant at Vorkuta, notorious Arctic slave labor camp where he was imprisoned for 30 months. (AP Wirephoto)

Russians Building Atomic Plant, Say Released GIs

BERLIN—An American soldier who spent six years in Soviet captivity, reports the Russians are believed to be building an atom-splitting plant at Vorkuta, the notorious Arctic slave labor camp just west of the Ural Mountains.

Pvt. William Verdine, 28, of Starks, La., said he heard this during his 30-month stay at the camp.

Verdine, released here by the Russians Thursday and placed in an Army hospital for a medical checkup, is under military arrest pending investigation into why he failed to return to his unit at Coburg in February 1949.

His statements were reported by a U. S. spokesman who said "he seems a little hazy about how many prisons he has been in." Verdine said he recollected being in six Soviet prisons in East Germany, two in Moscow, two repatriation camps and Vorkuta.

At Vorkuta he hauled lumber, mined coal and cut timber. Major construction projects at the camp, he said, involved building a railroad and a power plant to "split atoms."

Verdine ate a steak dinner Thursday night and described it as the "best meal I've had in six years." He said his meals at Vorkuta consisted of "lots of boiled cabbage, aerling, black bread, boiled oats and barley."

Verdine said he had not heard of any Americans who may be in Soviet prison camps.

Woman's Retaliation Causes \$1,600 Damages

YAKIMA—A Yakima woman says a masher made advances. So she did, too, with her automobile. And her "advances" in the car are going to cost \$1,600.

Here's the story, as related to police by 43-year-old Mrs. Mildred H. Bowen.

She said she'd just driven into the driveway of her home, when a car pulled up behind her car. A man got out, and started a conversation.

So Mrs. Bowen hastily put her car into gear and roared forward. Her car (1) went through her garage, tearing out the back wall.

(2) bounced off a utility pole in the alley. (3) Went through the back end of a neighbor's garage. (4) Struck a parked car in that garage, and (5) knocked the second car out into a wooden fence.

It's the police who made that \$1,600 damage estimate. And the masher? He drove away.

Crickets have their ears on their front legs.

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