

Lessons of the salmon



Third-grader Niyallee Cochran inspects the salmon eggs and alvins.

The fish incubators are a source of great excitement.

The first thing the students want to know in the morning is whether another salmon egg has hatched.

"They come in very excited," said Sarah Bennett, third-grade teacher at Warm Springs Elementary School. "And they want to know, 'Do we have another alvin?'"

The students will tell you that an alvin is a salmon that has hatched from its egg but is not yet able to swim.

Three classrooms at the elementary school have salmon incubators, each containing about 20 salmon eggs or newly hatched alvins.

The students will release the fish into Shitike Creek in December.

"And they're excited because they know the fish will return again in a few years," said Bennett.

The Natural Resources Branch and the Warm Springs National Fish Hatchery are sponsoring this science project.

"The students are able to observe the various develop-



Kevin Blueback, from the Warm Springs National Fish Hatchery, shows the salmon eggs to the students.

mental stages of the salmon from eyed to the fry stage," said fisheries biologist Lisa Hewlett-Dubisar, who set up the incubators with Kevin Blueback, from the Warm Springs National Fish Hatchery.

The incubators, she said, are actually a three-gallon fish tank with a cooling device that keeps the water at 51 degrees Fahrenheit.

The students monitor the water quality in the tanks. They

test the pH of the water, its oxygen content and the temperature.

"They're making sure the conditions are right for the developing salmon," said Hewlett-Dubisar.

This is the first year of the salmon incubation project at the elementary school. The plan is to continue the project in the coming years.

— by Dave McMechan

Funding for energy efficiency

Media center to have solar panels

The tribes have received a grant in the amount of \$129,300 for energy efficiency projects.

Part of the grant will be used for solar panels that will help power the media center.

The rest of the money will be used by the Utility Department to assess how tribal buildings can be made more energy efficient.

Of the total grant amount, \$55,000 will be used for the so-

lar panels, and the rest for the energy efficiency study.

The grant comes from the U.S. Department of Energy.

The solar panels at the media center will generate 6.5 kilowatts of energy, providing between 25 and 50 percent of the energy needs of the media center, said Bill Rhoades, media advisor, who worked on the grant application.

The solar panels will be a great addition to the media center; but the hope is that this will be a starting point for more en-

ergy efficiency projects on the reservation, said Louie Pitt, director of tribal government affairs.

The media center can be the example to show the benefits of solar power. And other departments might want to look into them as well, he said.

"Thank you to all the people who helped make this happen," said Pitt.

Bonnie Langeliers at Finance, and Don Courtney at Utilities helped with the energy efficiency grant.

American Indian Agriculture topic of conference

Oregon State University Extension Office Warm Springs, and the University of Nevada Cooperative Extension will host an agriculture seminar at Kah-Nee-Ta this month.

The seminar is *People of the Land: Sustaining American Indian Agriculture in Oregon, Nevada, Washington and Idaho*.

The seminar will be at Kah-Nee-Ta on Nov. 19, from 9 a.m. to 4:30 p.m. Call

Fara Brummer to register: 553-3148.

The seminar is a project of the Western Region Sustainable Agriculture Research and Education professional development program. Topics of discussion include:

Early American Indian culture of the range.

Federal Indian policy: A brief overview.

American Indian land tenure: General Allotment Act and In-

dian Land Tenure.

Agriculture irrigation and water rights on Indian reservations.

Tribal governance and the federal relationship: Evolution and structure of tribal governments.

Indian self-determination: Contracting and compacting processes.

Quality of life on reservations: Results of a four-state study. And related topics.

Cash prizes in Credit logo contest

The Warm Springs Tribal Credit Enterprise is inviting all community members to enter their ideas for the Tribal Credit Logo Contest.

Submissions will be accepted through November 30 at the Credit Office, located at 1236 Scouts Drive.

First place prize is \$500. Second place is \$300. Third place, \$200.

The theme for the logo contest is "Money."

Next deadline to submit items to the Spilyay is Friday, Nov. 13. Thank you!

Museum on winter schedule

The Museum At Warm Springs has started its winter schedule.

The museum will be closed to the public Sundays and Mondays until April 1,

2010. For further information please contact the Museum at 541-553-3331 or see the website at: www.museumatwarmsprings.org.

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